



GETZ HEALTHCARE DENTAL LIMITED

23/F, 8 Commercial Tower, 8 Sun Yip Street,
Chai Wan, Hong Kong SAR, People's Republic of China

香港柴灣新業街8號八號商業廣場23樓

Tel. : +852 2563 5193
Fax : +852 2565 9537
Email : info.dental.hk@getzhealthcare.com

NSK PROFESSIONAL PRODUCTS

PROFESSIONAL PRODUCTS

Create it 

NSK

AIR TURBINES

Ti-Max Z / S-Max M / S-Max pico
Ti-Max X450 / DynaLED / FX Plus / PanaAir FX

P.20-53

CONTRA-ANGLES

Ti-Max Z / Ti-Max Z45L / S-Max M
FX Series

P.54-71

CLINICAL MICROMOTORS

NLZ / NLX nano / Multi Pad
Ti-Max X205L / Student Kit

P.72-89

ORAL HYGIENE

Varios Combi Pro / Varios 970 / Varios 570
Varios 370 / Varios 170 / Ti-Max S970
Prophy-Mate neo / Perio-Mate

P.90-143

ENDODONTICS

ENDO-MATE TC2 / ENDO-MATE DT
ENDO-MATE AT / iPex II

P.144-155

MOBILE DENTISTRY

VIVA ace / VIVAMATE G5 / VIVAsupport 2

P.156-169

SURGICAL

Surgic Pro / Implant Handpieces
Micro Surgery Handpieces / Micro Saw Handpieces
Osseo 100 / iSD 900 / VarioSurg 3

P.170-213

MAINTENANCE

iCare / PANA SPRAY Plus

P.214-225

DENTAL LABORATORY

ULTIMATE XL Series / VOLVERE i7
PRESTO Series

P.226-239

SPARE PARTS / COMPONENTS

SPARE PARTS / COMPONENTS

P.240-269

Create it

Smiling, laughing & eating delicious food.

Dental care is directly linked to a happy life and is inexplicably linked to a healthy life expectancy.

NSK creates various values for all stakeholders, on a mission to contribute to the best dental care.

Innovative technology, high precision/quality and stress-free products. Allowing confidence and security, to build trust with customers, smiles of patients and a bright future.

NSK is always close to people and this corresponds to long term dental health.

Create_

innovation

precision

quality

professionalism

confidence

partnership

hospitality

sustainability

smile

tomorrow

Made In KANUMA

"RD1" is the R&D center, with state-of-the-art equipment and highly trained engineering teams.

"A1" Factory is the world's largest (in its class) cutting-edge factory in ultra-precision machining for dental handpieces.

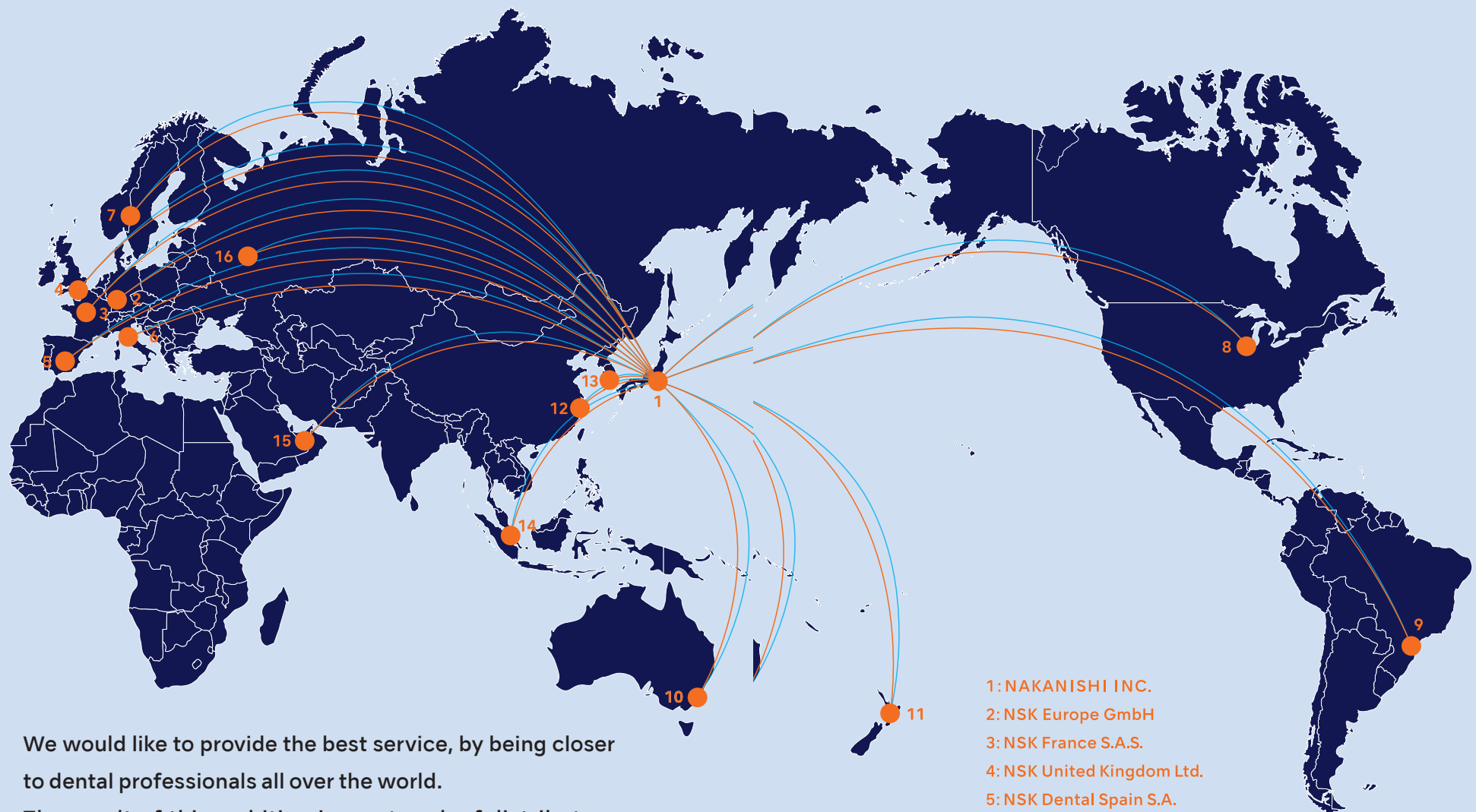
All NSK products are developed and produced in Japan and shipped worldwide.

This comes from our faith, that development and production should be integrated in order to make the best products.

NSK creates innovation in KANUMA, Japan.



Global Network



We would like to provide the best service, by being closer to dental professionals all over the world.

The result of this ambition is a network of distributors covering 16 overseas sales subsidiaries, as well as distributors covering 135 countries.

Your voice is important, the sales people of NSK will continue to support you day-to-day in order to be able to meet any requests and suggestions you have.

- 1: NAKANISHI INC.
- 2: NSK Europe GmbH
- 3: NSK France S.A.S.
- 4: NSK United Kingdom Ltd.
- 5: NSK Dental Spain S.A.
- 6: NSK Dental Italy S.r.l
- 7: NSK Dental Nordic AB
- 8: NSK America Corp.
- 9: NSK America Latina Ltda.

- 10: NSK Oceania Pty. Ltd.
- 11: NSK Oceania Ltd.
- 12: NSK Shanghai Co., Ltd.
- 13: NSK Dental Korea Co., Ltd.
- 14: NSK Nakanishi Asia Pte. Ltd.
- 15: NSK Middle East FZCO
- 16: NSK RUS LLC

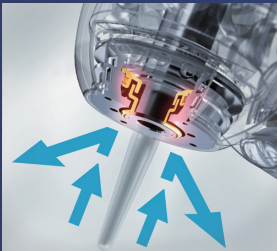
Pioneer of Infection Control

= **DualDefence™**

As a dental instrument manufacturer, NSK always puts the safety of users, support staff and patients first. With that in mind, NSK has been searching for solutions to prevent infection for over 30 years. This fact and track record proves that NSK is the industry's leading brand in infection control.

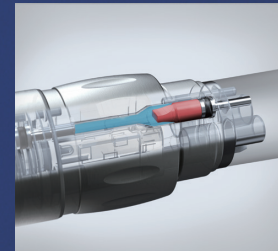


CLEAN HEAD SYSTEM



The Anti-Suckback system prevents blood and dirt from entering the air lines.

ANTI-RETRACTION VALVE



The Anti-Retriction Valve system prevents blood and debris from entering the water lines.

NSK 'Infection Control'
special webpage ▶



The Environment

NSK believes that it is an important mission to create products that contribute to the environment.

In order to protect the future global environment, we aim to reduce the environmental load and establish a "low-carbon, high recycling, and symbiotic society".

In the rich scenery of Kanuma-Japan, that changes its expression from season to season.

Recycling rate of cutting oil 97%

Renewable energy usage *1 100%

Waste resource recovery rate 99.3%

*1 Total power of headquarters facility.



NSK Advantages

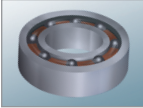
NSK Cellular Glass Optic

Cellular Glass Optic delivers brilliant illumination, is highly durable and will not deteriorate due to repeated sterilization.



NSK Ceramic Bearings

Ceramic Bearings are 25% harder than conventional steel bearings but are only half the weight. Because frictional wear between the ball bearings and the bearing retainer is significantly reduced the efficiency and durability is significantly increased.



NSK Clean Head System

The patented NSK Clean Head System is a special mechanism designed to automatically prevent the entry of oral fluids and other contaminants into the handpiece head prolonging the life of the bearings.



NSK Push Button Chuck

Push Button Chuck is NSK's original push button auto-chuck mechanism that tightens the bur grip during rotation. It allows one-touch bur insertion and removal without tools. The bur lock mechanism is designed so that bur retention strength increases when high loads are applied to the bur.



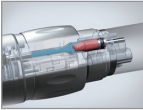
NSK Quattro Water Spray

The NSK Quattro Water Spray effectively cools the entire surface of the bur with a high cooling effect, leaving no areas uncovered.



NSK Non-Retraction Valve

A Non-Retraction Valve is integrated inside the coupling and inside air motors. It prevents retraction of contaminated fluids into the handpiece water lines. In combination with the Clean Head System, the Non-Retraction Valve provides an effective method to effectively reduce possible internal contamination.



NSK Ergonomic Comfort Grip

NSK is dedicated to designing handpieces that adapt comfortably to the human hand form, even during extended treatment periods. This is relevant to all hand sizes. Titanium is the optimum material to especially offer lightweight comfort, tactile sensitivity, and the ideal grip texture even for gloved hands.



NSK Scratchless DURAGRIP

Special surface processed body pursuing usability and operability is designed to improve comfortability of holding while equal scratch resistancy as DURACOAT is maintained.



NSK Scratchless DURACOAT

DURACOAT, NSK's latest surface enhancement technology, takes advantage of the non allergic and biocompatible properties of titanium to further improve durability. DURACOAT creates a smooth, scratch resistant surface which is comfortable to hold.



Autoclavable

All NSK handpieces offer superior durability and continued performance, even when frequently autoclaved. All handpieces may be autoclavable up to 135°C.



Thermo-disinfector Ready

Disinfecting handpieces prior to autoclaving is a recommendable practice for more effective infection control. The symbol mark on your NSK product means you can cleanse and disinfect the handpiece using a thermo-disinfector.



■ Please quote both the Model & Order Code.

Couplings

For NSK



LUX Coupling



- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	PTL-CL-LED	P1001600
●	PTL-CL-LED M	P1001606

- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	PTL-CL-LED III	P1001601

For KaVo®



LUX Coupling



- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	KCL-LED	P1005600

For Sirona®



LUX Coupling



- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	SCL-LED	P1009600

For NSK



Midwest 4 hole

- Non-RetractiveValve



Non-Optic	MODEL	ORDER CODE
—	QD-J M4	T334051

For NSK



Borden 2/3 hole

- Non-RetractiveValve



Non-Optic	MODEL	ORDER CODE
—	QD-J B2/B3	T332051

For NSK



Midwest 4 hole

- Stainless Steel Body
- Anti-Retraction Valve



Non-Optic	MODEL	ORDER CODE
—	FM-CL-M4	P434051

For NSK



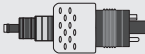
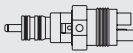
Borden 2/3 hole

- Stainless Steel Body
- Anti-Retraction Valve



Non-Optic	MODEL	ORDER CODE
—	FM-CL-B2/3	P432051

NSK Coupling System

	Ti-Max Z	S-Max M	S-Max pico	Ti-Max X450	PanaAir FX	Ti-Max S970	Prophy-Mate neo*	Perio-Mate*
NSK  PTL-CL-LED PTL-CL-LEDIII 	☐	☐	☐	☐	☐	☐	☐	☐
NSK Non-Optic FM-CL-M4 	☐	☐	☐	☐	☐	☐	☐	☐
KaVo ®  KCL-LED 	☐	☐	☐	☐	☐	☐	☐	☐
Sirona ®  SCL-LED 	☐	☐	—	☐	—	☐	☐	☐
W&H ® 	☐	☐	—	—	—	—	☐	☐
Bien-Air ® 	☐	☐	—	—	—	—	—	—
NSK Non-Optic QD-JM4 	—	—	☐	☐	☐	—	—	—
Midwest 4 hole (Direct-connect / Screw-on Type) 	—	—	☐	☐	☐	—	☐	☐
Borden 2 hole (Direct-connect / Screw-on Type) 	—	—	☐	—	☐	—	☐	☐

*Handpiece will operate without optic illumination

AIR TURBINES





Grade	PREMIUM	ADVANCED	SPECIAL	SPECIAL	SPECIAL	BASIC	BASIC
Body	Titanium	Stainless	Titanium	Stainless	Stainless	Stainless	Stainless
DURAGRIP	●						
DURACOAT			●				
Ceramic Bearings	●	●	●	●	●	●	●
Cellular Glass Optics	●	●	●	●	●		
Clean Head System	●	●	●	●	●	●	●
Push Button Chuck	●	●	●	●	●	●	●
Water Spray	Quattro	Quattro	Triple	Single	Quattro	Quattro	Single
Microfilter	●						
Ergo Grip	●	●	●	●	●	●	●

Ti-Max Z

Premium



POWERFUL

Evolving to Redefine Performance

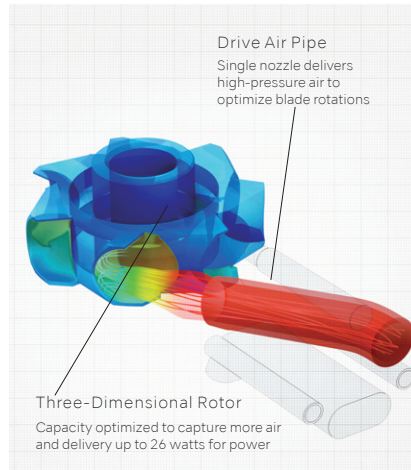
Z turbines deliver consistent power, and due to their ergonomic design they are easier to handle and give a more comfortable patient experience.

Z series turbines deliver everything and more than you would expect from a high performance air turbine.

All of this is the result of our ethos of consistently aiming to exceed expectations, uncompromising product design and ultra precision manufacturing technology to deliver ever improving levels of comfort for clinicians and patients.

With up to an incredible 26 watts* of output, our air turbines will revolutionize your dental practice.

*With the Z900L

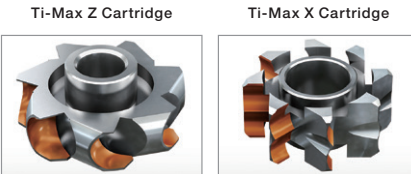


Miniature Parts for Maximum Power, Reflecting NSK's Pursuit of The Optimum Rotor Shape

New Three-Dimensional Rotor

We harnessed the latest computer analysis software to develop a rotor with higher output. We created a new three-dimensional curved shape after relentless simulations and pilot production. The blade is 50% larger than that of the Ti-Max X Air Turbine. With this new rotor, the air turbine delivers an amazing 26 watts* of power.

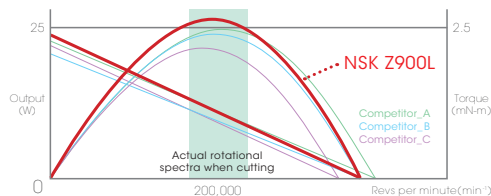
*With the Z900L



Blade surface 50% larger

High Output for Smoother Cutting

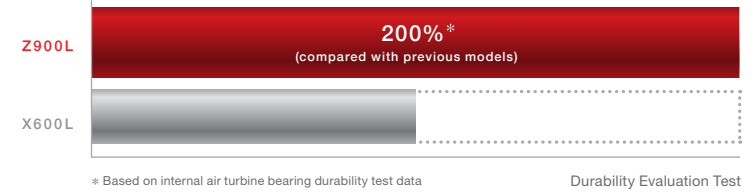
The 26 watts power output from the new rotor significantly enhances the performance during clinical applications. This can dramatically reduce treatment time and noticeably improve treatment comfort for the clinician and patient alike.



DURABLE

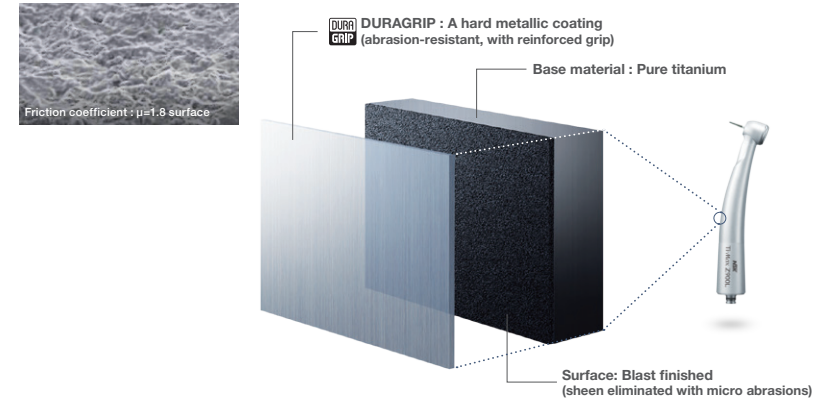
Advanced Technology a Key Factor in Significantly Increased Durability of Ti-Max Z

We completely redesigned the shape and found better materials for the bearing retainer to reduce frictional resistance and developed a new type of bearing to almost double the durability to accommodate constant thermoisinfector and autoclave usage.



DURAGRIP Non-Slip, Scratch-Resistant Surface Treatment Technology

We blast-finish the pure titanium body surface utilising micro-abrasion before applying the DURAGRIP surface finish. The micro-abrasion enhances resistance to scratches and contributes to the firm, reliable non-slip grip.



TECHNOLOGY & FUNCTION

Bearings

These bearings enable outstanding high-speed rotation and stability and are twice as durable as existing counterparts.

Three-Dimensional Rotor

We created a three-dimensional curved rotor to deliver an impressive 26 watts power output.

DURAGRIP

Our proprietary scratch- and abrasion-resistant surface treatment increases durability and ensures a reliable grip.

Microfilter

A 0.3 mm diameter microfilter keeps contaminants out of the water spray system, dramatically reducing blockages and enhancing treatment hygiene.

Clean Head System

The NSK Clean Head System automatically keeps oral fluids and other contaminants out of the instrument head, prolonging the life of the bearing and ensuring more hygienic treatment.

Compatible with Other Couplings

The line-up features models that are compatible with most coupling systems currently available in the market.

Ti-Max Z Premium



- Titanium Body
- DURAGRIP
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray



Miniature Head
Power : 23 W
: 21 W (except Z800L)
Speed : 360,000-440,000 min⁻¹
Head Size : ø10.8 x H 12.1 mm
Dual use for regular standard bur / short shank bur



Standard Head
Power : 26 W
: 24 W (except Z900L)
Speed : 320,000-400,000 min⁻¹
Head Size : ø12.5 x H 13.1 mm
Dual use for regular standard bur / short shank bur

NSK Couplings	Head	Optic	MODEL	ORDER CODE
	Miniature	●	Z800L	P1110
	Standard	●	Z900L	P1111
KaVo® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	Z800KL	P1112
	Standard	●	Z900KL	P1113
Sirona® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	Z800SL	P1114
	Standard	●	Z900SL	P1115
W&H® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	Z800WL*	P1120
	Standard	●	Z900WL*	P1121
Bien-Air® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	Z800BL*	P1116
	Standard	●	Z900BL*	P1117

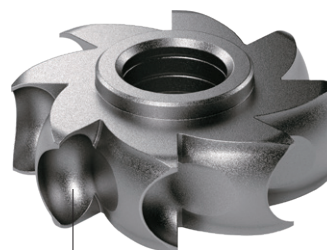
*Compatible Turbines with Integral LED

S-Max M

Advanced



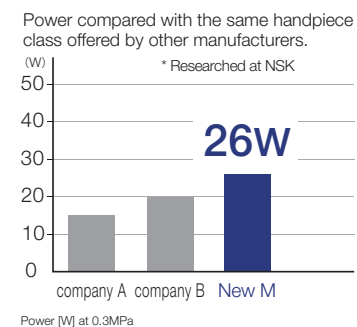
MORE POWERFUL



The new rotor design is optimized using a rotating air flow simulation, resulting in 26W of power through the efficient use of air supply energy.

26W power

The internal structure is completely redesigned to achieve superior noise and vibration reduction, including the new 26W high power rotor.



DURABILITY

All stainless body

The handpiece body is stainless steel, making it corrosion resistant and sturdy. Its satin-like finish fits comfortably in your hand.

Ceramic bearings

The ceramic bearings are 25% harder than steel and around half the weight, meaning very little wear, which helps the cartridge to last longer.

Clean Head System

The Clean Head System has an anti-suck back mechanism that stops blood and foreign matter from entering the head from the oral cavity. As a result, the ball bearings and mechanical parts last longer.

USABILITY

Simple cartridge change

The handpiece is designed with barrel type cartridge. The cartridge is easy to replace. Changing the cartridge also eliminates water blockage.

Quattro spray

Sprays more effectively over the entire bur for better cooling.

Push Button Chuck

The bur is released easily with the responsive and tactile push button.

S-Max M Advanced



- Stainless Steel Body
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray
- Simple Cartridge Change



Miniature Head
Power : 23 W
Speed : 380,000-450,000 min⁻¹
Head Size : ø10.6 x H 12.4 mm



Standard Head
Power : 26 W
Speed : 325,000-430,000 min⁻¹
Head Size : ø12.1 x H 13.3 mm

NSK Couplings	Head	Optic	MODEL	ORDER CODE
	Miniature	●	M800L	P1253
		—	M800	P1255
	Standard	●	M900L	P1254
		—	M900	P1256
KaVo® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	M800KL	P1257
	Standard	●	M900KL	P1258
Sirona® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	M800SL	P1261
	Standard	●	M900SL	P1262
W&H® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	M800WL*	P1265
	Standard	●	M900WL*	P1266
Bien-Air® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	M800BL*	P1263
	Standard	●	M900BL*	P1264

*Compatible Turbines with Integral LED



Washable in the
thermodisinfecteur



Autoclavable
up to 135°C



Washable in the
thermodisinfecteur



Autoclavable
up to 135°C

S-Max pico

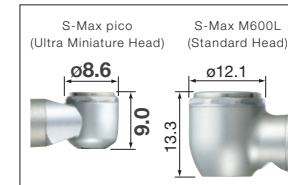
Special



The Innovative Air Turbine with Ultra Mini Head and Super Slim Body Shape

The NSK S-Max pico series has been developed for the operation of Minimal Intervention (M.I.). The ultra mini head and super slim handpiece design is the result of fine NSK precision engineering allowing a wider view of the operational field, and greater flexibility for dexterity.

Comparison of head sizes



Improve The Accuracy of Operation with The Microscope



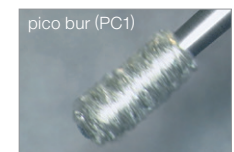
The ultra mini head delivers expanded operational visibility and greater flexibility. Patient comfort is increased.

In combination with mirror technique



Size Specifications of The S-Max Pico Series Dedicated Burs for S-Max pico Series

NSK has developed special ultra short shank burs to operate specifically with the pico handpiece. These high quality precision burs are concentric and durable. Use of NSK ultra short shank burs maximises the mini advantage of the pico handpiece.



Original bur of high precision
(Rotational speed: 400,000 min⁻¹)

S-Max pico Special



- Stainless Steel Body
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Single Spray

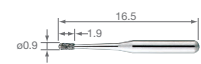


Power : 9 W
Speed : 380,000-450,000 min⁻¹
Head Size : ø8.6 x H 9.0 mm
• For short shank burs / ultra short shank burs

NSK Couplings	Optic	MODEL	ORDER CODE
	●	S-Max pico	P1140
KaVo® Coupling	Optic	MODEL	ORDER CODE
	●	S-Max pico KL	P1142
QD Couplings	Optic	MODEL	ORDER CODE
	—	S-Max pico QD	P1173
Midwest 4 hole (Direct-connect / Screw-on Type)	Optic	MODEL	ORDER CODE
	—	S-Max pico M4	P1217
Borden 2 hole (Direct-connect / Screw-on Type)	Optic	MODEL	ORDER CODE
	—	S-Max pico B2	P1218

*Compatible Turbines with Integral LED

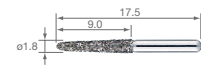
pico bur



MODEL	ORDER CODE
PC1 • Pack of 3	Y1001817



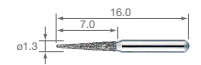
MODEL	ORDER CODE
PC2 • Pack of 3	Y1001818



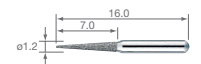
MODEL	ORDER CODE
PC3 • Pack of 3	Y1001819



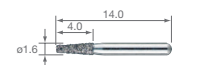
MODEL	ORDER CODE
PC3ff • Extra fine bur • Pack of 3	Y1002019



MODEL	ORDER CODE
PC4 • Pack of 3	Y1001820



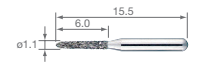
MODEL	ORDER CODE
PC4ff • Extra fine bur • Pack of 3	Y1002020



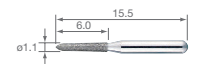
MODEL	ORDER CODE
PC5 • Pack of 3	Y1001821



MODEL	ORDER CODE
PC5ff • Extra fine bur • Pack of 3	Y1002021



MODEL	ORDER CODE
PC6 • Pack of 3	Y1001822



MODEL	ORDER CODE
PC6ff • Extra fine bur • Pack of 3	Y1002022



MODEL	ORDER CODE
pico bur set • P1-6/1 pcs.each	Y1001816



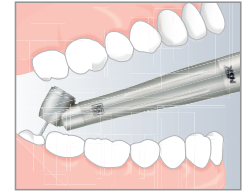


Ti-Max X450

Special

Unique 45-degree Angled Head Provides Incredible Accessibility

The slim-form Ti-Max X450 series possesses a unique 45-degree angled head specially designed to access hard-to-reach areas for sectioning and extraction of third molars and other impacted teeth. The X450's robust 21 watts of cutting power and effective cooling system - featuring triple water jets - ensure safe and effective treatment during a variety of surgical procedures.

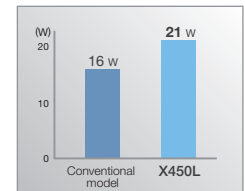


Superior Accessibility

The 45-degree angled head offers excellent accessibility and visibility during root separation procedures and the removal of hard tissue covering impacted third molars.

A Potent 21 W of Cutting Power

NSK's original twin-nozzle head fully transmits the power of the air turbine to the X450's rotor, generating the high torque needed for powerful, consistent cutting.



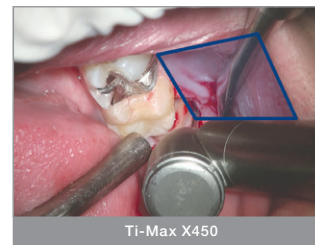
Triple Water Jets & Cellular Glass Optics

NSK's Triple Water Jet system efficiently bathes the bur at all operating speeds, providing maximum cooling.



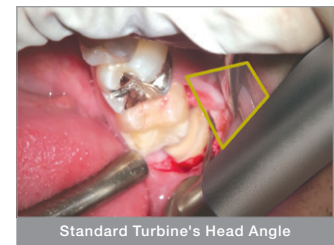
The Ti-Max X450 Permits Optimal Access to Molars and a Diverse Range of Operative Procedures.

Mandibular Right Third Molar Extraction



Ti-Max X450

The labial and cheek mucous membranes do not interfere with treatment, and the bur can be maintained at a safe and optimal angle due to no contact on the turbine body. The X450's slim form factor also provides maximum visibility.



Standard Turbine's Head Angle

Extending the labial or cheek mucous membranes is hard, which makes feel delicate tactile sense while cutting difficult. Maintaining the bur at an optimal angle and direction is also problematic.

Ti-Max X450 Special



- Titanium Body with Scratch Resistant DURACOAT
- 45° Angle Head
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Triple Water Jet



Power : 21 W
 : 18 W (except X450L)
Speed : 380,000-450,000 min⁻¹
Head Size : ø11.2 x H 13.5 mm
• For FG extra-long burs (25 mm) only

NSK Couplings	Optic	MODEL	ORDER CODE
	●	X450L	P1078
	—	X450	P1088
KaVo® Coupling	Optic	MODEL	ORDER CODE
	●	X450KL	P1079
Sirona® Coupling	Optic	MODEL	ORDER CODE
	●	X450SL	P1080
QD Couplings	Optic	MODEL	ORDER CODE
	—	X450QD	P1086
Midwest 4 hole (Direct-connect / Screw-on Type)	Optic	MODEL	ORDER CODE
	—	X450M4	P1092

*Compatible Turbines with Integral LED

DynaLED

Special



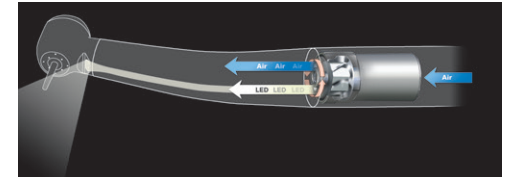
DynaLED Product Highlights

NSK long life micro power generator – high efficiency and long term durability

NSK has applied the very latest technologies and materials to achieve long term efficiency and reliability.

Micro power generator is electronically calculated to produce the correct power source for highly effective LED illumination.

The performance of the handpiece is not influenced by the micro power generator.

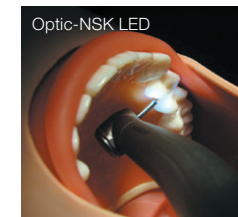


DynaLED – a perfectly balanced turbine handpiece

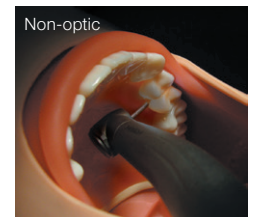
Even with the integrated power generator, NSK DynaLED is a perfectly balanced, high performance turbine handpiece. Clinicians will notice no weight nor balance difference when compared to a conventional turbine handpiece.

LED durability

The LED light source is significantly more durable than quartz, replicating daylight illumination quality.



Optic-NSK LED



Non-optic

DynaLED Special



- Stainless Steel Body
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray



Miniature Head
Power : 15 W (M4, B2) / 13 W (QD)
Speed : 380,000-450,000 min⁻¹
Head Size : ø10.6 x H 12.4 mm, 25,000 LUX
*Both standard and short shank burs are applicable.



Standard Head
Power : 16 W (M4, B2) / 14 W (QD)
Speed : 330,000-430,000 min⁻¹
HeadSize : ø12.1 x H 13.3 mm, 25,000 LUX



Midwest 4 hole
(Direct-connect / Screw-on Type)



Borden 2 hole
(Direct-connect / Screw-on Type)



QD Couplings

Head	MODEL	ORDER CODE
Miniature	M500LG M4	P1105
Standard	M600LG M4	P1104

Head	MODEL	ORDER CODE
Miniature	M500LG B2	P1107
Standard	M600LG B2	P1106

Head	MODEL	ORDER CODE
Miniature	M500LG QD	P1109
Standard	M600LG QD	P1108

FX Plus Basic



- Stainless Steel Body
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray
- Simple Cartridge Change



Miniature Head
Speed : 380,000-450,000 min⁻¹
Head Size : ø10.6 x H 12.4 mm
*Both standard and short shank burs are applicable



Standard Head
Speed : 325,000-410,000 min⁻¹
Head Size : ø12.1 x H 13.3 mm

Midwest 4 hole
(Direct-connect / Screw-on Type)



Borden 2 hole
(Direct-connect / Screw-on Type)



QD Couplings

Head	MODEL	ORDER CODE
Miniature	FXP-MU M4	PA2300
Standard	FXP-SU M4	PA2301

Head	MODEL	ORDER CODE
Miniature	FXP-MU B2	PA2302
Standard	FXP-SU B2	PA2303

Head	MODEL	ORDER CODE
Miniature	FXP-MU QD	PA2304
Standard	FXP-SU QD	PA2305

PanaAir FX

Basic



Unsurpassed Durability

Built to Excel in Clinical Situations.

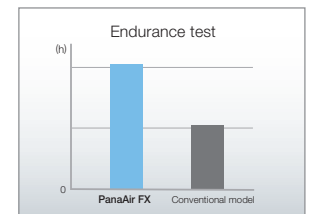
Featuring a Scratch-resistant
Stainless Steel Body and Sturdier Turbine Head.

Thanks to its uniquely designed shock-resistant head design,
PanaAir FX's turbine rotor won't get damaged even if dropped
from two meters onto a concrete floor.



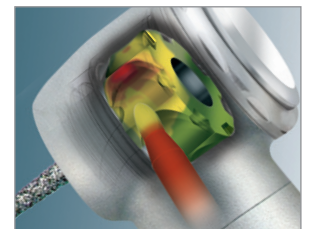
Exceptional Longevity.

Newly designed bearing structure with greater wear resistant
and extended lifespan.



30% Power Boost

PanaAir FX is dramatically more powerful than its
predecessors thanks to the combination of NSK's air turbine
simulation technologies. Rated at a maximum of 20 watts,
this new model boasts the highest power rating in its class.
That concentrated power, along with the bur's high rotational
accuracy, creates a synergistic effect that ensures fast,
precise treatments.



PanaAir FX Basic



- Stainless Steel Body
- Ceramic Bearings
- Clean Head System (Push Button Type)
- Push Button Chuck (except Wrench Type)
- Single Spray
- Air Pressure Regulating Valve (except QD Type)



Speed : 350,000-450,000 min⁻¹
Head Size : ø11.2 x H 13.4 mm

Push Button Type

Midwest 4 hole
(Direct-connect / Screw-on Type)



MODEL	ORDER CODE
PAF-SU M4	P1225

Borden 2 hole
(Direct-connect / Screw-on Type)



MODEL	ORDER CODE
PAF-SU B2	P1226

QD Couplings

MODEL	ORDER CODE
PAF-SU QD	P1227

Wrench Type

Midwest 4 hole
(Direct-connect / Screw-on Type)



MODEL	ORDER CODE
PAF-S M4	T1069

Borden 2 hole
(Direct-connect / Screw-on Type)



MODEL	ORDER CODE
PAF-S B2	T1070



CONTRA-ANGLES



Grade	PREMIUM	SPECIAL	ADVANCED	BASIC
Body	Titanium	Titanium	Stainless	Stainless
DURAGRIP	●	●		
DURACOAT				
Anti Heat System	●	●		
Ceramic Bearings	●	●	●	
Cellular Glass Optics	●	●	●	
Clean Head System	●	●	●	●
Push Button Chuck	●	●	●	● except FX22
Water Spray	Quattro	Quattro	Quattro	
Two-Way Spray Function	●	●		
Microfilter	●	●		
Ergo Grip	●	●	●	●

Ti-Max Z

Premium





ADVANCED TECHNOLOGY

Amazingly Silent Operation

Amazing silence and minimal vibration: The marriage of micro-precision parts and gears has lowered noise and vibration even more to provide comfort for clinicians and patients alike.



Anti Heat System (Z95L, Z85L, Z84L)

Our proprietary Anti Heat System dramatically reduces the heat typically experienced with speed increasing contra-angles. This feature improves patient safety without compromising manoeuvrability.

DURABLE

A Stunningly Durable and Reliable Handpiece

NSK has combined advanced design and world-class processing technology to create incredibly durable instruments. The gear is coated with special diamond-like carbon to make wear resistance up to five times greater than on previous models. NSK's advanced technologies have boosted sterilization resistance, delivering even better reliability for dental practices.

COMFORT

The Ultimate in Handpieces The Result of Invaluable Clinical Feedback

The handpiece is more user-friendly, cleaner, and safer. By reviewing everything from the shape of the instrument, to hygiene aspects and safety features using the most advanced technologies, we have made the contra-angle more ergonomic and comfortable for the clinician and safer for the patient, reducing stress for clinicians and patients alike. Only NSK's Ti-Max Z premium range offers these unique features.

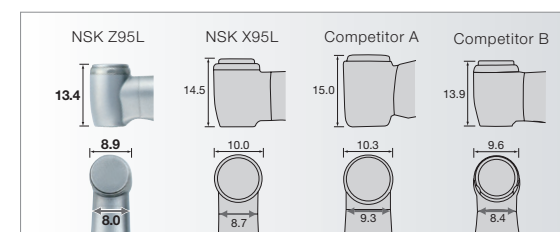
OUTSTANDING OPERABILITY

The Smallest Head

The head is angled 2° more than on the X95L for much better visibility and accessibility even for molars and other areas that are difficult to treat.

The Slimmest Neck

The slimmer neck provides much better visibility compared to existing products, delivering wide visibility of all treatment areas.



TECHNOLOGY & FUNCTION

Anti Heat System

Our proprietary Anti Heat System dramatically reduces heat generation to prevent burning.
(With Z95L/Z85L/Z84L)

DURAGRIP

Our proprietary scratch- and abrasion-proof surface treatment increases durability and ensures a secure grip.

Microfilter

A 0.3 mm diameter microfilter keeps contaminants out of the water spray system, dramatically reducing blockages and enhancing treatment hygiene.

Clean Head System

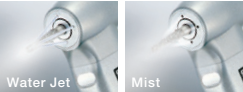
The patented NSK Clean Head System automatically keeps oral fluids and other contaminants out of the instrument head, prolonging the life of the bearing and ensuring more hygienic treatment.

Amazing Silence and Minimal Vibration

The marriage of micro-precision parts and gears has lowered noise and vibration even more.

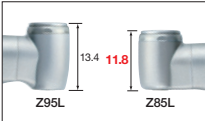
Ti-Max Z Premium

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Push Button Chuck
- Clean Head System (Exclude Z24L)
- Microfilter



- Quattro Spray (with two way spray function)
- Max Speed: 200,000 min⁻¹
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System

	Optic	MODEL	ORDER CODE
1:5 Increasing	●	Z95L	C1034

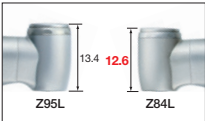


Head size comparison
Z85L offering extraordinary
visibility and accessibility.



- Single Spray
 - Miniature Head
 - Max Speed: 200,000 min⁻¹
 - For FG burs (ø1.6)
 - Ceramic Bearings
 - Anti Heat System
- *Short Shank burs only

	Optic	MODEL	ORDER CODE
1:5 Increasing	●	Z85L	C1062

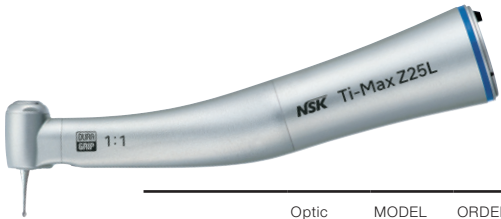


Head size comparison
Z84L offering extraordinary
visibility and accessibility.



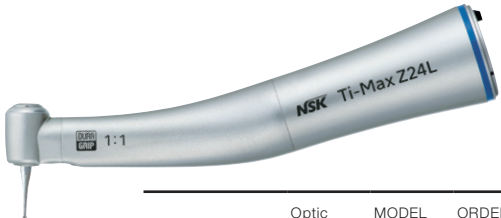
- Quattro Spray (with two way spray function)
 - Miniature Head
 - Max Speed: 180,000 min⁻¹
 - For FG burs (ø1.6)
 - Ceramic Bearings
 - Anti Heat System
- *Short Shank burs only

	Optic	MODEL	ORDER CODE
1:4.5 Increasing	●	Z84L	C1135



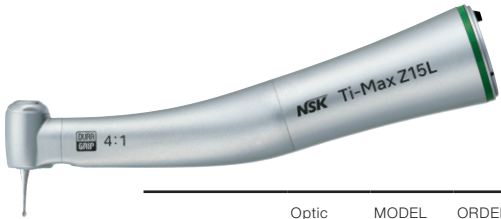
- Single Spray (with two way spray function)
- Max Speed: 40,000 min⁻¹
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	Z25L	C1038



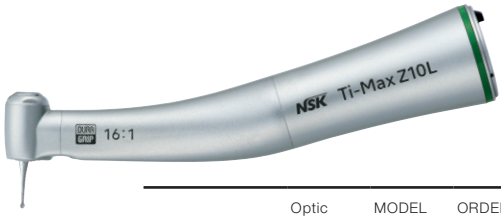
- Single Spray
- Miniature Head
- Max Speed: 40,000 min⁻¹
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	Z24L	C1126



- Single Spray (with two way spray function)
- Max Speed: 10,000 min⁻¹
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
4:1 Reduction	●	Z15L	C1039



- Single Spray
- Max Speed: 2,500 min⁻¹
- For CA burs (ø2.35)

	Optic	MODEL	ORDER CODE
16:1 Reduction	●	Z10L	C1040

Ti-Max Z45L

Special



45-degree Angled Head Supplies Superior Accessibility and Maximum Visibility

The world's first 45-degree contra-angle, Ti-Max Z45L provides effortless access to hard-to-reach molars that a standard contra-angle simply can't match. The slim-form Ti-Max Z45L also offers excellent visibility and high operability, creating more space between adjacent teeth and the handpiece body. Ti-Max Z45L's powerful and consistent cutting shortens treatment time for time-consuming sectioning and third-molar extractions compared to standard contra-angles, dramatically reducing stress for both clinicians and patients.



Superior Accessibility

The 45-degree angled head allows easy access to the molar region, minimizing interference from the front teeth and adjacent teeth.



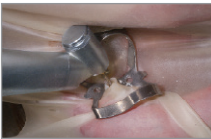
Sectioning a Mandibular Left Impacted Third Molar



Caries Removal from a Maxillary Left Lateral Incisor's Cervical Area



Caries Removal from a Maxillary Left Second Premolar on Palatal Side



Clarifying the Root Canal Orifice of a Mandibular Right Second Premolar



Water Jet



Mist

Two-Way Spray Function

The world's first two-way spray function allows you to instantly choose between a mist or jet spray depending on the conditions and procedure. The water jet spray prevents subcutaneous emphysema in surgical procedures, and the mist spray effectively cools the bur while cutting.



- Titanium Body with Scratch Resistant DURAGRIP
- 45° Angle Head
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray (with two way spray function)
- Microfilter
- Anti Heat System
- For FG burs (ø1.6)
- Max Speed: 168,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:4.2 Increasing	●	Z45L	C1064

S-Max M

Advanced



TOUGHNESS

The S-Max M series contra-angles have dramatically improved durability, and feature an updated internal body design and chuck mechanism. They are NSK's next-generation standard - a marriage of ergonomic sophistication and smooth cutting feel. Experience them for yourself.

- Stainless Steel Body
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck (Exclude M65)



- Quattro Spray
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- Max Speed: 200,000 min⁻¹



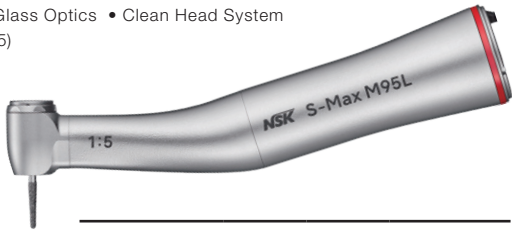
- Single Spray
- For CA burs (ø2.35)
- Max Speed: 40,000 min⁻¹

- Single Spray
- For CA burs (ø2.35)
- Max Speed: 10,000 min⁻¹

Straight Handpiece

- Single Spray
- For HP burs (ø2.35)
- For CA burs (ø2.35)*
- Max Speed: 40,000 min⁻¹

*Need to insert the supplied bur stopper



	Optic	MODEL	ORDER CODE
1:5 Increasing	●	M95L	C1023
	—	M95	C1026



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	M25L	C1024
	—	M25	C1027



	Optic	MODEL	ORDER CODE
4:1 Reduction	●	M15L	C1025
	—	M15	C1028



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	—	M65	H1008



FX series

Basic



Integrated Handpieces : Ergonomic : Functional : Reliable

After 35 years of outstanding global success, the classic NSK EX handpiece series has now evolved into a new stage. – NSK FX handpiece series – a modernization of the EX series. The traditional NSK simple design technology, functional reliability, durability, and cost effective pricing still remains, but FX has been updated to an integrated design in response to modern demands.

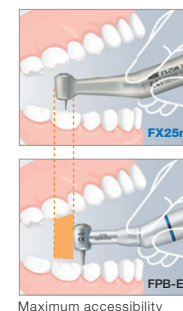
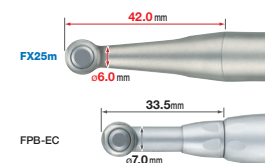
Durable Stainless Steel Body

Stainless is lighter and more durable than brass. Handpiece weight is considerably reduced and ergonomic hand comfort is greatly enhanced with a realistic tactile sense.

Improved Visibility : Ideal Balance

The extra slim head and body design greatly improves direct and indirect visibility to the oral operational field. This includes increased visibility of even difficult access areas in the oral cavity.

The slim, lighter weight design delivers an entirely comfortable ergonomic balance, especially when used in conjunction with the new NSK FX Mini Air motor.



Easy Cartridge Replacement

In some instances cartridges are easily replaced in surgery with the accessory tools supplied with the new product. Service costs and downtime are reduced (FX25m).



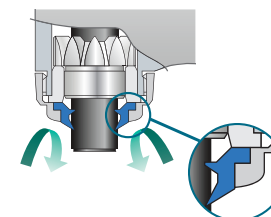
Clean Head System

The patented NSK Clean Head System is a special mechanism designed to automatically prevent the entry of oral fluids and other contaminants into the handpiece head prolonging the life of the bearings. (FX25m / FX15m / FX65m)



FX57m Paste Defense System

The prophylaxis handpiece head incorporates the unique NSK Paste Defense System which prevents dust and polishing paste debris from entering the handpiece. In addition, the NSK DLC coating on the rotor prevents possible breakage caused by surface abrasions from the polishing paste. These are some features that illustrate extended FX handpiece durability.



FX series Basic

General Applications Handpiece

- For CA burs (ø2.35)
- Push Button Chuck
- Clean Head System
- Ball Bearing
- Max Speed : 40,000 min⁻¹



	MODEL	ORDER CODE
1:1 Direct Drive	FX25	C1052002



	MODEL	ORDER CODE
1:1 Direct Drive	FX23	C1056002

- For CA burs (ø2.35)
- Push Button Chuck
- Max Speed : 30,000 min⁻¹



	MODEL	ORDER CODE
1:1 Direct Drive	FX22	C1129

- For CA burs (ø2.35)
- Latch type
- Max Speed: 30,000 min⁻¹



	MODEL	ORDER CODE
4:1 Reduction	FX15	C1053002

- For CA burs (ø2.35)
- Push Button Chuck
- Clean Head System
- Ball Bearing
- Max Speed : 10,000 min⁻¹



Autoclavable
up to 135°C

Endodontic Handpiece

- Miniature Head
- For engine files
- 360° Rotation
- Push Button Chuck
- Max Speed : 1,250 min⁻¹



	MODEL	ORDER CODE
16:1 Reduction	FX75	C1055002

Prophylaxis Handpiece



- For screw-in cups and brushes
- 360° Rotation
- w/o Spray
- Paste Defense System
- Max Speed : 5,000 min⁻¹



	MODEL	ORDER CODE
4:1 Reduction	FX57	C1054002

Straight Handpiece

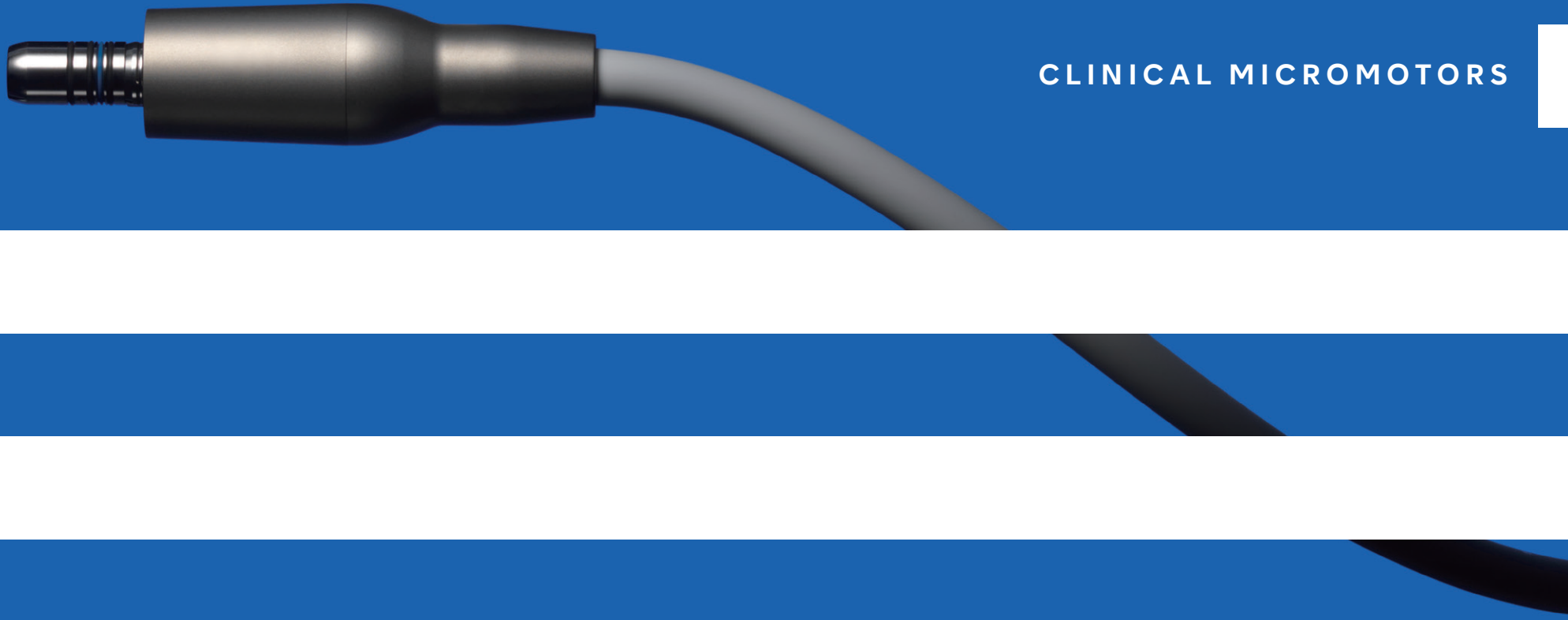
- For HP burs (ø2.35)
- Clean Head System
- Max Speed : 40,000 min⁻¹



	MODEL	ORDER CODE
1:1 Direct Drive	FX65	H1014002



Autoclavable
up to 135°C



CLINICAL MICROMOTORS

NLZ



The Compact Makes a Big Change

Now in a more compact size, with higher safety and flexibility for different installation styles, NSK's all new "NLZ" can help any user of air driven handpieces convert to electric and enjoy the full benefits of this smart system. The unique technology of "NLZ" employs an all-new micromotor system and expands the possibilities of dental treatment. This original concept from the leading handpiece manufacturer provides cutting-edge features applicable to a wide-range of endodontic treatments with enhanced comfort and safety. A big change in treatment environment is brought with only a minor addition to the current equipment in your office.

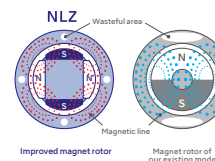
Flexible Installation Style Superior Visibility & Operability



Superior* Performance of Motor with Compact Size

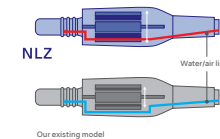
Powerful

The conventional magnet rotor has been replaced with an improved magnet rotor. More powerful rotation is achieved in the same amount of space by reducing weak magnetic areas.



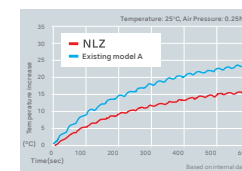
Efficient

In this unique technology, the water and air lines that used to bypass the motor have now been integrated with the motor. This new, more efficient configuration makes maximum use of the limited space and is lighter and more powerful than before.



Less heat

NLZ employs a simple non-layered coil instead of a standard layered coil. The coils are as compact as possible, shortening the pathway for heat generating current. As a result it generates less heat without reducing the output power.



*Compared to our existing model.

NLZ/NLZ E

Electric Micromotor

- Internal Water Spray



NLZ

Optic	MODEL	ORDER CODE
●	NLZ S230	Y1500360

Contents

- NLZ U (Control Unit & Main Unit) • NE180 (AC adaptor)
- NLZ (Motor) • NLZ CD (Motor Cord 1.8 m)
- NLZ U BRACKET

Specifications

- [Unit]
- Dimension Control Unit : W 76 × D 87.1 × H 63.4 mm
 - Dimension Main Unit : W 146 × D 75 × H 48 mm
 - Power Supply : 230 V 50/60 Hz
 - Programs : General Application Mode / 6 programs
Rotary Endo Mode / 6 programs

NLZ E with Endodontic Function

Optic	MODEL	ORDER CODE
●	NLZ E S230	Y1004004

Contents

- NLZ E U (Control Unit & Main Unit) • NE180 (AC adaptor)
- NLZ (Motor) • NLZ CD (Motor Cord 1.8 m)
- NLZ U BRACKET

- [Motor]
- Motor Type : Brushless Micromotor
 - Max Torque : 4.2 Ncm
 - Endodontics Torque : 0.3 - 6.0 Ncm*
 - Motor Speed : 100 - 40,000 min⁻¹
 - Dimension : ø22 × H 68.8 mm
 - Weight : 59 g (motor only)
 - Light : White LED
- *Depending on gear ratio

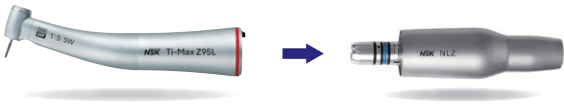
	NLZ	NLZ E
General Application Function	○	○
Rotary Endo Mode Function	—	○
Recipro Endo Mode Function	—	*○

*The "Reciprocating Endo Mode" can be operated only with the NLZ Endo Contra-angle handpiece and WAVEONE® file.

SAFETY FUNCTIONS

Contra-Check Function (Proprietary to NSK)

"Contra-Check Function" helps detect abnormalities caused by deterioration of the electric attachment and insufficient maintenance before use. Our advanced function is the result of NSK's relentless pursuit of safe treatment. *NSK's Ti-Max Z, X and S-Max M electric attachments are compatible with "Contra-Check Function".



For Safer and More Efficient Endodontic Treatment

In addition to the Auto Reverse and Auto Stop functions, a wide range of new features are incorporated for safer and more efficient endodontic treatment.

Reciprocating specialist electric attachment

Newly developed reciprocating specialist electric attachment NLZ Endo. Building on our existing handpiece development technology, we have succeeded in reducing the movement loss during reciprocating operations. As a result, it is possible to correctly transmit reciprocating actions for a smooth endodontic treatment.



NLZ Endo



- Max Speed : 1,000 min⁻¹
(Input Max Rotation Speed of the Motor : 6,000 min⁻¹)
- Engine Files (ø2.35) *For Rotary Endo mode
- Wave-One Reciprocating Files (ø2.35)
- *For Recipro Endo Mode
- Push Button Chuck

	Optic	MODEL	ORDER CODE
6:1 Reduction	—	NLZ Endo	C1130

NLX nano

Electric Micromotor Portable System

- Speed : 2,000 – 40,000 min⁻¹, Torque : 3.4 Ncm



- Contents**
- NLX nano U (Control Unit)
 - NLX nano (Motor)
 - NLX CD (Cord) • NLAC (AC Adaptor)

Specifications (Control Unit)

- Rated Input : AC 28 V 50/60 Hz
- Dimensions : W 127 x D 149 x H 54 mm
- Weight : 517 g

Optic	MODEL	ORDER CODE
●	NLX nano S230	Y1001362

Electric Micromotor Integrated System

- Speed : 1,000 – 40,000 min⁻¹, Torque : 3.4 Ncm



Please contact NSK dealer for installation inquiry

A New Generation of Micromotor as Well Balanced as an Air Turbine

NLX nano has been designed to minimize weight and size to improve the balance of instrument and motor in the hand of the clinician, reducing fatigue during prolonged procedures.

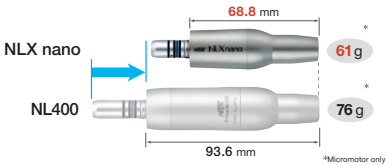
Despite its small size and light weight, the NLX nano is as powerful as traditional micromotors and offers wider range of speeds. Its 180° Vector Control assures smooth and stepless control over the entire speed range.

Thanks to LED illumination, it now delivers 32,000 LUX, natural daylight quality light and assures clearer vision, reducing fatigue during operation.

Feel our quality of NLX nano micromotor.

More Than 25% Shorter and 20% Lighter

Thanks to NSK know how, NLX nano has been designed to reduce weight by 20% and size by more than 25% compared with the current NSK micromotor. Despite its smaller size and lighter weight, NLX nano is as powerful and offers the same speed range as the current brushless NSK clinical micromotors.



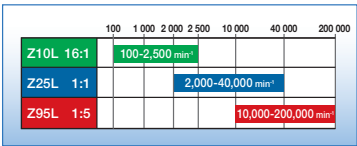
Perfect Balance

The balance of the motor and instrument combined has been dramatically improved as the weight and size of NLX nano has been reduced drastically. The overall length of instrument and NLX nano micromotor are almost the same as the length of air turbines and couplings, thus enabling practitioners use contra-angles and NLX nano micromotors just like the use of air turbines.



Wider Clinical Applications

NLX nano covers a wide speed range and is compatible with your existing optic and non-optic contra-angles. Combined with a wide range of contra-angles, it covers a speed range of 100 – 200,000 min⁻¹, to make it suitable for any applications.



Contra-angles



- NLX nano**
- System : 180° Vector Control System
 - Motor Type : Sensorless DC Brushless Micromotor
 - Motor Speed : 2,000 – 40,000 min⁻¹ (NLX nano U)
: 1,000 – 40,000 min⁻¹ (NLX BF)
 - Torque : Max. 3.4 Ncm
 - Weight : 61 g (micromotor only)
 - Light : White LED

NLX plus

Electric Micromotor Integrated System

- Speed : 100 – 40,000 min⁻¹, Torque : 4.0 Ncm, with Endo Function
- Internal Water Spray
- BRUSHLESS

Features

- Torque control & Auto reverse feature
3 working modes: Auto-reverse on, Auto-stop or Auto-reverse off
- Autoclavable titanium body
- LED illumination
- Installable built-in type conforms to most dental equipments by employing original NLX BF power module



Please contact NSK dealer for installation inquiry

NBX

Electric Micromotor Integrated System

- Speed : 60 – 40,000 min⁻¹
- Internal Water Spray
- BRUSH



Please contact NSK dealer for installation inquiry

M40 XS

Features



- Quiet smooth operation from 60 to 40,000 min⁻¹
- Minimal heat generation
- Compact and light coreless electric micromotor
- LED illumination is incorporated inside the optic micromotor (M40 XS)
- Titanium body with Scratch Resistant DURACOAT



- Made Shorter and Lighter for Perfect Balance
- Advantages of using - LED light
- Ergonomic Shape
- Internal Water Spray
- Brush

Optic	MODEL	ORDER CODE
●	M40 XS	E1135051
—	M40N XS	E1136051

Multi Pad

Multi-Control Panel for Built-in System

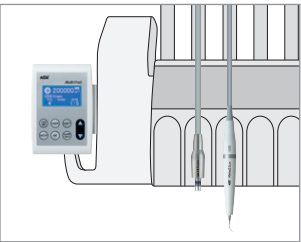


Integrated into Existing Equipment with The Latest Leading Edge Technology

NSK's Multi Pad uniquely enables control of the NLX nano and NLX plus electric micromotors and the Varios 170 ultrasonic scaler in one system. When partnered with Multi Pad, the NLX nano reaches speeds of 1,000 - 40,000 min⁻¹ and delivers a powerful 3.4 Ncm torque, whilst the NLX plus additionally offers 3 user-friendly endo modes; auto-reverse on, auto-stop and auto-reverse off. NSK's Multi Pad can also be used to control all functions of the Varios 170 ultrasonic scaler.

Features

- User friendly LCD display and interface to select settings.
- Visual identification on the display is possible even during operation of the handpiece.
- Up to 8 programs (motor only).
- Supports 5 languages (English, Español, Italiano, Français and Deutsch).



The Integrated System

Electric Micromotor Integrated System (NLX BF) and Multi Function Ultrasonic Scaler (Varios 170) can be controlled with the system.



- Multi Pad Unit
- Angle Plate (Mounting bracket)
- Screws

Multi Pad Complete Sets

MODEL	ORDER CODE
Multi Pad AX (Auto Select)	Y1001846

Specifications

• Input voltage	: DC + 12 V
• Input connect	: 100 mA
• Max. output power	: 1.2 W
• Dimensions	: W 95 x D 138 x H 31 mm

Air Motor



Ti-Max X205L

Shorter and Lighter - Ergonomic Comfort & Improved Balance



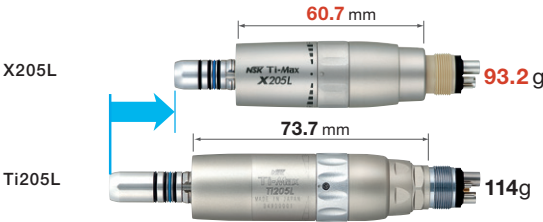
- Advantages**
- Shorter and lighter unsurpassed balance Air motor
 - 360° Swivel with LED illumination (32,000 LUX)



- 360° Swivel with LED illumination
- 32,000 LUX
- Titanium body with scratch-resistant DURACOAT
- Non-Retraction Valve
- Max Speed: 23,000 min⁻¹ ±10%
- Internal Water Spray

Optic	MODEL	ORDER CODE
●	X205L	M1013

Reduced Size and Weight for Unsurpassed Balance



S-Max M205



- Stainless Steel Body
- Non-Retraction Valve
- Midwest 4 hole
- Max Speed: 22,000 min⁻¹ ±10%
- Internal Water Spray

Optic	MODEL	ORDER CODE
—	M205	M1007

FX205



- Midwest 4 hole
- Max Speed: 22,000 min⁻¹ ±10%
- External Water Spray

Optic	MODEL	ORDER CODE
—	FX205 M4	M1005002



- Borden 2 hole
- Max Speed: 25,000 min⁻¹ ±10%
- External Water Spray

Optic	MODEL	ORDER CODE
—	FX205 B2	M1006002

Air Motor Set



- Midwest 4 hole



- Borden 2 hole



- Midwest 4 hole



- Borden 2 hole

Optic	MODEL	ORDER CODE
—	FX205 M4 Set	Y1002665

Contents

- Air Motor (FX205)
- Straight handpiece (FX65)
- Contra-angle handpiece (FX23)

Optic	MODEL	ORDER CODE
—	FX205 B2 Set	Y1002666

Contents

- Air Motor (FX205)
- Straight handpiece (FX65)
- Contra-angle handpiece (FX23)

Optic	MODEL	ORDER CODE
—	FX205 M4 / FX22 Set	Y1003590

Contents

- Air Motor (FX205)
- Straight handpiece (FX65)
- Contra-angle handpiece (FX22)

Optic	MODEL	ORDER CODE
—	FX205 B2 / FX22 Set	Y1003589

Contents

- Air Motor (FX205)
- Straight handpiece (FX65)
- Contra-angle handpiece (FX22)

Student Kit



Motor Straight Handpiece

FX65



FX205



+



FX23+PAF SU(Push button)



FX22+PAF SU(Push button)



FX22+PAF S(wrench)

FX205/FX65+FX23+PAF SU(Push button)

Contra-angle (FX Series)



FX23

Air Turbine (PanaAir FX) Push Button type



Head	MODEL	ORDER CODE
	Standard PRO PAF SU M4 FX23 KIT	Y1003601
	Standard PRO PAF SU B2 FX23 KIT	Y1003599

FX205/FX65+FX22+PAF SU(Push button)

Contra-angle (FX Series)



FX22

Air Turbine (PanaAir FX) Push Button type



Head	MODEL	ORDER CODE
	Standard PRO PAF SU M4 FX22 KIT	Y1005397
	Standard PRO PAF SU B2 FX22 KIT	Y1003595

FX205/FX65+FX22+PAF S(wrench)

Contra-angle (FX Series)



FX22

Air Turbine (PanaAir FX) wrench type



Head	MODEL	ORDER CODE
	Standard PRO PAF S M4 FX22 KIT	Y1003593
	Standard PRO PAF S B2 FX22 KIT	Y1003591



ORAL HYGIENE

Varios Combi Pro



Two Maintenance Systems in One

Combining ultrasonic scaling and powder therapy for more effective and comfortable oral hygiene and biofilm control.



Innovative New Design Enables Clinicians to Safely and Efficiently Combine Two Applications

Two Systems in One

NSK has combined ultrasonic treatment and powder therapy into a single professional treatment unit that streamlines procedures and saves time and space.

Automatically Sets Powder Therapy Functions for Supragingival or Subgingival Applications

The clinician simply attaches the relevant powder chamber, and the unit automatically selects the functions for supragingival or subgingival applications. This prevents selection errors.

Independent Unit and Chamber

The detachable chamber and handpiece make it possible to easily switch between supragingival and subgingival applications and make the unit extremely user and maintenance friendly.

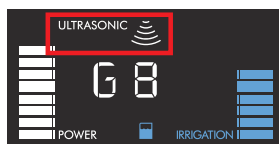
Keeps Both Powder Types Separate

Separate chambers, handpieces, and handpiece hoses for supragingival and subgingival procedures eliminate the risk of powder mixing or powder entering the control unit.

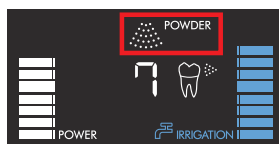
Optimizing Manoeuvrability

Automatic Switching from Ultrasonic to Powder Function

An automatic recognition sensor switches from ultrasonic to powder function when a handpiece is picked up from the holder.



<During Ultrasonic function>

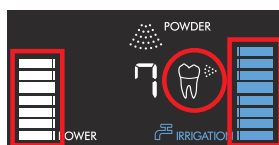


<During Powder function>

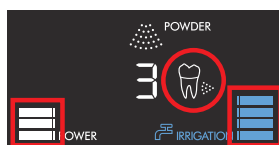
Store Previous Settings

The system memory can store such treatment parameters as water volume, air pressure and ultrasonic power settings. Simply pick up the handpiece to switch settings.

*For powder functions, settings change when replacing the chamber.



<When using Supragingival>



<When using Subgingival>

Auto-cleaning function

Auto-cleaning automatically cleans the handpiece and hose after powder or ultrasonic applications. During the cleaning cycle, the display shows the time remaining to complete the process which takes approximately 45 seconds from start to finish.



Multi-Foot Control

Just using the foot the user can switch ultrasonic or powder modes on or off and change power settings. Combined with a hanger, this offers complete hands-free operations.



ULTRASONIC

A Slim Highly-ergonomic LED Handpiece



The ø9.5 mm slim tip of the Varios LUX handpiece makes it easy to operate throughout the entire oral cavity. The slim handpiece facilitates a smooth approach to difficult to access areas such as the molars. This provides freedom of movement in the oral cavity allowing the tip to be applied at the correct angle. The easy to grip ultra-light handpiece reduces strain on the hands and fingers. With a wide spectrum of close to natural light LED illumination, the view is always bright with high recognition capability.



A wide choice of tips

NSK offers more than 80 tips to optimize treatment in various clinical procedures.

iPiezo engine®

The Unique Ultrasonic AI engine Responds Intelligently

"I'd like to be better at scaling", "I'd like an easier way to remove deposits"

We carefully considered the opinions of clinicians in the development of our unique next-generation AI ultrasonic engine which is at the heart of the NSK ultrasonic series. The actions of the operator are transmitted accurately to the tip, as if it were an extension of the hand. This allows treatment to match tooth surface conditions. The result is faster and gentler treatment for patients and at the same time eco friendly as it operates efficiently with low power consumption.

Feedback Function

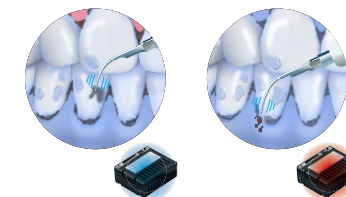
The NSK iPiezo engine supplies the appropriate power to the tip depending on the condition of the tooth surface. iPiezo engine provides a stable frequency output without dropping the power, even when removing hard calculus.

Auto Tuning Function

The Auto Tuning Function provides stable frequency to the tip at the selected power range. It allows the operator to feel the power output which ensures the optimum result.

Allows for Steady Scaling

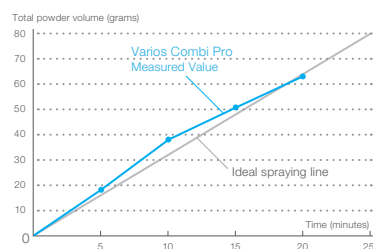
Conventional ultrasonic scalers lose power when moving from soft to hard tartar. The load on the end of the tip is automatically detected by the action of the iPiezo engine allowing for steady scaling without power-loss.





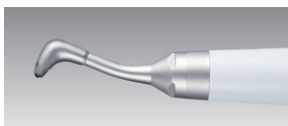
POWDER PROPHY-SYSTEM

Powder Therapy to Clean Supragingival Areas Efficiently and Quickly



Stable powder spraying

NSK's expertise in fluid analysis techniques, gained through developing turbines, optimize powder flows inside the chamber, streamlining sprays of powder, water and air to significantly shorten chair times.



User-friendly handpiece and nozzle

The slim handpiece provides excellent accessibility and manoeuvrability



Fast and effective therapy

Clinicians can clean teeth quickly with NSK's FLASH pearl powder. NSK FLASH pearl consists of fine spherical shaped calcium-based particles which remove stains and plaque.



POWDER PERIO-SYSTEM

The Powder Spray Gently Cleans Subgingival Areas



Gentle on soft tissue

Separating powder and water during application prevents periodontal damage. Powder flow is directed in all directions to remove subgingival plaque.



Safe plastic nozzle

Because the nozzle tip is flexible, it can follow tooth contours and is easy to insert into pockets thereby minimizing patient discomfort. The material is semi-transparent to help with visibility. The nozzle tips are sterile and individually packaged so they are ready to use.

Wide range of applications

Applications range from quick biofilm removal to cleaning around dental implants and periodontal pockets. With the nozzle tip removed, clinicians can remove plaque from subgingival pockets of up to 3 mm.

Varios Combi Pro



Varios Combi Pro Basic Set

MODEL	ORDER CODE
Varios Combi Pro Basic Set	Y1002843

- Contents**
- PROPHY-Handpiece with 60° Nozzle
 - PROPHY-Hose
 - PROPHY-CHAMBER
 - FLASH pearl (5 pcs. x 15 g sachets)
 - Maintenance kit
 - VA2LUX-Handpiece
 - VA2LUX-Hose
 - 3 Scaling tips
 - Sterilization case
 - Irrigation bottle (400 mL)
 - Foot control

Specifications

• Power Supply : AC 100-240 V 50/60 Hz	• Frequency : 28-32 kHz	• Dimensions : W 225 x D 290 x H 162 mm (including chamber)
• Unit weight : 2.6 kg (Except attachment)	• Bottle volume : 400 mL	

OPTION



MODEL	ORDER CODE
Varios Combi Pro Perio Set	Y1003042

- Contents**
- PERIO-CHAMBER
 - PERIO-Hose
 - PERIO-Handpiece
 - Perio Mate Nozzle tip
 - Perio Mate Nozzle tip remover
 - Perio Mate powder

The Smart Compact Design Provides High-performance

Large LED Display

The large LED display has a 10 stage numeric power display and bar graph to show the irrigation volume. Beyond this, intuitive layout of operating keys minimize user errors. Power adjustment and function selection can be performed easily and reliably.



Large Solution Bottles

The two bottles can be placed and removed easily and can be used for any type of irrigation to complement treatment. Large 400 mL bottles deliver ample irrigation capacity and reduced chair time. Repeated tests of our components and material studies ensure high durability even when used extensively with antiseptic irrigation solutions.



Improved Durability Against Antiseptic Solutions

The introduction of the resin based water pipe of the bottle, pump and handpiece, assures dramatically improved durability as it substantially reduces the corrosion and rust caused by the residuum of antiseptic solutions.



Auto Cleaning Mode

The Auto Cleaning Mode flushes the tubing, handpiece and tips at the push of a button when required. The two channels can be flushed independently.



Varios 970 Complete Sets

Optic	MODEL	ORDER CODE
●	VA970 LUX (230V)	Y1001168
—	VA970 (230V)	Y1001175
●	VA970 LUX (120V)	Y1001166
—	VA970 (120V)	Y1001174

- Contents**
- Control unit
 - Handpiece
 - Handpiece cord
 - 3 Scaling tips (G4, G8, G16)
 - Foot control (FC-70)
 - 2 x Irrigation bottles
 - 3 x Tip wrench with torque limiter
 - AC power cord
 - Sterilization case

Specifications	
• Power Supply : AC 120 or 230 V 50/60 Hz	• Dimensions : W 160 x D 270 x H 190 mm (Including Bottle)
• Frequency : 28-32 kHz	• Unit weight : 2.1 kg (Except attachment)
• Max. output : 11 W (G mode)	• Bottle volume : 400 mL (x 2 bottles)

Varios 970

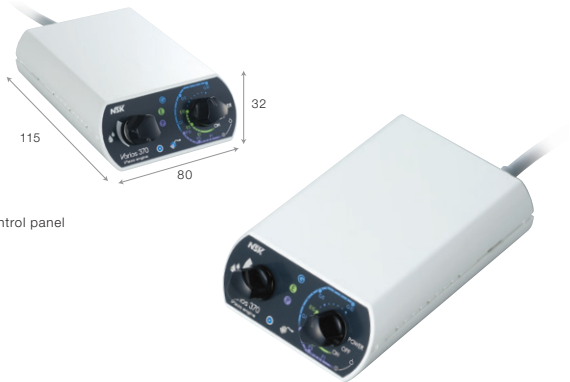
Varios 370

Compact Multipurpose Control Unit at Your Fingertips

Varios 370 has been especially developed to offer a compact, portable control unit allowing easy installation into any dental unit. It is simple to operate and suitable for a variety of clinical procedures.

Advantages

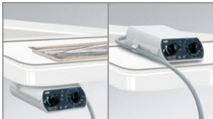
- Powered by iPiezo engine
- Potable ultra compact body
- Simple and intuitive operation control panel



Varios 370 Units Installation Examples



On the dental console arm with Stand (optional).



On/Under the dental bracket table with Control Unit Holder



Varios 370 Complete Set

Optic	MODEL	ORDER CODE
●	VA370 LUX (120V)	Y1001956
●	VA370 LUX (230V)	Y1001343
—	VA370 (120V)	Y1001958
—	VA370 (230V)	Y1001340

Contents

- Control unit with handpiece cord
- Control unit holder
- AC adaptor
- Handpiece
- Handpiece holder
- Water filter set
- Foot control (FC-71)
- 3 Scaling tips
- Tip wrench with torque limiter

Specifications

• Power Supply	: AC 100-240 V 50/60 Hz
• Frequency	: 28-32 kHz
• Max. output	: 11 W (G mode)
• Dimensions	: W 80 x D 115 x H 32 mm (without knob and cord)
• Unit weight	: 0.43 kg (without attachment)

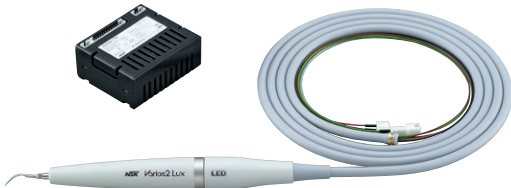
Varios 170

Integrated Multi Function Ultrasonic Scaler

Varios 170 is the world's smallest built-in optic control module.

It features the NSK iPiezo engine which ensures stable power output all the times.

The slimmer and extremely lightweight handpiece with twin LED is easily added to the existing handpiece delivery unit and is controlled via the existing foot control.



Sterilization Case

The handpiece, tips and tip wrenches can be sterilized together for your convenience.



Varios 170 Complete Sets

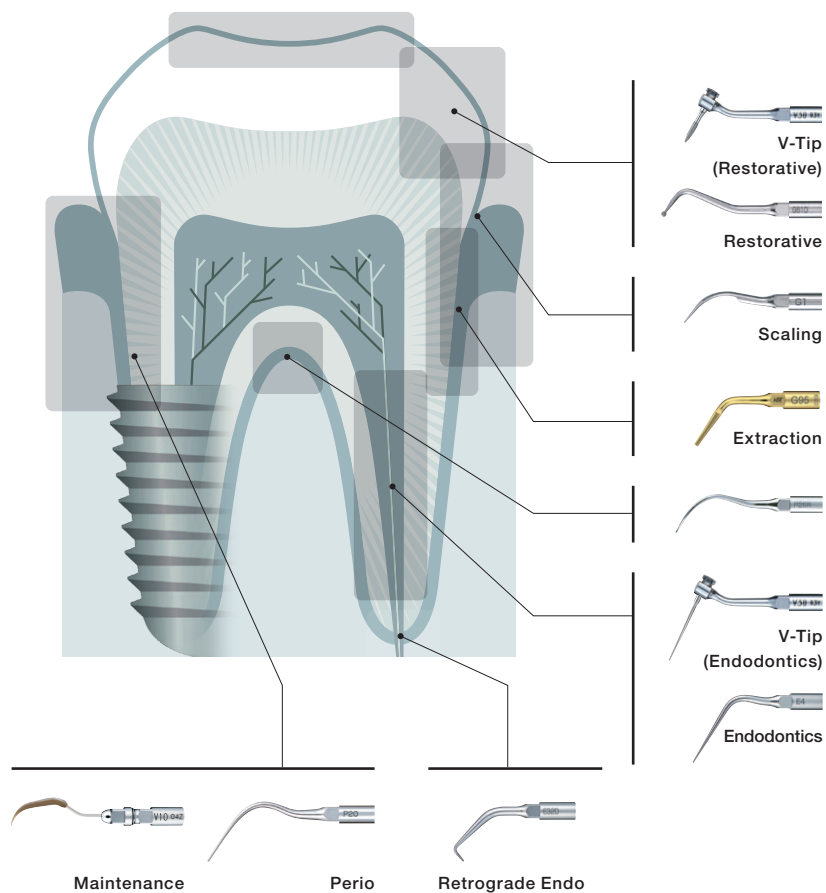
Optic	MODEL	ORDER CODE	CONTENTS
●	VA170LUXS1	Y1001351	• Built in module
—	VA170S1	Y1001352	• Handpiece
●	VA170LUXS2	Y1001441	• Handpiece cord
—	VA170S2	Y1001442	• 3 Scaling tips (G4, G6, G8)
●	VA170LUX NAS	Y1001916	• 3 x Tip replacement wrench with torque limiter
—	VA170 NAS	Y1001898	• Sterilization case
●	VA170LUX NAS	Y1001916	• Built in module
—	VA170 NAS	Y1001898	• Handpiece
—	VA170 NAS	Y1001898	• Handpiece cord
—	VA170 NAS	Y1001898	• 3 Scaling tips (G2, G4, G6)
—	VA170 NAS	Y1001898	• 1 x Tip replacement wrench with torque limiter

Specifications

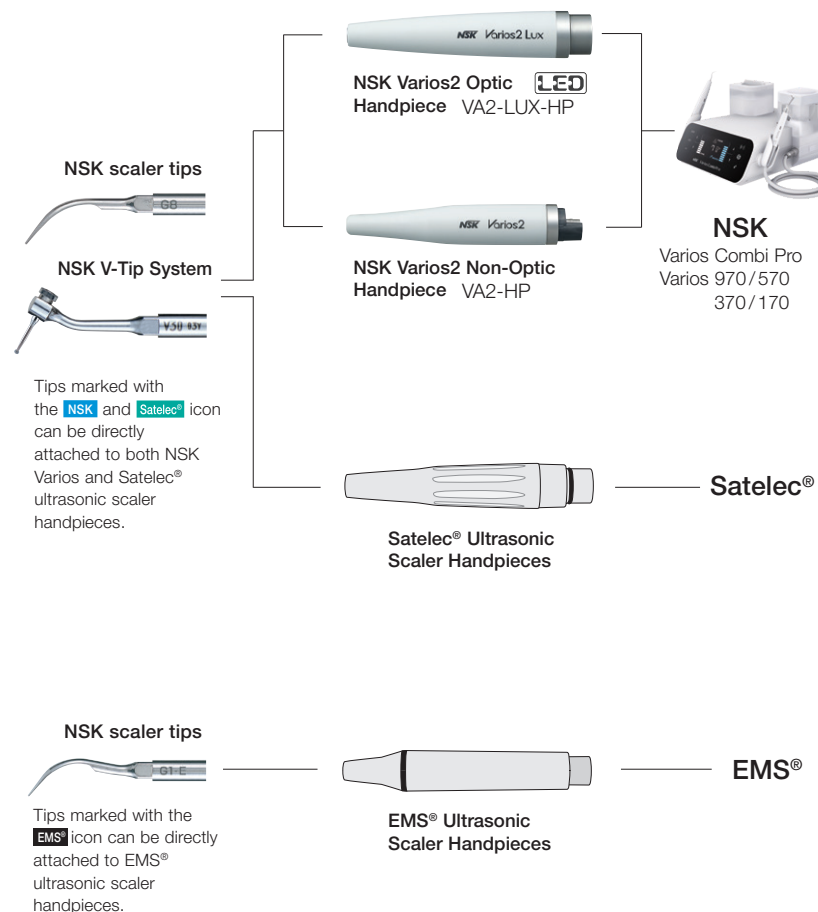
• Power Supply	: AC 24 V ±10%
• Frequency	: 28-32 kHz
• Max. output	: 11 W
• Dimensions	: W 63 x D 54 x H 26 mm
• Module weight	: 59 g

Ultrasonic Scaler Tips

NSK Offers a Wide Choice of Varios Ultrasonic Scaler Tips for Clinical Applications.



NSK tips fit Varios2 ultrasonic scaler handpieces as well as Satelec® ultrasonic scaler handpieces. NSK make a number of tips which will fit on EMS® ultrasonic scaler handpieces. The following is a guide to illustrate all NSK Varios tips, their applications and connectivity.



Scaling

Cross
Section
Diagram



NSK
Satelec®

G1

Z217101

EMS®

G1-E

Z291101

Scaling G1 Pack
Contents G1 6pcs

MODEL ORDER CODE



NSK
Satelec®

G2

Z217102

EMS®

G2-E

Z291102

MODEL ORDER CODE



NSK
Satelec®

G3

Z217103

EMS®

G3-E

Z291103

MODEL ORDER CODE



NSK
Satelec®

G4

Z217104

EMS®

G4-E

Z291104

Scaling G4 Pack
Contents G4 6pcs

MODEL ORDER CODE



NSK
Satelec®

G5

Z217105

MODEL ORDER CODE



NSK
Satelec®

G6

Z217106

EMS®

G6-E

Z291106

Scaling G6 Pack
Contents G6 6pcs

MODEL ORDER CODE

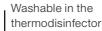


NSK
Satelec®

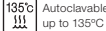
G8

Z217108

Scaling G8 Pack
Contents G8 6pcs



Washable in the
thermidisinfector



Autoclavable
up to 135°C

Scaling

Cross
Section
Diagram



NSK
Satelec®

G9

Z217109

Scaling G9 Pack
Contents G9 6pcs

MODEL ORDER CODE



NSK
Satelec®

G11

Z217411

MODEL ORDER CODE



NSK
Satelec®

G12

Z217412

MODEL ORDER CODE



NSK
Satelec®

G13

Z217413

Perio (Root Planing)

Cross
Section
Diagram

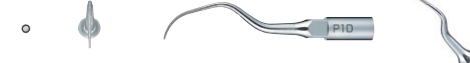


NSK
Satelec®

P1

Z217404

MODEL ORDER CODE



NSK
Satelec®

P1D

Z217405

• Diamond coated

MODEL ORDER CODE



NSK
Satelec®

P2D

Z217402

• Diamond coated • Right curved type

MODEL ORDER CODE



NSK
Satelec®

P3D

Z217403

• Diamond coated • Left curved type

* Cross section diagram is the image of a point 1 mm from the end.
The illustrated tip diagram is three times bigger than the actual size.

Perio (Root Planing)

Cross
Section
Diagram





MODEL	ORDER CODE
 P10	Z217410

- Sharp edge

Cross
Section
Diagram





MODEL	ORDER CODE
 P11R	Z217408

- Sharp edge • Right curved type

Cross
Section
Diagram





MODEL	ORDER CODE
 P11L	Z217409

- Sharp edge • Left curved type

Cross
Section
Diagram





MODEL	ORDER CODE
 P20	Z217420
 P20-E	Z291420

Cross
Section
Diagram





MODEL	ORDER CODE
 P21R	Z217422
 P21R-E	Z291422

- Right curved type

Cross
Section
Diagram





MODEL	ORDER CODE
 P21L	Z217421
 P21L-E	Z291421

- Left curved type

Perio (Root Planing)

Cross
Section
Diagram





MODEL	ORDER CODE
 P25R	Z217424
 P25R-E	Z291424

- Right curved type

Cross
Section
Diagram





MODEL	ORDER CODE
 P25L	Z217425
 P25L-E	Z291425

- Left curved type

Cross
Section
Diagram





MODEL	ORDER CODE
 P26R	Z217426

- Right curved type

Cross
Section
Diagram





MODEL	ORDER CODE
 P26L	Z217427

- Left curved type

Perio (Irrigation and Cleaning)

Cross
Section
Diagram





MODEL	ORDER CODE
 P40	Z217550

- Tip diameter ø0.6 mm

Cross
Section
Diagram





MODEL	ORDER CODE
 P41	Z217555

- Tip diameter ø0.8 mm

Maintenance (V-Tip)
Perio-Control



V-Tip Holder



MODEL	ORDER CODE
V10	Z217041

- Includes E-Tip replacement wrench
- Plastic Tip is not included

For the maintenance of prostheses and implants. Produced from special material to allow safe debridement without causing damage to metals and implants.

Cross
Section
Diagram



MODEL	ORDER CODE
V-P10	Y900184

- Pack of 3
- V10 holder is not included

V-P12 is a longer version of the popular V-P10 tip. It serves a wide range of applications, including the maintenance of implants and other prosthetic devices. Its shape offers easy access to all treatment areas.



MODEL	ORDER CODE
V-P12	Y1002167

- Pack of 3
- V10 holder is not included



V-P10



V-P12



V-P11R



V-P26R

Maintenance (V-Tip)

V-P11R/L left and right are double bent tips. This tip is extra long to easily access difficult to reach areas and to avoid interference with neighbouring teeth or contours. Its shape was designed to best fit different tooth morphologies, making this a versatile tip for a wide range of uses from anterior teeth to premolars.

Cross
Section
Diagram



MODEL	ORDER CODE
V-P11R	Y1002165

- Right curved type
- Pack of 3
- V10 holder is not included



MODEL	ORDER CODE
V-P11L	Y1002166

- Left curved type
- Pack of 3
- V10 holder is not included

V-P26R/L is a double-bent tips. The wide angles offer access to areas that cannot be reached with V-P11R/L tips or other conventional instruments. These tips are ideally suited to access the distal surfaces of molars and corner areas as, the end of the tip fits tooth morphology very closely.



MODEL	ORDER CODE
V-P26R	Y1002168

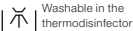
- Right curved type
- Pack of 3
- V10 holder is not included



MODEL	ORDER CODE
V-P26L	Y1002169

- Left curved type
- Pack of 3
- V10 holder is not included

* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is three times bigger than the actual size.



Endodontics

Cross
Section
Diagram



MODEL	ORDER CODE
E4	Z217428

- For root canal cleaning



MODEL	ORDER CODE
E4D	Z217528

- Diamond coated
- For root canal enlargement



MODEL	ORDER CODE
E5	Z217305

- Water not required
- For lateral condensation



MODEL	ORDER CODE
E6	Z217306

- Water not required
- For lateral condensation



MODEL	ORDER CODE
E7	Z217307

- Water not required
- For removal of filling and foreign material



MODEL	ORDER CODE
E7D	Z217317

- Diamond coated
- For enlargement of root canal wall

Endodontics

Cross
Section
Diagram



MODEL	ORDER CODE
E8	Z217308

- Water not required
- For removal of filling and foreign material



MODEL	ORDER CODE
E8D	Z217318

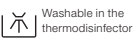
- Diamond coated
- For enlargement of root canal wall



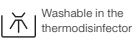
MODEL	ORDER CODE
E15D	Z217319

- Diamond coated
- For locating root canals and removal of calcifications

* Cross section diagram is the image of a point 1 mm from the end.
The illustrated tip diagram is three times bigger than the actual size.



* For tips E5, E6, E7, E7D, E8, and E8D,
please use the attached E Tip Replacement Wrench.



Endodontics

120° Angle Holder for U files



95° Angle Holder for U files



MODEL	ORDER CODE
E11	Z217031

- For U files (ø0.8 mm)
- For root canal cleaning
- For anterior teeth • File is optional

MODEL	ORDER CODE
E12	Z217032

- For U files (ø0.8 mm)
- For root canal cleaning
- For posterior teeth
- File is optional

MODEL	ORDER CODE
U files 33 mm ISO 15 Y900062	

- ISO 15 • Pack of 6

MODEL	ORDER CODE
U files 33 mm ISO 20 Y900063	

- ISO 20 • Pack of 6

MODEL	ORDER CODE
U files 33 mm ISO 25 Y900064	

- ISO 25 • Pack of 6

MODEL	ORDER CODE
U files 33 mm ISO 30 Y900065	

- ISO 30 • Pack of 6

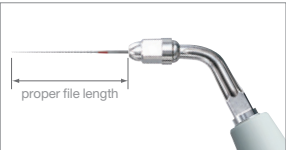
MODEL	ORDER CODE
U files 33 mm ISO 35 Y900066	

- ISO 35 • Pack of 6

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench.
Replacement wrench is not included when ordering other tips.
Please order the replacement wrench separately in this instance.

Always refer to this reference chart to ensure correct and accurate proper file length to avoid file breakage.

	#15	#20	#25	#30	#35
E11	22 mm	24.5 mm	22 mm	22 mm	22 mm
E12	22 mm	24.5 mm	24.5 mm	24.5 mm	22 mm



Retrograde Endo

Cross
Section
Diagram



MODEL	ORDER CODE
E30RD	Z217212

- Diamond coated
- For posterior teeth (right angled)

MODEL	ORDER CODE
E30LD	Z217213

- Diamond coated
- For posterior teeth (left angled)

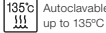
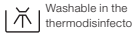
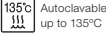
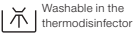
MODEL	ORDER CODE
E31D	Z217210

- Diamond coated
- For anterior and posterior teeth (70°)

MODEL	ORDER CODE
E32D	Z217211

- Diamond coated
- For anterior teeth (90°)

* Cross section diagram is the image of a point 1 mm from the end.
The illustrated tip diagram is three times bigger than the actual size.



Extraction

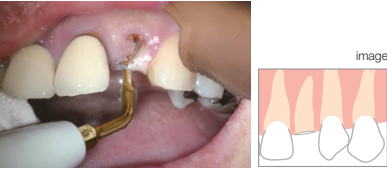
Because the tip and the bilateral edges of the G95 tip are sharp it can be inserted without applying excessive force. Furthermore, because the abrasion of the periodontal ligaments using the tip creates a space between the tooth root surface and alveolar bone, tooth extraction can be conducted without injuring the bone around the root.

Features

- Access to a surgical site is improved by thinning the tip apex shape and sharpening both edge flanks.
- Adhesion areas of periodontal membrane can be removed smoothly.
- Tooth removal can be performed smoothly so that patient discomfort can be reduced.
- Approaches from angles hard to reach with hand instruments are also possible.

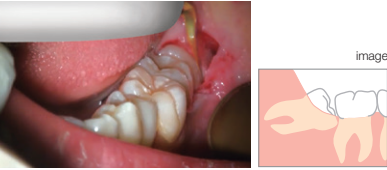
Root extraction
(upper left No. 2 tooth removal)

Tooth extraction is possible without excessively cutting the alveolar bone around the remaining root, retaining the morphology of the alveolar bone.



Impacted tooth
(lower left No. 8 tooth removal)

The use of the tip prior to extraction will mobilise the tooth and make extraction easier.



Be careful not to apply excessive force, as in cases of using elevators.
Nishikawa-guchi dental clinic



	MODEL	ORDER CODE
 G95	G95	Z217705
	• TiN coating • 0.7 mm thick • A double edge, which is sharp in three directions	

Restorative (For Minimal Intervention)

	MODEL	ORDER CODE
  G61D	G61D	Z217601
	• Diamond coated	

	MODEL	ORDER CODE
  G62D	G62D	Z217602
	• Diamond coated	

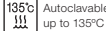
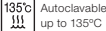
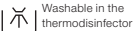
	MODEL	ORDER CODE
  G65D	G65D	Z217605
	• Diamond coated	

	MODEL	ORDER CODE
  G66D	G66D	Z217606
	• Diamond coated	

	MODEL	ORDER CODE
  G67D	G67D	Z217607
	• Diamond coated	

	MODEL	ORDER CODE
  G68D	G68D	Z217608
	• Diamond coated	

* Cross section diagram is the image of a point 1 mm from the end.
The illustrated tip diagram is three times bigger than the actual size.



Varios V-TIP System



NSK Varios V-Tip holder system is innovative, multi-functional and economical. The V-Tip holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced. NSK V-Tip holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.

Restorative P120-121

- For Minimal Intervention
- For Finishing / Trimming / Polishing
- For Caries Removal



Endodontics P119

- For Root Canal Cleaning
- For Root Canal Enlargement



- Ni-Ti Irrigation



V30
120° Angle type

Maintenance P110-111

- For Prostheses or Implant Maintenance
Perio-Control



V10
Straight

Endodontics V-Tip



MODEL	ORDER CODE
V30	Z217030

- Tip is optional

- For root canal cleaning 17 mm • Pack of 3

MODEL	ORDER CODE
V-S50	Y900169

- For root canal cleaning 23 mm • Pack of 3

MODEL	ORDER CODE
V-S51	Y900170

- For root canal cleaning 26 mm • Pack of 3

MODEL	ORDER CODE
V-S52	Y900171

- For root canal cleaning 32 mm • Pack of 3

MODEL	ORDER CODE
V-S53	Y900172

- Diamond coated
- For root canal enlargement 17 mm • Pack of 3

MODEL	ORDER CODE
V-S50D	Y900173

- Diamond coated
- For root canal enlargement 23 mm • Pack of 3

MODEL	ORDER CODE
V-S51D	Y900174

- Diamond coated
- For root canal enlargement 26 mm • Pack of 3

MODEL	ORDER CODE
V-S52D	Y900175

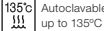
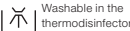
- Diamond coated
- For root canal enlargement 32 mm • Pack of 3

MODEL	ORDER CODE
V-S53D	Y900176



* In order to reduce the incidence of ledge formation, there is no diamond coating on the end of the tip. (1.0 mm)

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.



Restorative (For Minimal Intervention)



V-Tip Holder





NSK
Satelec

MODEL	ORDER CODE
V30	Z217030

• Tip is optional

MODEL	ORDER CODE
V-G70	Y900118

• Diamond coated • Pack of 3

MODEL	ORDER CODE
V-G71	Y900119

• Diamond coated • Pack of 3

MODEL	ORDER CODE
V-G72	Y900120

• Diamond coated • Pack of 3

MODEL	ORDER CODE
V-G75	Y900121

• Diamond coated • Pack of 3

MODEL	ORDER CODE
V-G76	Y900122

• Diamond coated • Pack of 3

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.

Restorative (For Finishing / Trimming / Polishing)



V-Tip Holder





NSK
Satelec

MODEL	ORDER CODE
V30	Z217030

• Tip is optional

MODEL	ORDER CODE
V-G77	Y900165

• Diamond coated
• Normal Grade • Pack of 3

MODEL	ORDER CODE
V-G78	Y900166

• Diamond coated
• Fine Grade • Pack of 3

MODEL	ORDER CODE
V-G79	Y900167

• Diamond coated
• Super Fine Grade • Pack of 3

Restorative (For Caries Removal)



V-Tip Holder





NSK
Satelec

MODEL	ORDER CODE
V30	Z217030

• Tip is optional

MODEL	ORDER CODE
V-S1	Y900161

• Stainless Tip • Pack of 3

MODEL	ORDER CODE
V-S3	Y900162

• Stainless Tip • Pack of 3

MODEL	ORDER CODE
V-S33	Y900163

• Stainless Tip • Pack of 3

Tip Kits

Application PERIO



MODEL	ORDER CODE
Perio Kit A	Y900144

Contents

- P1D, P2D, P3D, P10 : 1 pc. each
- Tip holder : 1 pc.

Application PERIO Furcation and curved root face



MODEL	ORDER CODE
Perio Kit B	Y900145

Contents

- P20, P25R, P25L : 1 pc. each
- Tip holder : 1 pc.

Application MAINTENANCE For Prostheses or Implant Maintenance



MODEL	ORDER CODE
Perio-Control Tips Starter Kit	Y1002606

Contents

- V10 holder : 1 pc.
- V-P11R, V-P11L, V-P12, V-P26R, V-P26L : 1 pc. each
- E Tip replacement wrench : 1 pc.

Application ENDODONTICS For anterior root canal irrigation



Includes 5 types of U files (ø0.8 mm) plus 120° angle holder

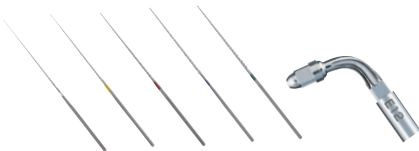
MODEL	ORDER CODE
Endo Kit E11	Y900146

Contents

- E11 : 1 pc. 120° angle holder for anterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

Tip Kits

Application ENDODONTICS For posterior root canal irrigation



Includes 5 types of U files (ø0.8 mm) plus 95° angle holder

MODEL	ORDER CODE
Endo Kit E12	Y900147

Contents

- E12 : 1 pc. 95° angle holder for posterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

Application ENDODONTICS 4 kinds of Retrograde Root filling tips



MODEL	ORDER CODE
Retro Kit	Y900149

Contents

- E30RD, E30LD, E31D, E32D : 1 pc. each
- Tip holder : 1 pc.

Ti-Max S970

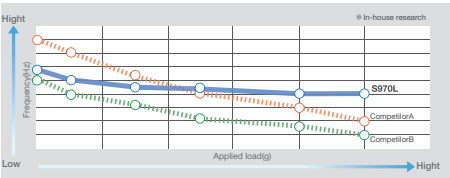


Air Scaler Evolution Supporting a Broad Spectrum of Care

The S970 air scaler offers a wide power range with easy swivel power adjustment and an extensive tip range for a wide variety of applications ranging from general scaling and root canal irrigation to minimally invasive procedures. The wide range of applications, comfortable grip and ease of maintenance makes the S970 air scaler the instrument of choice for dentists and hygienists alike. A titanium body and sleek, seamless design make the S970 really comfortable to hold even during long procedures whilst allowing for excellent visibility of the operating site at all times.

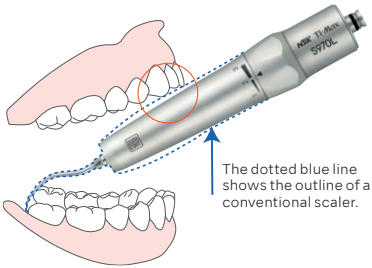
Steady Power Supply to The Tip

S970 air scalers provide stable power output and constant oscillating movement across the entire power range at approximately 6,000 Hz. S970 air scalers are extremely gentle and therefore very popular in cases involving perio or high sensitivity.



Excellent Visibility

The sleek design of the S970 allows for unrestricted visibility of the treatment area and excellent access to even the most hard to reach areas.



Smooth and Easy Power Control Ring

NSK Power Ring offers three different power level settings for diverse clinical needs. While the gentle minimum mode is for delicate procedures, the maximum power mode is good for general scaling.



APPLICATIONS	TIPS	POWER RING SETTING		
		1	2	3
Scaling	S1, S2, S3	←→→→		
Perio	S10, S20, S21R, S21L	←→→		
Perio (Maintenance Tip)	S35+V-Tip (V-P10, V-P11R, V-P11L, V-P12)	←→→		
Restorative (For Preparation of crown cores)	S81D, S82D, S83D, S86D, S71D, S72D	←→→		
Restorative (For Minimal Intervention)	S65D, S66D, S67D, S68D	←→→		
V-TIP SYSTEM (Endodontics)	S75+V-Tip (V-U15-V-U35)	←→		

The above power level is standard. Please start use from a low level to correspond to the symptoms.

Ti-Max S970



- Titanium Body with Scratch Resistant DURACOAT
- 3 level Power Ring
- Frequency of oscillation : 5,800-6,200 Hz
- Cellular Glass Optics



Includes 3 tips (S1, S2 & S3),
Tip Wrench (CR-20) and
Tip Cover (L)

Connect to NSK Couplings	Optic	MODEL	ORDER CODE
	●	S970L	T1005
	—	S970	T1020
Connect Direct to KaVo® Coupling	Optic	MODEL	ORDER CODE
	●	S970KL	T1013
Connect Direct to Sirona® Coupling	Optic	MODEL	ORDER CODE
	●	S970SL	T1015

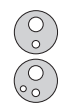
AS2000

- Frequency of oscillation : 5,600-6,000 Hz
- Includes 3 tips (S1, S2 & S3), Tip Wrench (CR-20) and Tip Cover (L)



Optic	MODEL	ORDER CODE
—	AS2000 M4	T698

- For Midwest 4 hole
- Weight : 67 g



Optic	MODEL	ORDER CODE
—	AS2000 B2/3	T697

- For Borden 2/3 hole
- Weight : 64 g

Air Scaler Tips

Scaling

Cross
Section
Diagram



MODEL	ORDER CODE
S1	Z252411

- Universal Type



MODEL	ORDER CODE
S2	Z252413

- Sickle Type



MODEL	ORDER CODE
S3	Z252412

- Perio Type

Perio

Cross
Section
Diagram



MODEL	ORDER CODE
S10	Z252420

- Universal Type Slim Line



MODEL	ORDER CODE
S20	Z252441

- Root Planning (Straight tip)



MODEL	ORDER CODE
S21R	Z252442

- Root Planning (Right curved tip)



MODEL	ORDER CODE
S21L	Z252443

- Root Planning (Left curved tip)

Maintenance (V-Tip)



V-Tip Holder



MODEL	ORDER CODE
S35	Z252015

- Includes E-Tip replacement wrench
- Plastic Tip is not included

Cross
Section
Diagram



MODEL	ORDER CODE
V-P10	Y900184

- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
V-P12	Y1002167

- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
V-P11R	Y1002165

- Right curved type
- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
V-P11L	Y1002166

- Left curved type
- Pack of 3
- S35 holder is not included

Air Scaler Kit



MODEL	ORDER CODE
Perio-Control Tips Air Scaler Kit Y1002754	

- S35 holder : 1 pc.
- V-P10, V-P11R, V-P11L, V-P12 : 1 pc. each
- Includes E-Tip replacement wrench



Washable in the
thermodisinfecteur



Autoclavable
up to 135°C



Washable in the
thermodisinfecteur



Autoclavable
up to 135°C

Restorative (For Minimal Intervention)

Unlike rotary instruments these tips oscillate and are designed to only cut on one surface allowing minimally invasive site preparation and thereby greatly reducing the risk of damaging adjacent teeth and soft tissue. The spherical shape of these tips make them suitable for delicate adjustments as well as caries removal in the cervical and interproximal region.



MODEL	ORDER CODE
S65D	Z252465

- Diamond coated



MODEL	ORDER CODE
S66D	Z252466

- Diamond coated



MODEL	ORDER CODE
S67D	Z252467

- Diamond coated

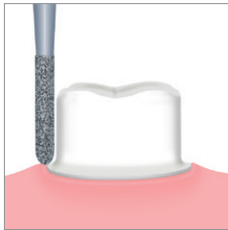


MODEL	ORDER CODE
S68D	Z252468

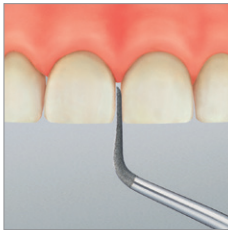
- Diamond coated



S65D



S81D



S72D

Restorative (For Preparation of Crown Cores)

The tips can be used for finishing margins after prepping the area with a conventional dental bur. That enables you to finish minute sharp edges and gingival sulcus without damage, something that cannot be accomplished with rotary instruments alone. Three types of tips are available for deep chamfer, light chamfer and shoulder work, respectively.



MODEL	ORDER CODE
S81D	Z252469

- Diamond coated



MODEL	ORDER CODE
S82D	Z252462

- Diamond coated



MODEL	ORDER CODE
S83D	Z252461

- Diamond coated



MODEL	ORDER CODE
S86D	Z252460

- Diamond coated

These tips are safe sided and flat for minimal mesial or distal preparations.



MODEL	ORDER CODE
S71D	Z252471

- Diamond coated



MODEL	ORDER CODE
S72D	Z252472

- Diamond coated

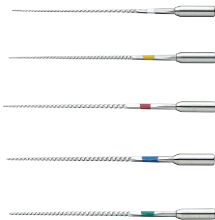
V-TIP System



NSK V-Tip system is innovative, multi-functional and economical. The V-Tip holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced. NSK V-Tip holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.

Endodontics

P135



S75
120° Angle type

Maintenance

P131

- For Prostheses or Implant Maintenance
- Perio-Control



S35
Straight

Endodontics V-Tip



V-Tip Holder



MODEL	ORDER CODE
S75	Z252035

- Includes E-Tip replacement wrench

MODEL	ORDER CODE
V-U15	Y900177

- V-file Irrigation 23 mm #15
- ISO 15 • Pack of 6

MODEL	ORDER CODE
V-U20	Y900178

- V-file Irrigation 23 mm #20
- ISO 20 • Pack of 6

MODEL	ORDER CODE
V-U25	Y900179

- V-file Irrigation 23 mm #25
- ISO 25 • Pack of 6

MODEL	ORDER CODE
V-U30	Y900180

- V-file Irrigation 23 mm #30
- ISO 30 • Pack of 6

MODEL	ORDER CODE
V-U35	Y900181

- V-file Irrigation 23 mm #35
- ISO 35 • Pack of 6

Prophy-Mate neo



Prophy-Mate neo, The Best Polishing Tool for Beautiful White Teeth

Supragingival powder polishing is highly effective when used in combination with "FLASH pearl." NSK's unique twin nozzle achieves powerful powder discharge. The long and slim handpiece in conjunction with the small nozzle tip dramatically improves accessibility around all tooth surface. Cleaning can be performed quickly even in interproximal areas teeth and in usually difficult to reach areas. The ergonomically designed grip is comfortable to hold and allows for flexible operation.

Improved Polishing Power

With NSK original twin nozzles, greater polishing power is realized. With powerful jet, cleaning time is greatly shortened thus reduces treatment time.



Before

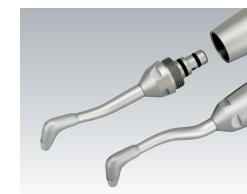


After



Easy Detachable Nozzles with 60° and 80°

Selectable 60° and 80° nozzles maximize the cleaning ability. 60° nozzle works especially well for molar area and occluding surface and 80° nozzle for anterior tooth.



Smooth, Easy 360° Swivel

Twin joints rotate smoothly 360 degrees for easy operability, responding flexibly to minute fingertip movements with effortless adjustment of the nozzle angle.



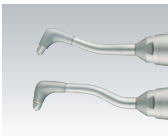
Simple One-touch Connection

The Prophy-Mate neo is designed for a one-touch attachment to NSK couplings and other major coupling brands. The handpiece also can be attached to the powder case with one-touch operation.



Prophy-Mate neo

Air Powered Tooth Polishing System



60° and 80° nozzles



Prophy-Mate neo Complete System

	MODEL	ORDER CODE
NSK Coupling	PMNG-PTL-P	Y135029
KaVo® Coupling	PMNG-KV-P	Y135030
Sirona® Coupling	PMNG-SR-P	Y135031
W&H® Roto Quick	PMNG-WH-P	Y135032
Bien-Air® Unifix®	PMNG-BA-P	Y135033
Midwest 4 hole (Direct-connect / Screw-on Type)	PMNG-M4-P	Y135034
Midwest 4 hole (Direct-connect / Screw-on Type)	PMNG-B2-P	Y135035

■ No light during use (when using optic coupling).

Contents

- Handpiece with 60° nozzle head
- Powder case
- Replacement nozzle head 80° (optional)
- 5 pcs. x 15 g sachets of FLASH pearl cleaning powder
- Maintenance kit

FLASH pearl

Cleaning Powder

Features

- Fast cleaning in tight spaces
- Zero salinity, gentle ingredients with low impact on patients
- Clogging is also minimized



MODEL	ORDER CODE
FLASH pearl	Y900693

- Stylishly packaged in a handy, original box
- Contains 100 x 15 g sachets

MODEL	ORDER CODE
FLASH pearl (Bottle)	Y900698

- 4 bottles packed in a box
- Comes with a measuring cup for your convenience
- Each bottle contains 300 g

Outstanding Cleaning Results with Gentle Powder

Not salty! The powder has less impact due to the delicate flavour and provides patients with gentle tooth surface cleaning. The secret behind intense cleaning and a smooth finish? Calcium-based spherical particles.

Fine powder with an average particle size of 54 µm move as if rolling across the surface of the tooth, limiting damage to the tooth surface and rapidly removing plaque and staining.

The FLASH pearl treatment is effective in a short space of time which encourages patients to schedule regular cleaning appointments.

Sparkling Results Every Time

FLASH pearl, a cleaning powder for Prophy-Mate neo and Varios Combi Pro, is a spherical particulate powder designed to roll smoothly over tooth surfaces and penetrate all corners for rapid cleaning.

The spherical shape of the powder granules lessens the likelihood of damage to teeth and soft tissue while removing stains and plaque quickly and safely.

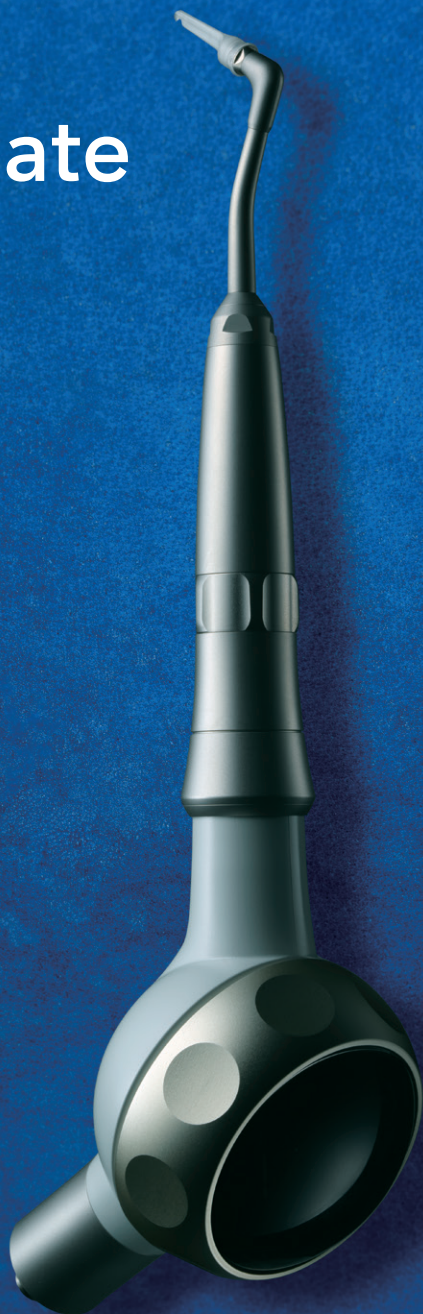
■ Adverse reactions to this product are rare.



The surface of the tooth after powder polishing under an electron microscope



Perio-Mate



Extensive Range of Applications Ranging from Supragingival to Subgingival Use

Flexible Plastic Nozzle Tip Design Ensures Accessibility and is Gentle to The Pocket

The slim nozzle tip possesses just the right degree of flexibility to pass smoothly over tooth surfaces, and can be easily inserted into tight pockets and the root surfaces of adjacent teeth without causing the patient discomfort.



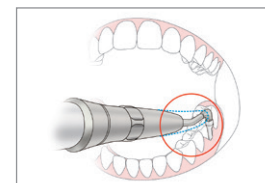
Optimize Using Powder Flow Analysis

Turbine development technology uses accumulated fluid analysis which allows 'spraying' that takes into account the powder flow in the pocket. It is not mono-directional, rather the flow is even and all-directional, minimising soft-tissue damage and subgingival plaque and biofilm can be removed efficiently. With respect to potential damage, powder (air) and water are separately discharged onto periodontal tissue.



Slim Nozzle Facilitates Operation in The Narrow Confines of The Oral Cavity

The long, narrow nozzle shape is designed to allow easy access to areas that require inserting the handpiece at an angle, such as between molars.



Smooth 360-degree Rotation for Safe and Accurate Operation

The handpiece can easily be rotated using the fingertips even while performing complex operations. The nozzle tip allows easy access to difficult to reach areas, and does not adversely affect neighbouring teeth and contours.



Powder Flow Volume Adjustment

The Perio-Mate's convenient Powder Control Ring makes fine-tuning powder flow simple and intuitive with quick fingertip adjustments. In addition to easily controlling and stopping the flow of powder in this way, you can cleanse the treatment area from biofilm uninterruptedly.



Product Maintenance

The user can easily disassemble the nozzle, handpiece and powder case. Powder clogging is unlikely when handled and maintained correctly but is easy to manage by following the maintenance guidelines and the relevant accessories included with the product. All the parts of the handpiece (other than the nozzle tip) can be repeatedly cleaned ultrasonically or sterilized in an autoclave.



Perio-Mate

Biofilm Eraser



Perio-Mate Complete System

	MODEL	ORDER CODE
NSK Coupling	PER-PTL-P	Y1002654
KaVo® Coupling	PER-KV-P	Y1002655
Sirona® Coupling	PER-SR-P	Y1002656
W&H® Roto Quick	PER-WH-P	Y1002657
Midwest 4 hole (Direct-connect / Screw-on Type)	PER-M4-P	Y1002659
Borden 2 hole (Direct-connect / Screw-on Type)	PER-B2-P	Y1002660

Contents

- Handpiece
- Powder case
- Nozzle tip (40 pcs)
- Maintenance kit
- Perio-Mate Powder 160 g x 1

■ No light during use (when using optic coupling).

Do not wash the powder case or the powder case's cap in a thermos-disinfector.



The handpiece can be washed in the thermos-disinfector

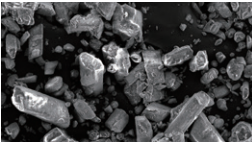


Autoclavable up to 135°C

Perio Mate Powder

Powder Particle Comparisons

The fine Perio-Mate Powder is ideal for periodontal pocket treatment.

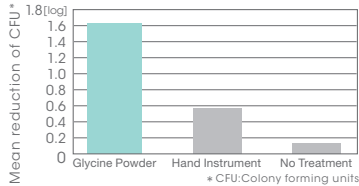


Conventional Sodium Bicarbonate Powder
Average particle diameter: 73 µm
Scanning electron microscope image magnification of 150 X



Perio-Mate Powder (glycine)
Average particle diameter: 25 µm
Scanning electron microscope image magnification of 150 X

Reduction of Bacteria



The air-polish process with Perio-Mate Powder (glycine-based) results in significantly better bacterial reduction than manual plaque removal.

Petersilka GJ, Tunkel J, Barakos K, Heinecke A, Häberlein I, Flemmig TF. Subgingival plaque removal at interdental sites using a low-abrasive air polishing powder. J Periodontol. 2003 Mar;74(3):307-11.

Features

- Subgingival airpolishing powder
- Principal ingredient is glycine, an amino acid present in proteins
- Highly water soluble to prevent subgingival retention
- Lower Mohs hardness than dentin
 - * Glycine ranks 2 on the Mohs hardness scale, while dentin is 2 to 2.5
- Average powder particle diameter is 25 µm

MODEL	ORDER CODE
Perio Mate Powder	Y900938

- Contents : Two bottles (160 g each)



Perio Mate Nozzle Tip



MODEL	ORDER CODE
Perio Mate Nozzle Tip	Y1002741

- 40 pcs per pack



ENDODONTICS

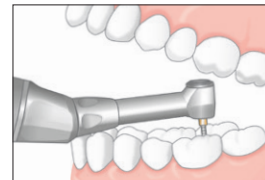
ENDO-MATE TC2

Stress free for more comfort

Cordless handpiece delivers freedom of movement. Lightweight, ergonomic design.

Mini head & Slim neck

Miniature head allows access even to the most difficult to reach areas. Slim neck assures higher visibility.



Safety for delicate endodontic treatment

Smart Auto Reverse & Alarm Function for safer endodontic procedures. The feedback circuit keeps stable rotation even when the load on the motor handpiece changes. Power turns off automatically to improve safety and save energy. Calibration function for more precise rotation speed and torque setting.



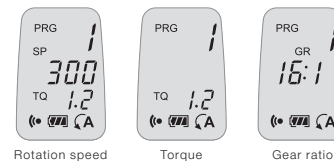
Specifications

- Power Supply : AC 230 V 50/60 Hz and Battery pack
- Number of Programs : 5
- Max. Torque : 4 Ncm (when using 20:1 head)
- Charge/Continuous use: 90 min / 1.2 h (depending on workload)
- Speed range : 100-2,250 min⁻¹ (With 20:1, 16:1, 10:1, 4:1 geared heads)

Program function

User definable 5 presets - Speed, Torque, Gear Ratio & Auto Reverse mode. Last program settings can be memorized when the power turns on.

▼ Program function



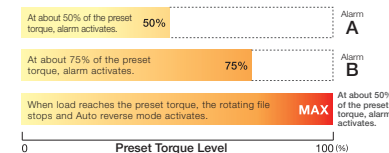
Rotation speed

Torque

Gear ratio

Two kinds of alarm sound for safer and efficient treatment

Alarm enables operators to prevent to put too much burden on files, realizing less metal fatigue.



ENDO-MATE TC2 Complete Set

MODEL	ORDER CODE
ENDO-MATE TC2 (230V)	Y1001027

Contents :

- MP-F16R Head
- ENDO-MATE TC2 Motor
- Battery Charger

ENDO-MATE TC2 without Head Set

MODEL	ORDER CODE
ENDO-MATE TC2 without Head Set (230V)	Y1001316

Contents :

- ENDO-MATE TC2 Motor
- Battery charger

ENDO-MATE TC2 Complete MPAS Set

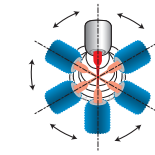
MODEL	ORDER CODE
ENDO-MATE TC2 MPAS (230V)	Y1001047

Contents :

- MPAS-F16R Head
- ENDO-MATE TC2 Motor
- Battery charger

ENDO-MATE DT

smart & portable



6 head angles for ease of treatment

Depending on the position of treatment site, the head angle can be adjusted to the best angle.



Quick coupling

Quick coupling allows for easy head exchange.
All heads are autoclavable up to 135°C.



2-way ON/OFF switch

Features are :

- A: Push and release - Micromotor operates continuously until the button is pushed again.
- B: Push and hold - Micromotor operates continuously until the button is released.

Auto reverse function

The auto reverse function activates when the preset torque level has been reached.

2 way power source

ENDO-MATE DT has been designed to work with a rechargeable battery for portable use or can be powered using the AC adaptor supplied.

Other function

Beeping sound notifies user when preset torque limit has been reached.



Specifications

- Power Supply : AC 230 V 50/60 Hz and Battery pack
- Number of Programs : 9
- Max. Torque : 7 Ncm (when using 20:1 head)
- Charge / Continuous use : 5 h / 2 h (depending on workload)
- Speed range : 100-13,000 min⁻¹ (with 20:1, 4:1, 1:1 geared heads)
- Dimensions : W 92 x D 148 x H 124 mm
- Weight : Unit 456 g / Motor handpiece & cord 92 g

ENDO-MATE DT with 20:1 Head

MODEL	ORDER CODE
ENDO-MATE DT (230V)	Y141121
• Control unit • Motor and Cord • MP-F20R head (20:1) • Handpiece stand • AC Adaptor	

ENDO-MATE DT without Head

MODEL	ORDER CODE
ENDO-MATE DT W/O (230V)	Y141124
• Control unit • Motor and Cord • Handpiece stand • AC Adaptor	

ENDO-MATE DT Complete MPAS Set

MODEL	ORDER CODE
ENDO-MATE DTMPAS Set (230V)	Y1001161
• Control unit • Motor and cord • AC adaptor • Handpiece stand • MPAS-F20R head (20:1)	

ENDO-MATE AT

For use with all brands
of Ni-Ti files



Fits all major brands of Ni-Ti files

9 preset settings (speed and torque etc) are available and can be programmed simply by pushing the memory function button. Moving between each preset program is easy and allows application of the handpiece with all major Ni-Ti File manufacturer's required settings.

Gear	Head Speed (min ⁻¹)
20:1	100-650
16:1	125-800
10:1	200-1,300
4:1	500-3,200
1:1	2,000 ~13,000

Auto reverse function

The auto reverse function activates when the preset torque level has been exceeded and can be set to operate in the following.

Improved visibility

The extra slim head and body design greatly improves direct and indirect visibility to the operational field, even when applied to difficult access areas.



Stress free for more comfort

The slim and light weight handpiece has been created for ergonomic hand comfort during extended operational use when very fine movement is particularly necessary. The two way On/Off switch is immediately responsive and always accessible.

Compact Stylish Control Pad

Endodontic procedures are expedited and accuracy is assured due to features such as the non reflective LCD screen - designed for full visibility and delivering immediate confirmation of control settings. The clear icon system is designed to confirm operator confidence when changing settings prior to a procedure.

ENDO-MATE AT with 16:1 Head

MODEL	ORDER CODE
ENDO-MATE AT (230V)	Y1002190

Contents :

- Control Unit, Motor Handpiece
- Contra-angle Head (iFX75)
- Handpiece Stand
- AC Adaptor

Specifications

- Power Supply : AC 230 V 50/60 Hz
- Number of Programs : 9
- Max. Torque : 7 Ncm (when using 20:1 head)
- Speed range : 100-13,000 min⁻¹
- Dimensions : W 268 x D 230 x H 103 mm
- Weight : 342 g (including Motor handpiece)



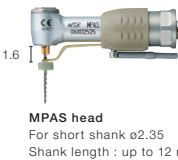
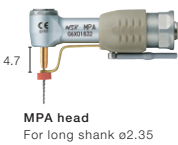
*Files are not included.

ENDO-MATE TC2 / ENDO-MATE DT / ENDO-MATE AT Heads

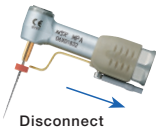
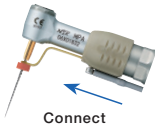
Apex Locator Capability

MPA and MPAS heads are equipped with built in probe ring which enable to use your Apex locator with the ENDO-MATE TC2 & DT2 systems. By combining an Apex Locator with NSK ENDO-MATE TC2 & DT2, clinicians will be able to perform more accurate root canal preparations. All contra angle heads are autoclavable up to 135°C.

2 types of file holders are available relevant to the shank length of the file selected.



Attach the Apex Locator Monitor by moving it forward to contact the file. Release by moving away from the file.



Suitable for Use with Most Major Brands of Ni-Ti Files

Rotation Speed (min ⁻¹)	Gear Ratio	Torque Level (Ncm)
200 ~ 900	10 : 1	0.2 ~ 2.2
140 ~ 550	16 : 1	0.3 ~ 3.0
100 ~ 450	20 : 1	0.4 ~ 4.0

- Miniature Head
- For Ni-Ti files (ø2.35)
- Push Button Chuck



	MODEL	ORDER CODE
20:1 Reduction	MP-F20R	Y110044
16:1 Reduction	MP-F16R	Y110096
10:1 Reduction	MP-F10R	Y110048



	MODEL	ORDER CODE
16:1 Reduction	MPA-F16R	Y110097

- Connection for Apex locator (for long shank)



	MODEL	ORDER CODE
20:1 Reduction	MPAS-F20R	Y110046
16:1 Reduction	MPAS-F16R	Y110098

- Connection for Apex locator (for short shank)



	MODEL	ORDER CODE
16:1 Reduction	iFX75	C1098001

- Miniature Head
- Stainless Steel Body
- 360° Rotation
- For Ni-Ti files (ø2.35)
- Push Button Chuck

iPexII

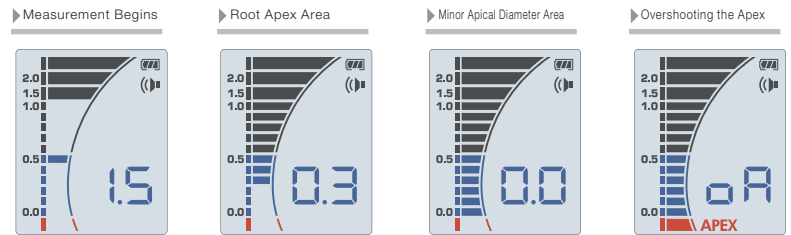


Next-Generation SmartLogic Controller

NSK's SmartLogic controller combines two advanced technologies to accurately analyse signals. iPexII SmartLogic technology removes virtually all signal interference from the root canal itself to precisely detect the location of the apex.

- iPexII SmartLogic alternates between two separate frequencies to take measurements. By reducing the noise that interferes with signal analysis, it generates a high-precision wave system that does not require a filtering circuit.
- iPexII SmartLogic uses the whole wave system to analyse the extracted frequency. This produces steady measurement analysis even under varying conditions in the root canal while retaining a constant link to file insertion progress.

The 3 Colour LCD Visual Monitor Screen



Monitoring the Canal Depth

For integration into Endodontic instruments (ENDO-MATE TC2 / ENDO-MATE DT / Contra-angle)
The NSK endodontics products and iPexII ensure safe, precise and efficient root canal procedures.



iPexII Complete Set

MODEL	ORDER CODE
iPexII Complete Set	Y1002208

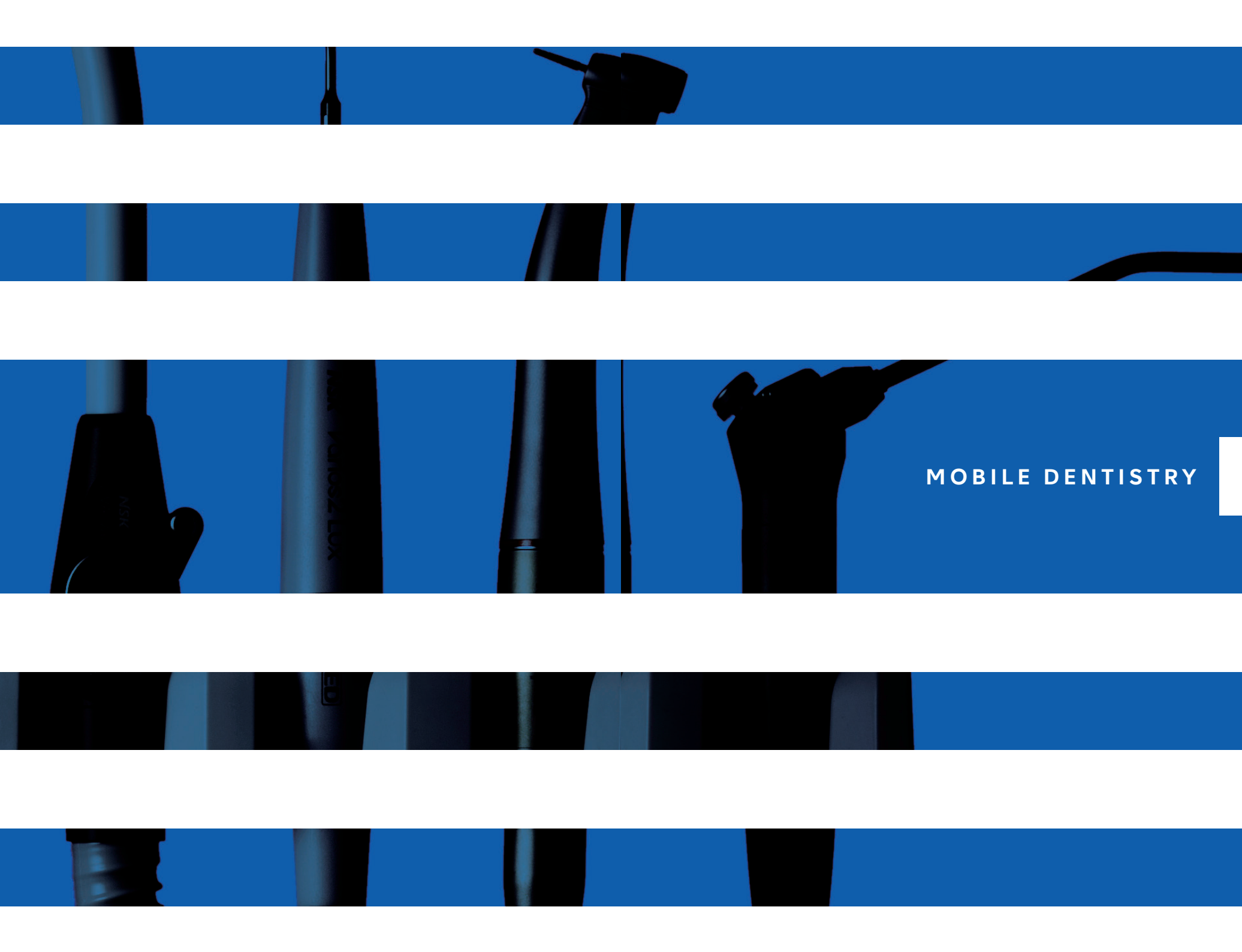
Contents • Control unit • iPexII Probe (1.8 m) • iPexII File Clip (3 pcs.) • Lip Hook (3 pcs.)
• AAA manganese dry batteries (3 pcs.) • iPexII Tester

Specifications

- Power Supply: for 1.5 V AAA (LR03 or R03) batteries • Continuous use: Approx. 60 h
- Dimensions: W 60 x D 60 x H 86 mm • Weight: 76 g (unit without batteries)

Features

- High-precision root canal measurement generated by using SmartLogic
- Auto-detects the apex accurately in any conditions, dry or wet
- A stylish and compact body requiring only a small space
- 3 different alert sounds depending on the location of the file tip, ensuring precise procedures
- A 3 colour LCD panel with very low reflectivity, allowing clinicians to accurately and instantly monitor procedure progress
- Energy saving and low operation cost



MOBILE DENTISTRY

VIVA ace

Wherever Possible

For more comfortable & more advanced home visits for dental treatment

As societies age more rapidly, there is an ever greater need for mobile dental treatment. Today's ageing population keeps more of their natural teeth, which means a wider range of treatments is required nearer to the patient. VIVA ace combines the functionality of a dental treatment centre in a compact body with multipurpose micromotor, ultrasonic scaler and more. Its lightweight build means it is easy to carry and straight forward to set up in different locations. The first of its kind with high-functionality, supports more comfortable dental treatment wherever the patient.



Lightweight and Compact Body



High Functionality, Just Like a Treatment Centre



Straight Forward Set-up and Breakdown



Lightweight and Compact Body

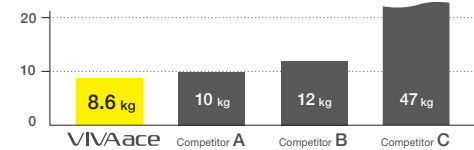
Highly manoeuvrable and lightweight, weighing only 8.6 kg. Its compact size is ideal for stowing in a car, is easily carried up and down stairs and fits into compact spaces. Simple to transport from one patient to another.

The small size has been achieved by making each component lightweight and compact without compromising functionality.

All-in-one Package

A micromotor, ultrasonic scaler, 3 in 1 syringe and suction combined in a single compact body including storage space for all instruments.

Lightweight at 8.6 kg ,* it can be Taken Anywhere.



*Weight without handpieces





Highly Functional Portable Dental System Just Like a Treatment Centre

Excellent efficiency and safety are achieved via both the intuitive and highly visible large LCD control panel and the superb functionality provided by each individual instrument. A high functionality system just like a treatment centre.

Advanced Functionality in a Compact Body



Photos are of optional extras.

High Functionality Micromotor

Full endodontic functionality



NLXplus

Ideally suited for all requirements of state of the art dentistry

	Rotation speed (min ⁻¹)	Torque (Ncm)
General mode	1,000~40,000	4.0
Endodontic mode	100~5,000	0.3~3.0

3 in 1 syringe



Lightweight and simple operating 3 in 1 syringe. The syringe nozzle uses a simple quick release mechanism.

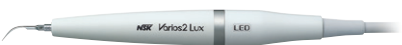
Light Probe (optional)



isoE-LUX

Multipurpose Ultrasonic Scaler

Comprehensive tip range



Varios2 Lux

NSK iPiezo ultrasonic engine

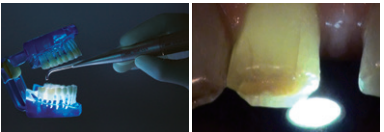
Provides the appropriate power at the tip end adapting to tooth conditions for firm or soft tartar. Safe scaling is possible even when removing hard tartar.

Suction



Built in ball lever valve to adjust suction power.

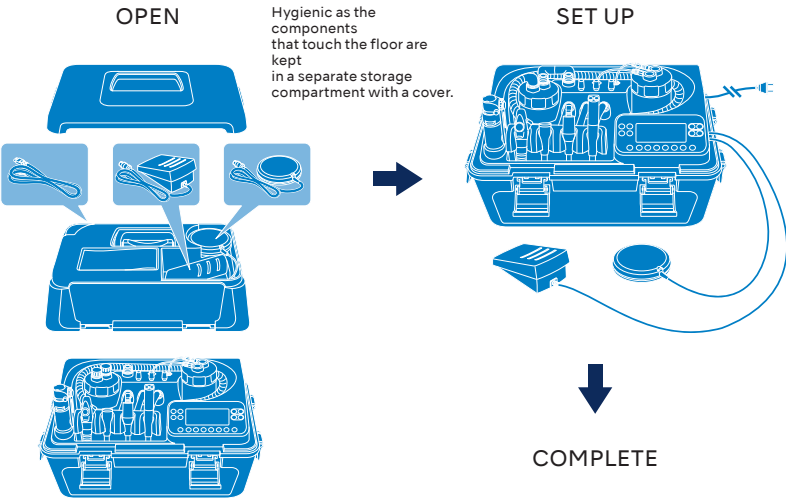
Bright illumination of the oral cavity in any treatment environment. Good accessibility with a slim body that also makes it possible to access hard-to-see areas.





Quick Set up and Storage

Set up and storage is straight forward, simple and quick, making work more efficient and easier. The instrument holders and arm can be set at 4 different levels.



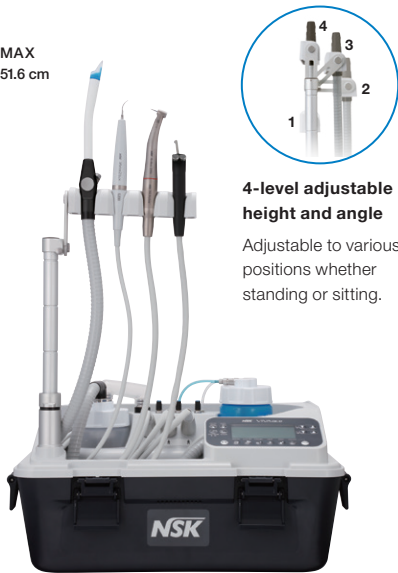
Storage is simple

Remove the handpieces for easy storage.



Very easy to maintain

MAX
51.6 cm



4-level adjustable height and angle

Adjustable to various positions whether standing or sitting.

VIVA ace



MODEL	ORDER CODE
VIVA ace 230 Complete Set	Y1003773

Contents

- VIVA ace 230 Basic Set
- VIVA ace Motor Kit
- VIVA ace Scaler Kit

Specifications (Control unit)

- Dimensions : W 462 × D 298 × H 284 mm
- Unit weight : 8.6 kg
- Power Supply : AC 100-240 V 50/60 Hz
- Power source input : 130 VA



MODEL	ORDER CODE
VIVA ace 230 Basic Set	Y1003774

Contents

- Control unit
- AC Power Cord
- Foot Control (FC-76S)
- Foot Control (FC-70S)
- Top Case
- V-ace Vacuum Hose Set
- V-ace Vacuum Bottle Set
- V-ace Vacuum Nozzle (10)
- V-ace Water Bottle Set
- V-ace 3 way Syringe Set
- Shoulder Belt



MODEL	ORDER CODE
VIVA ace Motor Kit	E1040002

Contents

- Motor NLX plus
- Motor Cord
- Motor Cap
- Protection Plug



MODEL	ORDER CODE
VIVA ace Scaler Kit	E351006

Contents

- VA2-LUX Handpiece
- Scaler Cord
- Tip (G6, G8)
- Tip Wrench
- Tip Holder

VIVAMATE G5



**Portable LED Micromotor;
From Denture Adjustment to General Applications**

Internal Spray LED Micromotor



The compact size micromotor has been specifically developed for mobile dentistry and weighs only 148 g (w/cord) and features internal spray and LED light. Although fully portable it performs like an in-surgery system meeting a wide range of clinical requirements and is compatible with your existing contra-angles and straight handpieces^{*1} helping you to manage the cost of a mobile dentistry set-up.

^{*1} Conformable to ISO 3964.



^{*2} Including Motor Cord

Able to Use Both Rechargeable Battery and AC Adaptor for The Compact Control Unit

Able to operate with rechargeable batteries anywhere. When battery power level is low, just plug in AC adaptor into outlet; bring the unit to patient visits without worry. It is very easy to carry since the control unit is palm-size (W 72 x D 180 x H 36 mm) and weighs only 370 g.

Foot Control (Optional)

Conveniently adjust the motor speed by depressing the pedal of the foot control without taking your eyes of the treatment.



Carrying Case

Comes with a carrying case designed for storing VIVAMATE G5 unit and its attachments.



VIVAMATE G5 Complete Set

MODEL	ORDER CODE
VIVAMATE G5 230V	Y1002801

Contents

- Control unit
- Handpiece Stand
- Motor (Including Motor Cord)
- AC Adaptor
- AC Power Cord
- Carrying Case

Specifications

[Control Unit]

- Dimensions : W 72 x D 180 x H 36 mm
- Weight : 370 g Charge/Continuous use : 2 h / 1 h (depending on workload)

[Micromotor]

- Dimensions : ø22 x L 68.6 mm
- Weight: 148 g (Include Motor cord)
- Speed: 3,000-30,000 min⁻¹
- Torque: 3 Ncm (30,000 min⁻¹ while rotating)

VIVAsupport 2



SYNC MODE Synchronization with the irrigation function

When VIVAsupport 2 is combined with VIVAMATE G5, which is equipped with an internal spray LED micromotor, and Varios 370, compact ultrasonic scaler, user can operate (turn on / off) the irrigation function in synchronization with the motor and scaler, using the foot control (optional). The user can easily adjust and select between five levels of irrigation depending on clinical requirements by using the Irrigation Adjustment Key.



Excellent portability and mobility

The light weight, compact and durable carrying case can accommodate VIVAsupport 2, VIVAMATE G5 and Varios 370.



Significant decrease in set-up time

VIVAsupport 2's design allows for treatment to commence almost as soon as transport case is opened. Only a few simple steps are required to get system ready for treatment.

Large-capacity bottles for irrigation and suction

Tubes and connections can be easily assembled and disassembled. The dedicated bottles can be easily maintained, meet the needs of mobile dentistry.





VIVAsupport 2 Complete Set

MODEL	ORDER CODE
VIVAsupport 2	Y1002802

- Contents :
- VIVAsupport 2 Control unit • AC adaptor • AC Cord
 - VS Irrigation Bottle Set 400 • VS Saliva Bottle Set 400 • Junction Cable • VS Irrigation Tube • VS Saliba Tube • Saliva Tube
 - VS Irrigation Pump • Disposable Saliva Ejector (Pack of 10) • Tube Clamp Set (Pack of 6) • VS Saliva Bottle connection Tube
 - Saliva Drain Tube • VS Carrying Case • VS Tray

Specifications

- Power Supply : AC 100-240 V 50/60 Hz • Battery recharge time : appx. 2 hours.* • Battery contentious drive time : appx. 2 hour.*
- Capacity of tank : 350 mL (for irrigation and saliva ejection) • Suction of the pump : 300 mL/min
- Dimensions : W 147 x D 188 x H 98 mm (VIVAsupport 2 Control unit) W 460 x D 265 x H 233 mm (VS Carrying Case)
- Weight : 3.5 kg (VIVAsupport 2 Complete Set)

*Varies depending on usage situations.



VIVAMATE G5 + VIVAsupport 2 Long Bottle Set

MODEL	ORDER CODE
VIVAMATEG5+VIVAsupport2 230V	Y1002987

- Contents :
- VIVAMATE G5 Control unit • VIVAsupport 2 Control unit • Handpiece Stand • Motor (including Motor Cord)
 - AC Adaptor x 2 (for VIVAMATE G5 and VIVAsupport 2) • AC Cord x 2 • Foot Control (FC-76M) • Carrying case
 - VS Long irrigation / saliva Bottle (1,000 mL) • Junction Cable • VS Irrigation Tube • VS Saliba Tube • Saliva Tube • VS Irrigation Pump
 - Disposable Saliva Ejector (Pack of 10) • Tube Clamp Set (Pack of 6) • VS Saliva Bottle connection Tube • Saliva Drain Tube
 - VS Carrying Case • VS Tray

Specifications

- VIVAMATE G5**
[Control Unit]
- Power Supply : AC 100-240 V 50/60 Hz • Dimensions : W 72 x D 180 x H 36 mm • Weight : 370 g
 - Battery recharge time : appx. 2 hours.* • Battery contentious drive time : appx. 1 hour.*
- [Micromotor]
- Dimensions : ø22 x L 68.6 mm • Weight : 148 g (include Motor cord) • Speed : 3,000-30,000 min⁻¹
 - Torque : 3 Ncm (30,000 min⁻¹ while rotating)
- VIVAsupport 2**
- Power Supply : AC 100-240 V 50/60 Hz • Battery recharge time : appx. 2 hours.* • Battery contentious drive time : appx. 2 hour.*
 - Capacity of tank : 1,000 mL (for irrigation and saliva ejection) • Suction of the pump : 300 mL/min
 - Dimensions : W 147 x D 188 x H 98 mm (VIVAsupport 2 Control unit)
W 460 x D 265 x H 233 mm (VS Carrying Case)
 - Weight : 3.5 kg (VIVAsupport 2 Complete Set)

*Varies depending on usage situations.



SURGICAL

Surgic Pro2 × VarioSurg 3



SYNERGY IN IMPLANTOLOGY

Link 2 Systems

Surgic Pro2 and VarioSurg 3 Generating Synergies Through Link Function

The Link function allows operation between the Surgic Pro2 oral surgery and implant micromotor system and the VarioSurg 3 ultrasonic bone surgery system using a single foot control. A common interface controls each system, allowing synergy in diverse surgical procedures and greatly streamlining treatment. Each system is available separately and is easily linked as required, making the system expandable and very affordable.



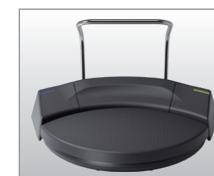
Link Function Easily Connects Two Systems

The Link function is easy to set up. Just connect the Surgic Pro2 and VarioSurg 3 units with the link cable. The two systems can be installed together using the compact Link Stand.



Link Stand2

With the NSK link stand the two units can be safely stacked to save space.



Hands-free Program Adjustments Via Foot Control

The two systems can be operated using the single foot control which offers hands-free operation of functions such as ultrasonic wave ON/OFF, forward and reverse selection, coolant flow selection and program selection.



Large and Clear Display for Enhanced Safety

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.

Surgic Pro+ × VarioSurg 3



SYNERGY IN IMPLANTOLOGY

Two linked surgical systems that use a single foot control.
A brand new approach to implant and surgical treatment.

Link 2 Systems

Surgic Pro and VarioSurg 3 Generating Synergies Through Link Function

The Link function allows operation between the Surgic Pro oral surgery and implant micromotor system and the VarioSurg 3 ultrasonic bone surgery system using a single foot control. A common interface controls each system, allowing synergy in diverse surgical procedures and greatly streamlining treatment. Each system is available separately and is easily linked as required, making the system expandable and very affordable.



Link Function Easily Connects Two Systems

The Link function is easy to set up. Just connect the Surgic Pro and VarioSurg 3 units with the link cable. The two systems can be installed together using the compact Link Stand.



Hands-free Program Adjustments Via Foot Control

The two systems can be operated using the single foot control which offers hands-free operation of functions such as ultrasonic wave ON/OFF, forward and reverse selection, coolant flow selection and program selection.



Large and Clear Display for Enhanced Safety

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.



Surgic Pro+

The Professional Choice

NSK offers advanced technology to greatly enhance clinical performance. Surgic Pro is compact, lightweight and powerful to reliably deliver everything that professionals demand.

Calibration

NSK's Drive for Accuracy Ensures Safe Treatment Through Accurate Torque Correction



Maintaining Accurate Torque with AHC

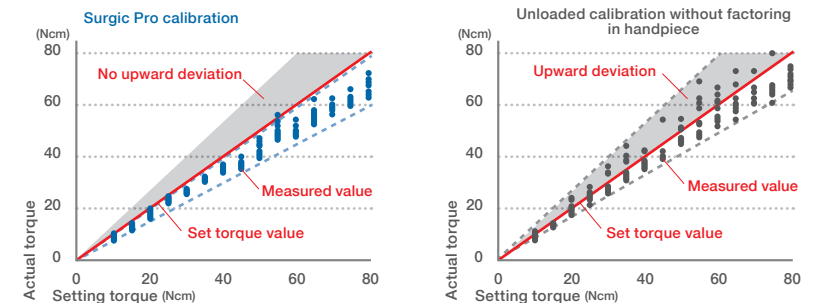
NSK's proprietary Advanced Handpiece Calibration (AHC) ensures the correct torque value required for specific treatments.

There is normally a small misalignment between pre-set and actual torque values owing to friction between bearings and contra-angle gear. AHC corrects this misalignment to guarantee accurate torque values.

High-precision Calibration

Unloaded, loaded and speed level adjustments improve the precision of calibration, which can be according to handpiece usage.

NSK's Safe Calibration Approach Factors in Handpiece Usage Conditions



An Advanced Surgical Motor for Demanding Clinical Environments

NSK developed the Surgic Pro SGL70M by analyzing feedback from clinicians to ensure that this 5th generation surgical micromotor satisfies professional requirements. The light and compact Surgic Pro SGL70M features an LED light for high visibility, with up to 80 Ncm of torque for diverse surgical procedures, paving the way for an advanced treatment environment.



Well-balanced, with a Compact and Lightweight Micromotor

Streamlining efforts reduced the size by 16.2 mm and the weight by 42 g to improve balance during use the Surgic Pro motor, greatly reducing any strain on clinicians.

LED Optics for Safer, More Accurate Treatment

NSK LEDs generate natural daylight-quality light to illuminate the treatment area, enabling more precise surgery and shortened operation times. The lights increase safety because they do not overheat and are long-lasting.



Optic	MODEL	ORDER CODE
●	SGL70M	E1023
—	SG70M	E1025

- Solid titanium body
- with Cord 2 m

Compact Body and Large LCD Display

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute a safer and user friendly working environment.



Advanced Irrigation Pump

The pump allows easy set-up of irrigation tubes and is extremely quiet during operation.

Memorises Eight Different Implant Systems

The Surgic Pro memorises eight different implant systems and a total of 64 programs. The programmable parameters are gear ratio, speed, rotation direction, torque limit, coolant solution volume and illumination intensity. This is extremely useful when using two or more implant brands. Once you complete programming, simply push a button to call procedures up.

Data Log Function

The Surgic Pro's data log function can record and store speed, torque values, and other patient treatment data. Such efficient data management helps ensure safe clinical practices.

*Maximum internal memory capacity is 100 minutes

Data Management

Treatment data can be easily accessed and downloaded using a USB stick. Files can be transferred and added to patient records.

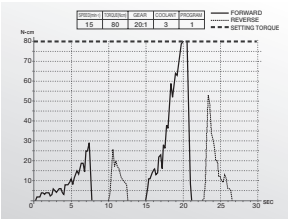


*USB memory stick not included.

Easy Treatment Data Handling

No specific software is required to display CSV or bitmap files.

*File formats : csv or bmp



Surgic Pro+



Surgic Pro+ Complete Set with X-DSG20L Optic Handpiece

Optic	MODEL	ORDER CODE
●	Surgic Pro + OPT-D (230V)	Y1002096

- Contents
- Control Unit with data storage facility
 - SGL70M LED Micromotor
 - FC-78 Foot Control
 - X-DSG20L Optic Handpiece (20:1 Reduction)
 - Irrigation tube (5 pcs.) and other accessories

Surgic Pro Complete Set with SG20 Handpiece

Optic	MODEL	ORDER CODE
—	Surgic Pro NON-OPT (230V)	Y1001934

- Contents
- Control Unit without data storage facility
 - SG70M Non-Optic Micromotor
 - FC-78 Foot Control
 - SG20 Handpiece (20:1 Reduction)
 - Irrigation tube (5 pcs.) and other accessories

Surgic Pro Complete Set with X-SG20L Optic Handpiece

Optic	MODEL	ORDER CODE
●	Surgic Pro OPT (230V)	Y1001933

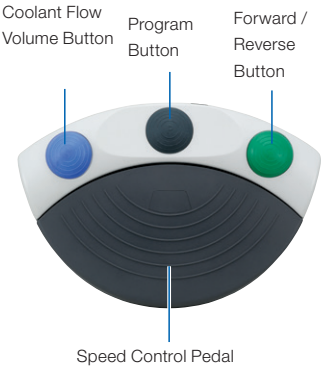
- Contents
- Control Unit without data storage facility
 - SGL70M LED Micromotor
 - FC-78 Foot Control
 - X-SG20L Optic Handpiece (20:1 Reduction)
 - Irrigation tube (5 pcs.) and other accessories

Specifications

Control Unit with AHC	
• Power Supply	: AC 230 V 50/60 Hz
• Max. Pump Output	: 75 mL/min
• Programs	: 8 Programs / Implant Systems
• Dimensions	: W 265 x D 220 x H 100 mm
Micromotor	
• Torque	: 5-80 Ncm
• Motor Speed	: 200-40,000 min ⁻¹
• Light Power (LED Micromotor)	: over 32,000 LUX
Foot Control	
• Foot Control Functions : Program Button, Speed Control Pedal	
Coolant Flow Volume Button	
Forward / Reverse Button	

Foot Control

The Foot Control is user friendly and allows operation of all functions within the preset parameters without touching the control panel to avoid accidental activation of the micromotor outside the preset limits. The Surgic Pro/Surgic Pro+ is certificated according to IPX8.



MODEL	ORDER CODE
FC-78	Z1102001
FC-78 (3.5m)	Z1102002
• With 2 m cord • With 3.5 m cord	

Handle Set (Optional)

Easy to attach foot control handle. Hanger can easily be moved with the foot control.



MODEL	ORDER CODE
Handle Set	Z1027001

Optional

Carrying Case

The NSK Carrying Case can accommodate all Surgic Pro components as well as the optional sterilization cassette.



MODEL	ORDER CODE
Carrying Case (Surgic Pro)	Y1001952
• Dimensions : W 534 x D 427 x H 207 mm	

iCart Duo

Install the control unit and accessories on the cart.



MODEL	ORDER CODE
iCart Duo	S9090
• Dimensions : H 101.65 cm	
• Weight : 16.5 kg	

Implant Handpieces

Dismantlable Contra-angle Handling up to 80 Ncm of Torque



Ti-Max X-DSG20L



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹

Dismantling Surgical Handpiece

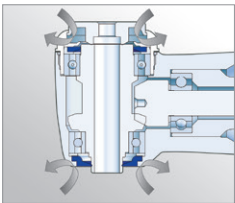


	Optic	MODEL	ORDER CODE
20:1 Reduction	●	X-DSG20L	C1068
	—	X-DSG20	C1067



Easy to Disassemble and Clean

The DSG20 contra-angle can be disassembled with a simple twist for easy internal cleaning. NSK's unique locking mechanism prevents accidental disassembly during operation.



Double Sealing System

NSK's unique double sealing system prevents blood and other contaminants from entering the instrument head to ensure longevity of the instruments.



Can be use
up to 80 Ncm



Washable in the
thermodisinfectant



Autoclavable
up to 135°C

Implant Handpieces

Ti-Max X-SG20L



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹



	Optic	MODEL	ORDER CODE
20:1 Reduction	●	X-SG20L	C1003

Ti-Max X-SG93L



- Triple Spray
- Titanium Body with Scratch Resistant DURACOAT
 - For FG burs (ø1.6)
 - Cellular Glass Optics (X-SG93L)
 - Clean Head System
 - Push Button Chuck
 - External cooling
 - Max. Speed : 120,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:3 Increasing	●	X-SG93L	C1004
	—	X-SG93	C1007

S-Max SG20

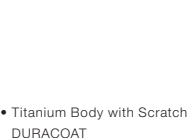


- Stainless Steel Body
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹



	Optic	MODEL	ORDER CODE
20:1 Reduction	—	SG20	C1010

Ti-Max X-SG25L



- Titanium Body with Scratch Resistant DURACOAT
- For CA burs (ø2.35)
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck
- External cooling
- Max. Speed : 40,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X-SG25L	C1011

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)



Can be use up to 80 Ncm



Washable in the thermidisinfector



Autoclavable up to 135°C



Washable in the thermidisinfector



Autoclavable up to 135°C

Implant Handpieces

Ti-Max X-SG65L

Straight Handpiece



- Titanium Body with Scratch Resistant DURACOAT
- For HP burs (ø2.35)
- Cellular Glass Optics (X-SG65L)
- Clean Head System
- External cooling
- Max. Speed : 40,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X-SG65L	H1009
	—	X-SG65	H1038

Ti-Max Z-SG45L



Triple Spray



- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics (Z-SG45L)
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- External cooling
- For FG burs (ø1.6 / 20-25 mm)
- Anti Heat System
- DLC Coating
- Max. Speed : 120,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:3 Increasing	●	Z-SG45L	C1107
	—	Z-SG45	C1108

Micro Surgery Handpieces

Straight Handpieces



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min⁻¹



	MODEL	ORDER CODE
1:1 Direct Drive	SGS-ES	H264

- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 80,000 min⁻¹



	MODEL	ORDER CODE
1: 2 Increasing	SGS-E2S	H266

20° Angle Handpieces

- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min⁻¹



	MODEL	ORDER CODE
1:1 Direct Drive	SGA-ES	H263

- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 80,000 min⁻¹



	MODEL	ORDER CODE
1: 2 Increasing	SGA-E2S	H265

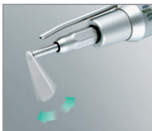
Micro Saw Handpieces



- 1.8 mm Reciprocating
- With External Spray Nozzle



	MODEL	ORDER CODE
3.2:1 Reduction	SGR2-E	SH162



- 17° Oscillating
- With External Spray Nozzle



	MODEL	ORDER CODE
3.5:1 Reduction	SGO2-E	SH164

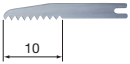


- 3° Sagittal
- With External Spray Nozzle

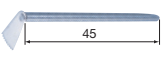
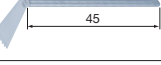
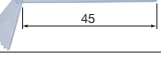


	MODEL	ORDER CODE
3.2:1 Reduction	SGT2-E	SH163

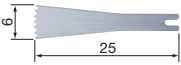
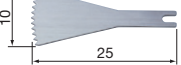
SGR2-E Blades for Reciprocating

MODEL		ORDER CODE
SGR-1	 • Blade thickness 0.35 mm • Pack of 10 blades	Y900072
SGR-2	 • Blade thickness 0.35 mm • Pack of 10 blades	Y900073
SGR-3	 • Blade thickness 0.35 mm • Pack of 10 blades	Y900074

SGO2-E Blades for Oscillating

MODEL		ORDER CODE
SGO-1	 • Blade thickness 0.3 mm • Single blade	H174034
SGO-2	 • Blade thickness 0.3 mm • Single blade	H174044
SGO-3	 • Blade thickness 0.3 mm • Single blade	H174031
SGO-4	 • Blade thickness 0.3 mm • Single blade	H174041
SGO-5	 • Blade thickness 0.35 mm • Single blade	H174032
SGO-6	 • Blade thickness 0.35 mm • Single blade	H174042

SGT2-E Blades for Sagittal

MODEL		ORDER CODE
SGT-1	 • Blade thickness 0.35 mm • Pack of 10 blades	Y900075
SGT-2	 • Blade thickness 0.35 mm • Pack of 10 blades	Y900076

Osseo 100+



Removes Doubt

Osseo 100 measures implant stability and osseointegration to support decision on when to load an implant.

Especially important when working with shorter treatment time or managing risk patients.

The uncomplicated procedure that measures ISQ allows the implant loading period to be planned in advance. The reconstruction of crowns and bridges can be monitored to optimize timing to decrease the risk for failures. Measurements can be made without unnecessary impact since the equipment does not come into physical contact with the implant or abutment.

Stand-alone Osseo 100

By mounting a MultiTeg™ the measurement is made in a second. A numerical result appears on an LED screen and that indicates how well the implant has integrated.



3-step procedure

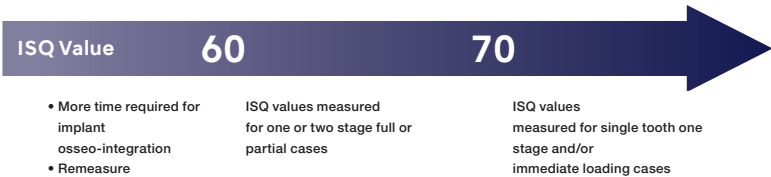
- 1. The MultiPeg™ is attached to the implant. It screws effortlessly into the implant's internal threads. (approximately 6-8 Ncm of torque).
- 2. Just aim for the magnet on top of the MultiPeg™. Non-invasive, objective, accurate and repeatable. The peg is excited by magnetic pulses and vibrates due to the stiffness in the contact area between the bone and the implant surface.
- 3. An ISQ value is generated and shown on the display. This reflects the level of stability on the universal ISQ scale – from 1 to 99. The higher the ISQ value, the more stable the implant.



About ISQ

Decreasing micro mobility with increasing ISQ values.
By taking a baseline value at implant placement and another before loading, the degree of osseointegration can be measured.

*The below is not a clinical recommendation from NSK.



1 . Sennerby L Prof., Implantologie 2013; 21(1): 21-23
2 . Kokovic V, Jung R, Feloutzis A, Todovic V, Jurisic M, Hämmerle C. Clinical Oral Implants Research, 00, 2013, 1-6
3 . M Bornstein, C Hart, S Halbritter, D Morton, D Buser, Prof. Dr. med. dent. Clin Implant Dent Relat Res 2009
4 . Serge Baltayan, Joan Pi-Anfruns, Tara Aghaloo, Peter Moy. J Oral Maxillofac Surg 74:1145-1152, 2016
5 . P O Östman, Private practitioner, Falun- and Biomaterial Group, Sahlgrenska Academy Gothenburg. Clinical Implant Dentistry and Related Research, Volume 7, Supplement 1, 2015
6 . Daniel Rodrigo, Luis Aracil, Conchita Martin, Mariano Sanz. Clin. Oral Impl. Res. 21, 2010; 255-261
7 . Pagliani L, Sennerby L, Petersson A, Verrocchi D, Volpe S & Andersson P. Journal of Oral Rehabilitation 2012
8 . P Trisi PhD, T Carlesi DDS, M Colagiovanni DDS, G Perfetti MD, DDS. Journal of Osteology and Biomaterials, Volume 1, Number 3, 2010
9 . S Hicklin, E Schneebeli, V Chappuis, S Francesco, M Janner, D Buser, U Brägger. Clin. Oral Impl. Res. 00, 2015; 1-9
10. L. Milillo, C. Fiandaca, F. Giannoulis, L. Ottria, A. Lucchese, F. Silvestre, M. Petruzzi. Oral & Implantology - anno IX - n. 3/2016

REUTILIZABLE MultiPeg™

- For all major implant systems*
- Tissue friendly, durable titanium
- Autoclavable appx. 20 times
- Optimal platform fit
- ISQ Standard Calibrated

*There are different MultiPegs™ available made to fit different implant system and types. Please refer to the updated list from the supplier.



Stand-alone
Osseo 100

Contents
• Osseo 100 Instrument
• MultiPeg Driver
• Mains adapter and plugs
MultiPeg™ is not included, sold separately.

MODEL	ORDER CODE
Osseo 100+	Y1004176
Osseo 100	Y1004175

Specifications

- Power input : 5VDC, 1 VA
- Charger input : 100-240 VAC, 5 VA
- Instrument weight : 100 g
- Battery full charge time : appx. 3 hours.*
- Battery continuous drive time : appx. 1 hour.*

*Varies depending on usage situations.

iSD900



Advantages

- Universal to major implant systems
- Reliable and durable contra-angle handpiece with excellent accessibility
- Audible beeping noise to indicate reverse rotation
- Standard battery (AAA Ni-MH) is easily replaced on site
- LCD control panel offering outstanding visibility and operability

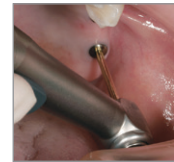
Faster and Safer Implant Treatments

NSK's iSD900 cordless screwdriver helps to safely place and remove cover screws, healing caps and abutments during dental implant procedures, making treatment up to 50% faster.



Faster Treatment

NSK's iSD900 cordless screwdriver safely inserts and removes cover screws, healing caps and abutments during implant procedures, making treatment up to 50% faster.



Accommodating Diverse Operative Fields

It can be difficult to maintain good visibility of the operating field when retracting the buccal mucosa when using a conventional ratchet wrench with both hands. The iSD900 allows single-handed operations to ensure better visibility across the whole operating field.



Torque Calibration System to Guarantee Safety

The unique torque calibration system (TCS) of the iSD900 ensures accurate torque values at all times.



Torque Range Accommodating Diverse Procedures and Three Rotation Speeds

NSK's iSD900 has a torque range of 10 Ncm to 40 Ncm to ensure precise torque adjustments and settings in 1 Ncm or 5 Ncm increments according to procedures. The iSD900 offers 15 min⁻¹, 20 min⁻¹, and 25 min⁻¹ speeds according to procedure requirements.



iSD900 Complete Set

MODEL	ORDER CODE
iSD900	Y1001358

- iSD900 Motor • iSD-HP
- Quick Charger for iSD900
- Torque Calibrator
- On/Off Switch Lever

Specifications

- Torque: 10 – 40 Ncm in 1 or 5 Ncm increments
- Speed: 15, 20, 25 min⁻¹
- Weight: 148 g (iSD900 Motor + iSD-HP)
- Charging Time : Around 90 min*
- Continuous Operation Time : Max 72 min*

*these may change according to the usage environment.

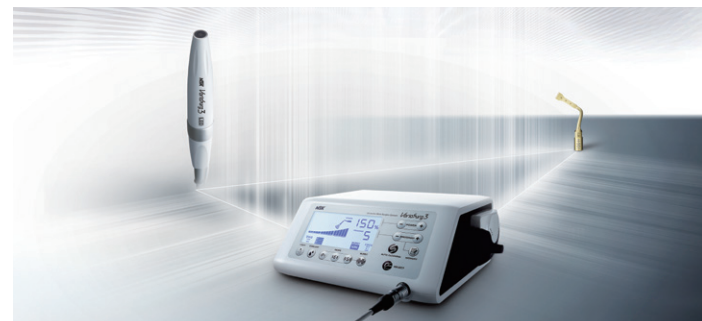
VarioSurg 3



Trinity

Out Standing Ultrasonic Performance

Wattage is not the only factor determining cutting efficiency and performance in ultrasonic surgery. What is important is the power factor between three elements: control unit frequency, handpiece vibration characteristics and tip design for handling high power and cutting efficiency. The VarioSurg 3 effortlessly balances these three elements for the ultimate in ultrasonic performance.



Stabilizing the Power Balance for More Efficient Procedures

The VarioSurg 3 offers a 50% increase in power in SURG mode compared to previous models, for more effective procedures and shorter treatment times.

(Select tips according to clinical and power requirements)

*For more than 100% power, you must use the relevant tips.

VarioSurg



150% High Power!

VarioSurg 3



Stable Cutting Through Feedback and Auto-tuning Functions

Feedback function

This function constantly checks the performance parameters of the ultrasonic unit during operation. It simultaneously controls power output to optimize the level of power depending on the procedure.

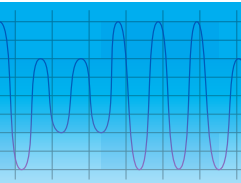
Auto-Tuning function

The oscillating frequency is automatically controlled to ensure the set output values are always accurately delivered at the tip to maintain ideal vibration.

Control Unit

Compact Body and Large LCD Panel

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute to a safe and user-friendly working environment.



Advanced BURST Mode

Switching from SURG mode to BURST mode during procedures creates a hammer drill effect capable of cutting through the hardest of tissues. Select from one of three BURST mode levels according to the procedure or density or hardness of the bone.



Illumination Intensity Adjustable LED Light

LED handpiece illumination can be adjusted at the push of a button, with a choice of three intensity levels to suit the procedure.



Three Modes

There is a choice of P (PERIO), E (ENDO) and S (SURG) modes to cover a wide range of applications, from bone cutting to post-surgical maintenance.

Adjustable Irrigation Flow Rate

You can choose from five coolant flow levels with a maximum output of up to 75 mL per minute, to suit operating requirements and tips. Effective irrigation protects bone cells by controlling tip heat.

Memory Functions for Treatment Procedures and Program Setting

Specific treatment parameters can be stored using the unit's memory function, and are easily accessed using the program button.

Handpiece

Super-slim Ergonomic Handpieces

NSK's super-slim LED handpiece offers superior access and outstanding visibility. Excellent balance and ergonomic design facilitate the most accurate procedures and minimise hand and finger fatigue, especially during long procedures.

Effective Power Transmission with Minimal Heat Generation

By using innovative materials, the VarioSurg 3 handpiece delivers appropriate power from the generator to the tip without loss while minimising heat generation.

LED Illumination for More Precise Treatments

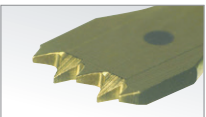
NSK LEDs generate natural daylight-quality light to perfectly illuminate the treatment area, enabling more precise treatments and shortening treatment times. LEDs are safe and do not overheat, even during extended use, and are economical due to their long life. Proprietary twin LED lights eliminate shadows in the treatment area, allowing excellent visibility.



Optic	MODEL	ORDER CODE
●	VS3-LED-HPSC	E1133

• with 2 m cord

The tips are designed to preserve tissue, maintain cutting speed and easily cut into bone. Saw like teeth on an uneven blade edge enhances bone cutting. This also reduces clogging to maintain cutting speed.

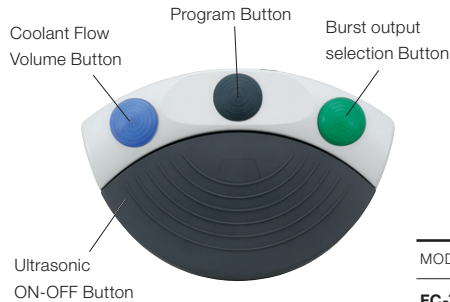


VarioSurg 3

Foot Control

Hands-Free Program Adjustments Via Foot Control

The VarioSurg 3 foot control conforms with the IPX8 standard for medical foot control systems. All functions are clearly marked and allow accurate and hands-free operation of the unit within the pre-set parameters. Using the metal bar the foot control can easily be re-positioned at any time.



MODEL	ORDER CODE
FC-78	Z1102003
• With 2 m cord	

Sterilization Cassette

The Sterilization Cassette is designed for the safe processing and storage of VarioSurg 3 components.



MODEL	ORDER CODE
VA-SG-CASE	Z313102
• Dimensions : W 281 x D 171.5 x H 47 mm • Has dedicated compartments for handpiece, cord, tip replacement wrench and tip holders	



SG Link Set (Optional)



MODEL	ORDER CODE
VarioSurg3 Link set (E)	Y1002729

- Contents
- SG Link Stand
 - SG Link Cable

Specifications

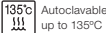
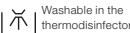
- SG Link Stand
- Dimensions : W 210 x D 300 x H 180 mm
- Weight : 1.85 kg
- SG Link Cable
- Length : 355 mm

Carrying Case (Optional)

The Carrying Case neatly stores all VarioSurg 3 components.



MODEL	ORDER CODE
Carrying Case(VarioSurg 3)	Y1002768
• Dimensions : W 534 x D 427 x H 207 mm	



VarioSurg 3 Complete Set

Optic	MODEL	ORDER CODE
●	VarioSurg 3 (230V)	Y1002726
●	VarioSurg 3 (120V)	Y1002725

- Contents
- Control Unit
 - LED Handpiece with 2 m cord
 - FC-78 Foot Control
 - Sterilization Cassette
 - Handpiece Stand
 - Irrigation tube (5 pcs.) and other accessories
 - Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

Specifications

- Control Unit**
- Frequency : 28-32 kHz
 - Power Supply : AC 230 V 50/60 Hz
 - Irrigation Flow Rate : 10-75 mL/min
 - Programs : SURG x 5, ENDO x 2, PERIO x 2
 - Dimensions : W 265 x D 220 x H 100 mm

VarioSurg 3 Complete Set without Foot Control

Optic	MODEL	ORDER CODE
●	VarioSurg 3 (230V) Non FT	Y1002248

- Contents
- Control Unit
 - LED Handpiece with 2 m cord
 - Sterilization Cassette
 - Handpiece Stand
 - Irrigation tube (5 pcs.) and other accessories
 - Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

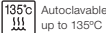
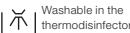
Ultrasonic Surgery Tips

Bone Surgery (TIN coating)



POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG1	Z305151
• Dots mark 3, 6 and 9 mm from top of tip • Five teeth; 0.6 mm thick		
POWER LEVEL	MODEL	ORDER CODE
—	SG1A	Z305138
• Dots mark 3, 6, 9,12 and 15 mm from top of tip • Five teeth; 0.6 mm thick		
POWER LEVEL	MODEL	ORDER CODE
—	SG2R	Z305102
• Right curved tip* • Three teeth; 0.6 mm thick		
POWER LEVEL	MODEL	ORDER CODE
—	SG2L	Z305103
• Left curved tip* • Three teeth; 0.6 mm thick		
POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG8	Z305155
• Dots mark 3, 6 and 9 mm from top of tip • Three teeth; 0.6 mm thick		
POWER LEVEL	MODEL	ORDER CODE
—	SG8A	Z305139
• Dots mark 3, 6, 9,12 and 15 mm from top of tip • Three teeth; 0.6 mm thick		
POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG8R	Z305156
• Marking every 2 and 4 mm from top of tip (Single side) • Right curved tip* • Three teeth; 0.6 mm thick		
POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG8L	Z305157
• Marking every 2 and 4 mm from top of tip (Single side) • Left curved tip* • Three teeth; 0.6 mm thick		

* The direction of the tip's curve is defined by the tip's anterior view.



Choose from over 50 ultrasonic tips according to the clinical procedure.

Bone Surgery



Scraper



Sinus Lift



Sinus Membrane Detachment



Scaling



Maintenance (V-Tip)



Extraction



Socket Lift (Crestal Approach)



Implant Preparation



Perio (Root Planing)



Endodontics



Bone Surgery (TIN coating)

	MODEL	ORDER CODE
	SG14R	Z305122
	MODEL	ORDER CODE
	SG14L	Z305123
	MODEL	ORDER CODE
	SG19	Z305135
	MODEL	ORDER CODE
	SG30	Z305137
	MODEL	ORDER CODE
	SG58	Z305141
	MODEL	ORDER CODE
	SG68	Z305143

Scraper (TIN coating)

	MODEL	ORDER CODE
	SG3	Z305104
	MODEL	ORDER CODE
	SG4	Z305105
	MODEL	ORDER CODE
	SG5	Z305106

Extraction (TIN coating)

	MODEL	ORDER CODE
	SG17	Z305132
	MODEL	ORDER CODE
	SG18R	Z305133
	MODEL	ORDER CODE
	SG18L	Z305134

* The direction of the tip's angle is defined by the tip's anterior view.

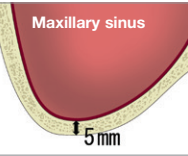
Specialty Tips Exclusively for Sockets

Used as part of the socket lift method to swiftly perform sinus lift procedures, NSK's new tip lineup is designed for minimal surgical invasiveness.

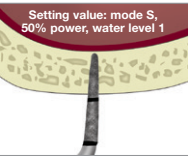
Process example for elevation of maxillary sinus membrane

A type of implant preparation site for a regular size implant ø4.0 mm.

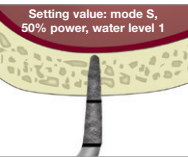
At the case of using VarioSurg



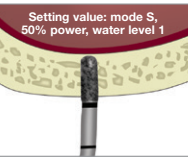
*A case of around 5 mm from the base of cortical bone to maxillary sinus.
*Bone tissue is type 3 and good condition.
*In addition to positive diagnosis by CT image, the vertical bone width should be diagnosed well and the implant preparation site could be formed until the base of maxillary antrum.



1. Bone cutting to within 1 mm to the base of maxillary antrum by using SG15A tip. Please be careful not to push the tip too much.



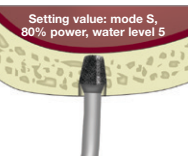
2. Repeat bone cutting using SG15B tip to increase width. Please be careful not to push the tip too much.



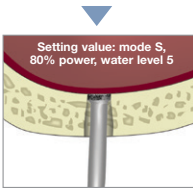
3. Bone cutting by using SG16A tip. The implant preparation site is formed until little of the base of cortical bone remains.



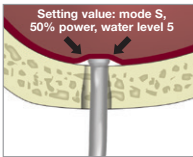
4. Repeat bone cutting by using SG16B tip. The implant preparation site is formed until little of the base of cortical bone remains.



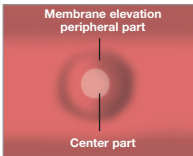
5. Using sufficient water irrigation, the implant preparation site is formed by using SCL2D tip. The water level is set to 5. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane. At the case of using drilling, this step is excluded.



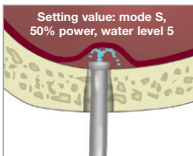
6. Using sufficient water irrigation, the implant preparation site is continued to be formed by using SCL1D tip. The water level is set to 5. The cavity floor of the implant preparation site is cut by using the edge of the top of the tip. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane.



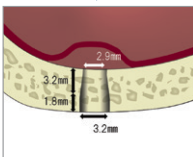
7. The maxillary antrum membrane is exfoliated by using SCL1 tip. The water level is set to 5. Slowly insert the top of the tip between the membrane and bone. Moving the tip along the wall of the implant preparation site will exfoliate the membrane. Please be careful, since the membrane can be torn at the edge (arrow part) between the bone and the membrane.



This image shows the elevated membrane which you will see from the maxillary antrum side. Please check the condition of maxillary antrum membrane using the endoscope.

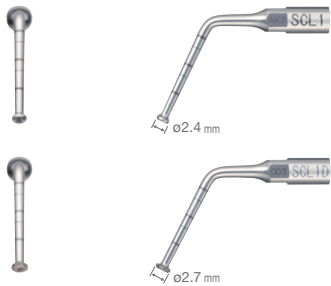


8. The Maxillary antrum membrane can now be elevated by using SCL1 tip.



9. The completed formation of the implant preparation site. At the case of using drilling, the straight implant preparation site of 3.2 mm is formed.

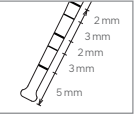
Socket Lift (Crestal Approach)



MODEL	ORDER CODE
SCL1	Z305170
• Internal irrigation	
MODEL	ORDER CODE
SCL1D	Z305171
• Internal irrigation • Diamond coating	

Socket Lift (Crestal Approach)

		MODEL	ORDER CODE
		SCL2D	Z305182
		• Internal irrigation • Diamond coating	
		MODEL	ORDER CODE
		SCL3	Z305172
		• Internal irrigation	
		MODEL	ORDER CODE
		SCL3D	Z305173
		• Internal irrigation • Diamond coating	
		MODEL	ORDER CODE
		SCL4D	Z305184
		• Internal irrigation • Diamond coating	
		MODEL	ORDER CODE
		SCL5	Z305174
		• Internal irrigation	
		MODEL	ORDER CODE
		SCL5D	Z305175
		• Internal irrigation • Diamond coating	



The estimated depth of the implant preparation site can be measured with the scale on the Tip.

Sinus Lift

		MODEL	ORDER CODE
		SG6D	Z305107
		MODEL	ORDER CODE
		SG7D	Z305108

Sinus Membrane Detachment

		MODEL	ORDER CODE
		SG9	Z305110
		• Flat circular convex elevator • Angled at 90°	
		MODEL	ORDER CODE
		SG10	Z305111
		• Flat circular convex elevator • Angled at 135°	
		MODEL	ORDER CODE
		SG11	Z305112
		• Cone compressor	

Implant Preparation

		MODEL	ORDER CODE
		SG15A	Z305124
		• Diameter of the tip end; 0.7 mm	
		MODEL	ORDER CODE
		SG15B	Z305125
		• Diameter of the tip end; 1.3 mm	
		MODEL	ORDER CODE
		SG15C	Z305126
		• Diameter of the tip end; 0.9 mm	
		MODEL	ORDER CODE
		SG15D	Z305127
		• Diameter of the tip end; 1.3 mm	
		MODEL	ORDER CODE
		SG16A	Z305128
		• Diameter; 2.0 mm	
		MODEL	ORDER CODE
		SG16B	Z305129
		• Diameter; 2.6 mm	

Scaling

			MODEL	ORDER CODE
			G1-S	Z305113

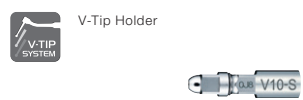
Perio (Root Planing)

			MODEL	ORDER CODE
			P20-S	Z305114
			• Straight tip	
			MODEL	ORDER CODE
			P25R-S	Z305115
			• Right curved tip*	
			MODEL	ORDER CODE
			P25L-S	Z305116
			• Left curved tip*	

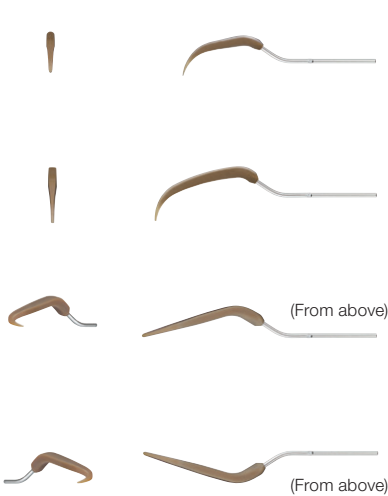
* The direction of the tip's curve is defined by the tip's anterior view.

Maintenance (V-Tip)

Perio-Control



MODEL	ORDER CODE
V10-S	Z305117
• Includes E-Tip replacement wrench • Plastic Tip is not included	



MODEL	ORDER CODE
V-P10	Y900184
• Pack of 3 • V10-S holder is not included	
MODEL	ORDER CODE
V-P12	Y1002167
• Pack of 3 • V10-S holder is not included	
MODEL	ORDER CODE
V-P11R	Y1002165
• Right curved type* • Pack of 3 • V10-S holder is not included	
MODEL	ORDER CODE
V-P11L	Y1002166
• Left curved type* • Pack of 3 • V10-S holder is not included	
■ V-P11R, V-P11L, V-P12 can be used only for VarioSurg 3.	

Endodontics



MODEL	ORDER CODE
E30RD-S	Z305118
• For posterior teeth (right angled)	
MODEL	ORDER CODE
E30LD-S	Z305119
• For posterior teeth (left angled)	
MODEL	ORDER CODE
E31D-S	Z305120
• For anterior and posterior teeth (70°)	
MODEL	ORDER CODE
E32D-S	Z305121
• For anterior teeth (90°)	

* The direction of the tip's curve is defined by the tip's anterior view.



MAINTENANCE

iCare



Automatically Clean

iCare sets a new standard for handpiece maintenance systems. In one stylish and compact body, it offers you both ease of use and multiple functions to achieve complete lubrication. The proper solution volume is preset based on handpiece type, and maintenance can be initiated at the touch of a button. The chuck cleaning system keeps chucks pristine, and the purging select mode lets you alter purge time depending on the situation for truly comprehensive maintenance. Thanks to its stylish and compact body, iCare is also space efficient and totally in harmony with your working environment.

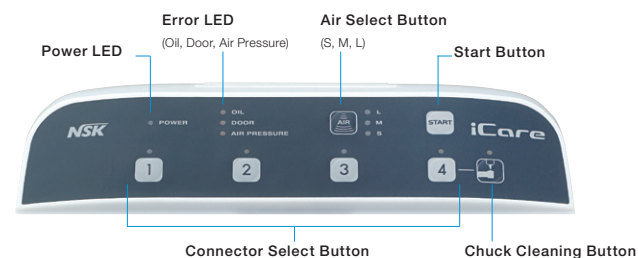
Preset Proper Solution Volume Based on Handpiece Type

The proper solution volume is preset based on high speed and low speed handpieces, ensuring precise and thorough lubrication at the touch of a button.



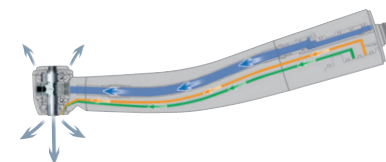
Ergonomic and Easily Readable Large Panel

Simple One-Touch Operation to Start Lubrication.



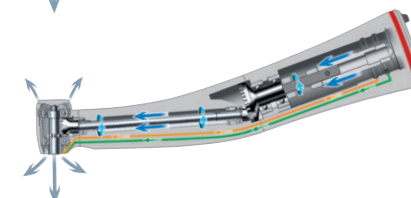
High Speed Handpieces

iCare meticulously cleans the components of high speed handpieces.



Low Speed Handpieces

Low speed handpieces incorporate gearing systems that require extra solution penetration. The NSK rotation system guarantees optimum oil delivery to the internal components of all low-speed handpieces.



Purging Select Mode

After lubrication, you can select from appropriate modes offering different purge lengths.



Chuck Cleaning Function

The chuck cleaning function completely removes dirt and cutting powder from the chuck.



Hp Head Filter Prevents Mist Leaks (Optional)

HP Head Filter is made to absorb any spray mist generated, which prevents mist leaks.



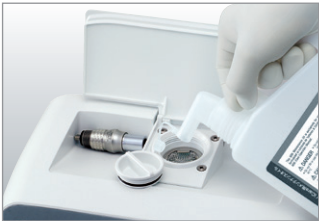
Easy to Clean

iCare's front door can be completely removed to allow fast, easy cleaning of the system.



Solution Tank

iCare's big solution tank has a capacity of 1.2 Liters, allowing you to pour in a full one-liter bottle of maintenance solution at once, reducing the necessity for frequent refilling. The enclosed nozzle enables clean and easy refills.



Accommodates Both NSK Handpieces and Those of Other Brands

NSK and all other brands of low speed handpieces connect directly to the coupling supplied. NSK high speed handpieces require the PTL adaptor. Adaptors are available for direct connection of most other brands of high speed handpieces.

Safe Operation with a Range of Alarm Functions

The alarm LED ensures safe and secure maintenance by alerting you to various situations, including inadequate solution quantity and an un locked front door.

Stylish and Compact

In the pursuing ultimate ease of use, NSK has given iCare the power to perform automatic maintenance for up to four handpieces at once. iCare is also designed to be simple to set up and space efficient, you can install it virtually anywhere.



iCare Complete Sets



Dual Standard Connectors + Dual Rotation Connectors

MODEL	ORDER CODE
iCare C2 Type	Y1002787



Single Standard Connector + Triple Rotation Connectors

MODEL	ORDER CODE
iCare C3 Type	Y1002788

Contents

- iCare unit • Power cord • Chuck Cleaning Nozzle • Maintenance oil for iCare (1 Liter) • Mist filter set • Oil absorber sheet • Air tube

Specifications

- Power Supply: AC 100-240 V 50/60 Hz • Air Pressure: 0.5-0.6 MPa (5.0-6.0 kgf/cm²) • Weight : 6.5 kg (C2 type / C3 type)
- Dimension : W 280 x D 240 x H 350 (mm) • Solution Tank Capacity : 1.2 L
- Connects only to Midwest 4-hole type • Air piping is necessary (5.0-6.0 kgf/cm²)
- Do not use iCare to lubricate air scalers and Phatelus air motors. The iCare lubricating system is not designed to lubricate those particular products. Maintain air scalers and Phatelus air motors as described in the operation manual for each product.
- If blood infiltrates inside a handpiece, iCare may not totally clean the internal handpiece components, and internal blood coagulation may cause product failure. In this case, NSK recommends to immediately lubricate those handpieces with PANA SPRAY Plus.

iCare Adaptors

MODEL		ORDER CODE
PTL Adaptor	• For NSK High Speed Handpieces for PTL-CL-LED Coupling	Z257010
B2/M4 Adaptor	• For Borden 2 hole High Speed Handpieces	T904
KV Adaptor	• For KaVo® High Speed Handpieces for MULTIflex® LUX Coupling	Z257020
SR Adaptor	• For Sirona® High Speed Handpieces for Quick Coupling	Z257023
WH Adaptor	• For W&H® High Speed Handpieces for Roto Quick Coupling	Z257021
BA Adaptor	• For Bien-Air® High Speed Handpieces for Unifix® Coupling	Z280022
F-Type Adaptor	• For ENDO-MATE TC2, DT Heads	Z280042

Check with the dealer for the adaptors to mount other manufactures' handpieces.

Refill Maintenance Oil

MODEL	PRODUCTS	ORDER CODE
Maintenance Oil for iCare (1 Bottle, 1 Liter)		Z016130

MODEL	PRODUCTS	ORDER CODE
Mist Filter Set	 • Pack of 12	Y900159
Oil Absorber Sheet	 • Pack of 10	U433135

Multi Stands



NSK Multi Stand is the convenient way to organize and store NSK high and low speed handpieces and heads. Autoclavable at 135°C.



MODEL	ORDER CODE
Multi Stand Complete	Z036

• For NSK high speed and low speed attachments

MODEL	ORDER CODE
Multi Stand for Phatelus	Z036002

• 3 x Adaptor A • 2 x Adaptor C

Multi Stand Handpiece Adaptors



MODEL		ORDER CODE
Adaptor A	 • For High speed handpieces and Phatelus air motors	Z036201
Adaptor B	 • For E-Type *Low speed handpieces and Phatelus air motor heads	Z036202
Adaptor C	 • For Phatelus and Mach couplings	Z036203
Adaptor KV	 • For KaVo® MULTIflex® LUX	Z036204
Adaptor SR	 • For Sirona® Quick Coupling	Z036205
Adaptor WH	 • For W&H® Roto Quick	Z036207
Adaptor BA	 • For Bien-Air® Unifix®	Z036206
Adaptor F	 • For Endo-Mate TC2 / DT & iSD900 heads	Z036209
Adaptor CJ	 • For Midwest 4 hole & Borden 2/3 hole	Z036210

*E-Type: Conformable to ISO 3964.

PANA SPRAY Plus

PANA SPRAY Plus is a specially formulated, highly effective general handpiece and air motor lubricant. Frequent application of PANA SPRAY Plus will assure handpiece and air motor performance and durability. Apply PANA SPRAY Plus every time before autoclaving any handpiece or air motor.

MODEL	ORDER CODE
Pana Spray Plus	Z182100

- For High & Low speed handpieces, and air motors
- 500 mL • Alcohol-contained lubricant

MODEL	ORDER CODE
Pana Spray Plus Package	Y900630

- PANA SPRAY Plus pack of 6

MODEL	ORDER CODE
Tip Nozzle	Z020010

Air Gauge

This gauge measures the drive air pressure of each handpiece tubing. The figure shown on this gauge should correspond with the required air pressure stated on the operation manual of the handpiece. Use of this gauge ensures longer life-time of your handpieces.

MODEL	ORDER CODE
SG-4H	Z327001

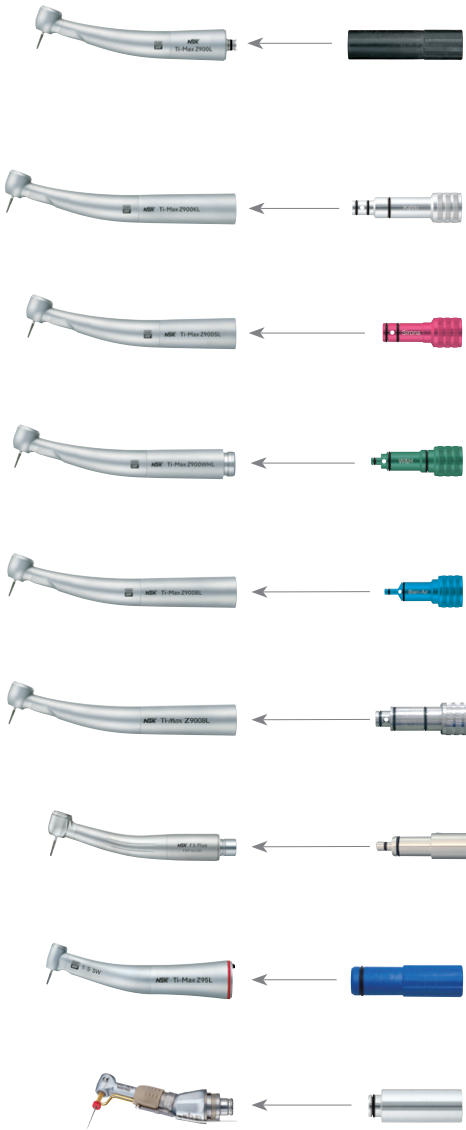
- For Midwest 4 hole & LUX Coupling

MODEL	ORDER CODE
SG-2/3H	Z327002

- For Borden 2/3 hole



PANA SPRAY Plus Nozzles



*E-Type: Conformable to ISO 3964.

MODEL	ORDER CODE
Phatelus Spray nozzle	P183090

- For High speed attachments and air motors which attach to Phatelus and Mach Couplings

MODEL	ORDER CODE
KV Nozzle	Z090051

- For KaVo® MULTIflex® LUX

MODEL	ORDER CODE
SR Nozzle	Z090052

- For Sirona® Quick Coupling

MODEL	ORDER CODE
WH Nozzle	Z090054

- For W&H® Roto Quick

MODEL	ORDER CODE
BA Nozzle	Z090053

- For Bien-Air® Unifix®

MODEL	ORDER CODE
MHL Spray Nozzle	Z090056

- For Morita TwinPower Turbine 4H Coupling

MODEL	ORDER CODE
QD Spray Nozzle	Z096090

- For QD Coupling

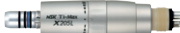
MODEL	ORDER CODE
E-Type Spray Nozzle	Z019090

- For E-Type *attachments

MODEL	ORDER CODE
F-Type Spray Nozzle	Z256090

- For Endo-Mate TC2 / DT & iSD900 heads

Handpieces Air Pressures

MODEL		Air Pressures MPa (kgf/cm²)
Air Turbine	 Ti-Max Z	0.25-0.30 MPa (2.5-3.0 kgf/cm²)
	 S-Max M	PTL: 0.20-0.25 MPa (2.0-2.5 kgf/cm²) K, KL, SL, W, WL, WLED, BL, BLED: 0.25-0.30 MPa (2.5-3.0 kgf/cm²)
	 S-Max pico	
	 Ti-Max X450	0.25-0.30 MPa (2.5-3.0 kgf/cm²)
	 DynaLED	0.20-0.25 MPa (2.0-2.5 kgf/cm²)
	 FX Plus	0.18-0.22 MPa (1.8-2.2 kgf/cm²)
	 PanaAir FX	PTL, M4, B2: 0.20-0.25 MPa (2.0-2.5 kgf/cm²) KV: 0.25-0.30 MPa (2.5-3.0 kgf/cm²)
	 PRESTO AQUA LUX	0.25-0.30 MPa (2.5-3.0 kgf/cm²)
	 PRESTO AQUA II	
	 PRESTO II	0.20-0.25 MPa (2.0-2.5 kgf/cm²)
Air Motor	 Ti-Max X205L	0.20-0.25 MPa (2.0-2.5kgf/cm²)
	 S-Max M205	
	 FX205	

MODEL		Air Pressures MPa (kgf/cm²)
Oral Hygiene	 Ti-Max S970	0.30 MPa (3.0 kgf/cm²)
	 AS2000	0.28 MPa (2.8 kgf/cm²)
	 Prophy-Mate neo	0.27-0.40 MPa (2.7-4.0 kgf/cm²)
	 Perio-Mate	0.30-0.40 MPa (3.0-4.0 kgf/cm²)



DENTAL LABORATORY

ULTIMATE XL series



Great Hands Need Great Tools

The ULTIMATE XL Series offers a choice of four control units, according to space and user requirements. All functions are controlled by NSK's microcomputer which maintains smooth starting and stopping ensuring excellence in overall operability.

Advantages

- Lightweight and compact body
- Long-term durability
- Ergonomic shaped handpiece
- Minimal noise and vibration
- Special dust proof mechanism



ULTIMATE XL Series

Choice of 2 micromotors and 4 control units are available.

— Bench type —	— Tower type —	— Knee type —	— Floor type —
ULTIMATE XL	ULTIMATE XL-D	ULTIMATE XL-K	ULTIMATE XL-F
			
UMXL-G	UMXL-D	UMXL-K	UMXL-F

ULTIMATE XL

Bench Top System



Features

- Speed of 1,000-50,000 min⁻¹
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Brushless

* Not applicable to connect with an air turbine handpiece

	MODEL	ORDER CODE
Torque	UMXL-GT	Y141469
Compact	UMXL-GC	Y141470

Specifications

- Power Supply: AC 230 V 50/60 Hz
- Weight: 2.8 kg
- Dimensions : W 167 x D 247 x H 77 mm

Contents

- Control unit • Micromotor Handpiece
- Foot Control • Handpiece Stand

ULTIMATE XL-D

Bench Top Tower System



Features

- Speed of 1,000-50,000 min⁻¹
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Available to connect with an air turbine adaptor
- Brushless

	MODEL	ORDER CODE
Torque	UMXL-DT	Y141504
Compact	UMXL-DC	Y141505

Specifications

- Power Supply: AC 230 V 50/60 Hz • Weight: 3.3 kg
- Dimensions: W 81 x D 270 x H 230 mm

Contents

- Control unit • Micromotor Handpiece • Foot Control
- Handpiece Stand

ULTIMATE XL-K

Knee Control System



Features

- Speed of 1,000-50,000 min⁻¹
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Available to connect with an air turbine adaptor
- Brushless

	MODEL	ORDER CODE
Torque	UMXL-KT	Y141495
Compact	UMXL-KC	Y141496

Specifications

- Power Supply: AC 230 V 50/60 Hz • Weight: 3.2 kg
 - Dimensions : W 90 x D 270 x H 230 mm
- Contents
- Control unit • Micromotor Handpiece • Handpiece Stand

ULTIMATE XL-F

Floor Type Foot Control System



Features

- Speed of 1,000-40,000 min⁻¹ • Auto Cruise Function
- Available to connect with an air turbine adaptor
- Brushless

* Speed and all other function are controlled via foot control. For safety, maximum speed preset to 40,000 min⁻¹.

	MODEL	ORDER CODE
Torque	UMXL-FT	Y141513
Compact	UMXL-FC	Y141514

Specifications

- Power Supply: AC 230 V 50/60 Hz • Weight: 3.8 kg
 - Dimensions: W 230 x D 292 x H 113 mm
- Contents
- Control unit • Micromotor Handpiece • Handpiece Stand

ULTIMATE XL-E

Bench Top System



MODEL	ORDER CODE
UMXL-GE (230V)	Y1002113

Contents

- Control unit
- E type Micromotor Only (No Attachment)
- Foot Control • Handpiece Stand



ULTIMATE XL

- Features
- Ripple-free smooth rotation with 180° vector control system
 - Powerful and stable torque across the entire speed range
 - Easy-to-hold handpiece design ensures precision
 - Lightweight compact body reduces hand fatigue and improves balance
 - Unique dust-proof mechanism prevents contamination therefore achieving higher durability
 - Minimal vibration, and noise from hermetically shielded micromotor unit
 - Approximately 30% increased chuck strength enables you to work on a wider variety of materials
 - Brushless



Torque Micromotor & Cord

- Speed: 1,000-50,000 min⁻¹
- Max. Torque : 8.7 Ncm

MODEL	ORDER CODE
UMXL-T 2M	Y141441
• Dimensions : L 151 x ø29 mm	
• Weight : 215 g (Cord not included)	
• Cord Length : 2 m	



Compact Micromotor & Cord

- Speed: 1,000-50,000 min⁻¹
- Max. Torque : 6.0 Ncm

MODEL	ORDER CODE
UMXL-C 2M	Y141445
• Dimensions : L 144 x ø27 mm	
• Weight : 181 g (Cord not included)	
• Cord Length : 2 m	



E-type Micromotor & Cord

- Speed: 1,000-50,000 min⁻¹
- Max. Torque : 6.0 Ncm

MODEL	ORDER CODE
UMXL-EM 2M	E342002
• Dimensions : L 118 x ø27 mm	
• Weight : 129 g (Cord not included)	
• Cord Length : 2 m	

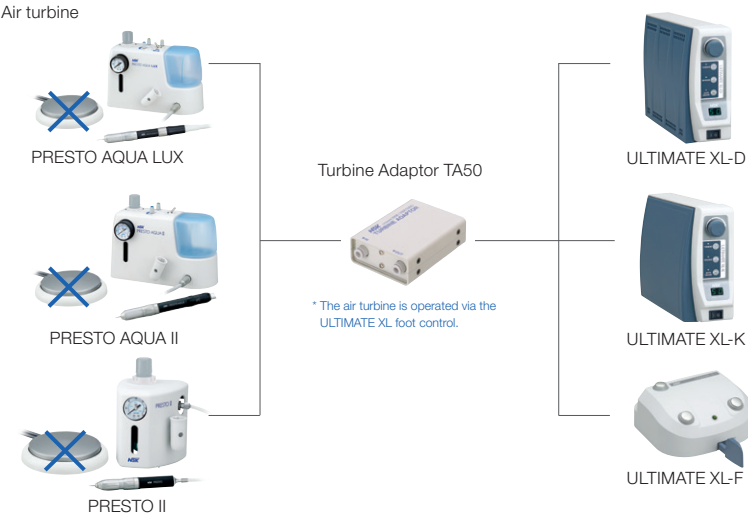
Turbine Adaptor TA50

For ULTIMATE XL-D, XL-K and XL-F

TA50 air turbine adaptor allows you to quickly switch power source between air turbine handpiece and electric micromotor. Both handpieces are equally controllable with a single foot control or knee control.



MODEL	ORDER CODE
TA50	U375
• Turbine adaptor • W 75 x D 100 x H 30 mm	



VOLVERE i7

Features

- Light and compact to fit into the smallest space
- Microcomputer Control
- Ecological Design
- Auto Cruise Function
- Overload alarm system

Standard Micromotor

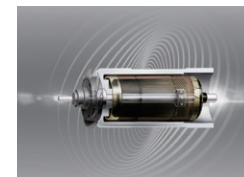


E-Type Micromotor



High Torque, High Efficiency Coreless Motor

The micromotor in the VOLVERE i7 handpiece has no core and generates less rotary momentum. This contributes to the controllability of the rotation speed and reduces uneven rotation. In addition, this motor has higher power efficiency compared to a conventional motor and can maintain constant speed even at high speeds.



- Special Dust Proof Mechanism
- High Precision
- Light and Compact
- Low Vibration & Low Noise

VOLVERE i7 Complete Sets



	MODEL	ORDER CODE
Standard	VOLVERE i7 RM	Y1002890
E-Type Without Handpiece	VOLVERE i7 E	Y1003523

Contents

- Control unit • Micromotor Handpiece • Foot control • Handpiece Stand

Specifications

Control Unit • Power Supply : AC 230 V 50/60 Hz • Dimensions : W 69 x D 185 x H 167 mm • Weight : 930 g
Standard Type Motor Handpiece • Speed : 1,000-35,000 min⁻¹ • Max. Torque : 4.1 Ncm • Dimensions : L 145 x ø24.5 mm
 • Weight : 192 g (without cord) • Cord Length : 1.2 m
E-Type Motor Handpiece • Speed : 1,000-35,000 min⁻¹ • Max. Torque : 4.1 Ncm • Dimensions : L 109.3 x ø24.5 mm
 • Weight : 118 g (without cord) • Cord Length : 1.2 m

PRESTO AQUA LUX

LIGHT + WATER

Near-daylight LED technology illuminates with pinpoint accuracy. From mist to drops - complete spray control. Light and water combination means precise control across a broad area.



LED Light Enables You to Work More Efficiently

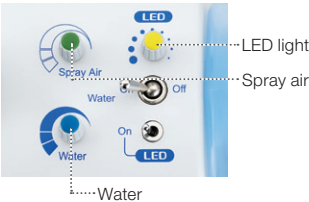
- Accurate lighting at the point of operation does not hide any detail, allowing you to focus on your work more easily.
- LED illuminates fine unevenness and air bubbles of the internal frames which can not be illuminated under the normal bench lighting, thus dramatically improving the quality of internal adjustments.
- Enables precise work and materials assessment under the microscope, which improves efficiency and reduces fatigue.

Advantages

- Simple and easy removal of the water bottle
- On-Off function of LED light and water coolant spray
- Capable of running independently with the incorporated water bottle or connected to mains water supply



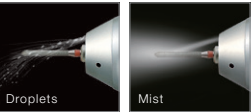
Easy adjustment of the water coolant spray, LED light and spray air



PRESTO AQUA LUX Complete Set

MODEL	ORDER CODE
PRESTO AQUA LUX	Y1001151
Contents	
• PRESTO AQUA LUX Control unit	
• PRESTO AQUA LUX handpiece	
• PR-AQL Hose	
• Foot control (AFC-40)	
• Secondary hose for PRESTO	
• Handpiece stand	
• PRESTO AQUA LUX Cord	
• AC Adaptor	

PRESTO AQUA LUX Handpiece



Water Coolant Options



Optic	MODEL	ORDER CODE
●	PRA-LUX-HP	T1002

- PRESTO AQUA LUX handpiece

Optic	MODEL	ORDER CODE
—	PR-AQL Hose	Z1050

- LED incorporated

PRESTO AQUA II

Lube Free Air Turbine Handpiece with Water Spray

- Advantages
- Simple and easy removal of the water bottle
 - Seamless adjustments of water volume and spray air
 - On-off function of water coolant spray
 - Capable of running independently with the incorporated water bottle or connected to mains water supply



PRESTO AQUA II Complete Set

Optic	MODEL	ORDER CODE
—	PRESTO AQUA II	Y150023

- Contents
- PRESTO AQUA II unit
 - PRESTO AQUA handpiece
 - QD-J B3 coupling
 - Hose for PRESTO AQUA II
 - Foot control (AFC-40)
 - Secondary hose for PRESTO

PRESTO AQUA Handpiece

- 320,000 min⁻¹
- Water coolant spray
- Water coolant options
- Requires no lubrication
- Swivel twist-free handpiece
- Low noise and vibration
- Unique dust-proof mechanism



Optic	MODEL	ORDER CODE
—	PRA-HP	T816

- PRESTO AQUA handpiece

Optic	MODEL	ORDER CODE
—	QD-J B3	T354051

- PRESTO AQUA coupling

PRESTO II

Lube Free Air Turbine Handpiece

- Advantages
- Lightweight and compact



PRESTO II Complete Set

Optic	MODEL	ORDER CODE
—	PRESTO II	Y150022

- Contents
- PRESTO II unit
 - PRESTO handpiece
 - Handpiece stand
 - Hose for PRESTO
 - Foot control (AFC-40)
 - Secondary hose for PRESTO

PRESTO Handpiece

- 320,000 min⁻¹
- Requires no lubrication
- Low noise and vibration
- Unique dust-proof mechanism



Optic	MODEL	ORDER CODE
—	PR-HP	T815

- Includes 2 m hose

SPARE PARTS / COMPONENTS

Couplings P.16-18

MODEL	PRODUCTS	ORDER CODE
Non-Retraction Valve		P401054
LED Assy		P1001066
TA Bulb Pack of 3		Y900132

Ti-Max Z Series P.23-29

MODEL	PRODUCTS	ORDER CODE
TiZ-MU03 Cartridge for Miniature head		Y1002075
TiZ-SU03 Cartridge for Standard head		Y1002076
PTL O-ring Set Pack of 5		Y900580
LED Assy		P1001066

S-Max M Series P.30-33

MODEL	PRODUCTS	ORDER CODE
SX3-MU03 Cartridge for Miniature head		P1280
SX3-SU03 Cartridge for Standard head		P1281
PTL O-ring Set Pack of 5		Y900580
LED Assy		P1001066

MODEL	PRODUCTS	ORDER CODE
PTL Bulb Pack of 3		Y900529
O-ring Set For KCL / LED		Y900211
SCL O-ring		D0312055100

MODEL	PRODUCTS	ORDER CODE
TiZ-MU04 Head cap for Miniature head		P1051050
TiZ-SU04 Head cap for Standard head		P1052050
TiZ-MU05 Head cap wrench for miniature head		Z265006
TiZ-SU05 Head cap wrench for standard head		Z265007

MODEL	PRODUCTS	ORDER CODE
TA Bulb Pack of 3		Y900132
SX-MU04 Head cap for Miniature head		P1001500
SX-SU04 (YOS)		P1027500
SX-SU05 Head cap wrench for Miniature head & Standard head		20000535

S-Max pico Series P.34-39

MODEL	PRODUCTS	ORDER CODE
SX-PU03 Cartridge for S-Max pico		P1140200
PTL O-ring Set Pack of 5		Y900580
LED Assy		P1001066

Ti-Max X450 Series P.40-43

MODEL	PRODUCTS	ORDER CODE
TiX45-SU03 Cartridge for Standard head		Y1001906
TiX45-SU04 Head cap for Standard head		P1078500

DynaLED P.44-47

MODEL	PRODUCTS	ORDER CODE
SX-MU03 Cartridge for Miniature head		P1001250
SX-SU03 Cartridge for Standard head		P1002250
SX-MU04 Head cap for M500LG B2		P1001500
SX-SU04 Head cap for M600LG B2		P1002500

FX Plus P.48-49

MODEL	PRODUCTS	ORDER CODE
SX3-MU03 Cartridge for Miniature head		P1280
SX3-SU03 Cartridge for Standard head		P1281
SX-MU04 Head cap for Miniature head		P1001500

MODEL	PRODUCTS	ORDER CODE
SX-PU04 Head cap for S-Max pico		P1140500
SX-PU05 Head cap wrench for S-Max pico		20002803

MODEL	PRODUCTS	ORDER CODE
LED Assy		P1001066
PTL O-ring Set Pack of 5		Y900580

MODEL	PRODUCTS	ORDER CODE
SX-MU04 (YOS) Head cap for M500LG M4		P1026500
SX-SU04 (YOS) Head cap for M600LG M4		P1027500
SX-MU04 (DQD) Head cap for M500LG QD		P1109500
SX-SU04 (DQD) Head cap for M600LG QD		P1108500

MODEL	PRODUCTS	ORDER CODE
SX-SU04(YOS) Head cap for Standard head		P1027500
SX-SU05 Head cap wrench for Miniature head & Standard head		20000535

PanaAir FX P.50-53

MODEL	PRODUCTS	ORDER CODE
PAX2-SU03 Cartridge for PAF-SU		P1190
PAX2-TU03 Cartridge for PAF-TU		P1216
PAX2R-S03 Cartridge for PAF-S		T1040
PAX2R-T03 Cartridge for PAF-T		T1066
PAX2-SU04 Head cap for PAF-SU		P1190050

Ti-Max X Series

MODEL	PRODUCTS	ORDER CODE
TiX-MU03 Cartridge for Miniature Head		Y900200
TiX-SU03 Cartridge for Standard Head		Y1001022
TiX-TU03 Cartridge for Torque Head		Y1001023
PTL O-ring Set Pack of 5		Y900580
LED Assy		P1001066
TA Bulb Pack of 3		Y900132

MODEL	PRODUCTS	ORDER CODE
PAX2-TU04 Head cap for PAF-TU		P1216050
PAX2R-S04 Head cap for PAF-S		T1040050
PAX2R-T04 Head cap for PAF-T		T1066050
PAX2-SU05		P1190765
Bur Wrench		T100702

MODEL	PRODUCTS	ORDER CODE
TiX-MU04 Head cap for Miniature Head		P067050
TiX-SU04 Head cap for Standard Head		P068050
TiX-TU04 Head cap for Torque Head		P069050
Head Cap Wrench for X500		Z265005
Head Cap Wrench for X600		Z265004
Head Cap Wrench for X700		Z265003

Ti-Max AL, AKL, ASL, AWL, ABL, A Series

MODEL	PRODUCTS	ORDER CODE
Ti-MU03 Cartridge for Miniature Head		P057
Ti-SU03 Cartridge for Standard Head		P058
Ti-TU03 Cartridge for Torque Head		P059
PTL O-ring Set Pack of 5		Y900580
TA Bulb Pack of 3		Y900132

Mach-Lite XT / Mach 2 / 200L / 300L / 400L Series

MODEL	PRODUCTS	ORDER CODE
NMC-MU03 Cartridge for Miniature Head		P047
NMC-SU03 Cartridge for Standard Head		P045
NMC-TU03 Cartridge for Torque Head		P046
PTL O-ring Set Pack of 5		Y900580
TA Bulb Pack of 3		Y900132

Ti-Max 450

MODEL	PRODUCTS	ORDER CODE
NCH-SU03 Cartridge for Standard Head		P041
NCH-MU04 Head cap for Standard Head		P040050

MODEL	PRODUCTS	ORDER CODE
Ti-MU04 Head cap for Miniature Head		P057050
Ti-SU04 Head cap for Standard Head		P058050
Ti-TU04 Head cap for Torque Head		P059050
Ti-MU05 Head cap wrench for Miniature Head		Z265002
TF-SU05 Head cap wrench for Standard and Torque Head		Z265001

MODEL	PRODUCTS	ORDER CODE
NMC-MU04 Head cap for Miniature Head		P047050
NCH-MU04 Head cap for Standard Head		P040050
NCH-TU04 Head cap for Torque Head		P042050
MC-SU05 Head cap wrench for Miniature, Standard and Torque Head		P040765

MODEL	PRODUCTS	ORDER CODE
TA Bulb Pack of 3		Y900132
PTL O-ring Set Pack of 5		Y900580

Pana-Max Series

MODEL	PRODUCTS	ORDER CODE
PAX-SU03 Cartridge for Standard head, includes O-ring & wave washer		Y900772
PAX-TU03 Cartridge for Torque head, includes O-ring & wave washer		Y900773
PAX-SU04 Head cap for Standard Head		P074050

Pana Air Σ Series

MODEL	PRODUCTS	ORDER CODE
NPA-MU03 Miniature UP Cartridge		P004
NPA-SU03 Standard UP Cartridge		P014
NPA-TU03 Torque UP Cartridge		P024
NPA-M03 Miniature Cartridge		T004
NPA-S03 Standard Cartridge		T014
NPA-T03 Torque Cartridge		T034

FX Series P.68-71

MODEL	PRODUCTS	ORDER CODE
FX25-04 Head cap for FX25, FX23		C1052500
FX25-03 Cartridge for FX25		C1052700
FX23-03 Cartridge for FX23		C1056700
FX Spray nozzle For FX25, FX23, FX15		C1052702

MODEL	PRODUCTS	ORDER CODE
PAX-TU04 Head cap for Torque Head		P075050
PAX-SU05 Head cap wrench for Standard and Torque Head		P074765

MODEL	PRODUCTS	ORDER CODE
Bur Wrench For Miniature		T102702
Bur Wrench For Standard & Torque		T100702
PA-S04 Miniature, Standard Head cap		T110290
PA-T04 Torque Head cap		T130290
PA-S07 Miniature, Standard Head cap wrench		T110765
MC-SU05 Torque Head cap wrench		P040765

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For FX65		H019711
FX Wrench For FX25, FX23		C1052701
Tube		Z166101

EX Series / Ti-Max X95EX

MODEL	PRODUCTS	ORDER CODE
FPB-03 Cartridge for FPB		C875060
NAC-03 Cartridge for NAC		C030011
BB-03 Cartridge for BB		C037015
NBB-03 Cartridge for NBBW		C210015
FFB-03 Cartridge for FFB		C884060
Spray Nozzle For NAC, BB, FPB, FFB, TEP		C032701

NLZ P.76-79

MODEL	PRODUCTS	ORDER CODE
O-ring Set		Y1003728
O-ring		D0312010050
NLZ		E1152051
NLZ E U		U1142002
NLZ CD		E1152061
Purge Nozzle		Z1259080

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For EX-5B, EX-6B		H019711
FPB-02 Middle Gear		C875012
NAC-02 Middle Gear		C032012
Cap Wrench for AR-Y(S)		C185751
Cap Wrench Black		C071751
Tube		Z166101

MODEL	PRODUCTS	ORDER CODE
NLAC		U499001
AC Cord		U439550
NLZ STAY		Z1321
NLZ U BRACKET		Z1322
NLZ MOUNTING PLATE		Z1323

Built-in P.106

MODEL	PRODUCTS	ORDER CODE
Potentiometer Set Potentiometer for Varios 170/Lux		Y1001440
3 Mode Select Switch Set 3 Mode Select Switch for Varios 170/Lux		Y1001793

Micromotors

MODEL	PRODUCTS	ORDER CODE
TA-LED Assy		10001791
TA Bulb Pack of 3 for Ti40, Ti205L		Y900132
TM Bulb Pack of 3 for Tim40, Ti205L		Y900078

Varios Combi Pro P.94-101

MODEL	PRODUCTS	ORDER CODE
Chamber (For Prophy use)		U1135018
Chamber (For Perio use)		U1135019
Handpiece Hose (For Prophy use)		T1051001
Handpiece Hose (For Perio use)		T1053001
Powder Handpiece (For Prophy use)		T1074001
Powder Handpiece (For Perio use)		T1077001
Nozzle (For Prophy use)		T1074012
Nozzle (For Perio use)		T1077012
VCP Bottle Set Bottle and Cap		U1135017

MODEL	PRODUCTS	ORDER CODE
Solenoid Valve		U387014

MODEL	PRODUCTS	ORDER CODE
O-ring set Pack of 3 for all models		M154060
O-ring		D0313084070
O-ring Complete set Pack of 4 for all models		E1135083

MODEL	PRODUCTS	ORDER CODE
VA2-LUX-HP Optic Handpiece		E351050
VA2LUX-SC Handpiece Cord for VA2LUX		E351054
FC-79 Foot Control		Z1256001
Water Filter Set 3.6 m		U1135078
Water Filter		U387042
Water Filter Set		Y900069
Water Pressure Reducing Valve		U1135093
CR-10 Tip Wrench		Z221076
Tip Holder		Z221A080

Varios Combi Pro P.94-101

MODEL	PRODUCTS	ORDER CODE
Tip Cover L		Z217850
Tip Cover S		Z217851
Sterilization case		Z1035001
Irrigation Pump		U1135079
O-ring set (Chamber Base Connector) (Pack of 5)		Y1003435
Chamber Cap		U1135089
O-ring For Chamber Cap		Y1003545
O-ring set (Irrigation Bottle)		Y1003544
O-ring 1 for the Handpiece Cord		Y1003546
O-ring set Handpiece Hose		Y1003500
O-ring set (Nozzle)		Y1003501
Air Hose 3.6 m		D0914406036

MODEL	PRODUCTS	ORDER CODE
Spanner Wrench 5x8 (Pack of 2)		Y1001301
Ring Wrench		T1074601
E Tip Replacement Wrench		Z217399
Perio-Mate Nozzle Tip (Pack of 40)		Y1002741
Nozzle Tip Remover		T1043751
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095
Cleaning File		T798092
Cleaning Brush		T798093
Unlocking tool		U1135256
Fuse		D1202220010

Varios 970 / 570 / 370 / 170 P.102-106

MODEL	PRODUCTS	ORDER CODE
VA2-LUX-HP Optic Handpiece		E351050
VA2-HP Non-Optic Handpiece		E350050
VA970LUX-SC Handpiece Cord for Varios 970 LUX		E351055
VA970-SC Handpiece Cord for Varios 970		E350055
VA170LUX-SC Handpiece Cord for Varios 170 LUX		E351056
VA170-SC Handpiece Cord for Varios 170		E350056
FC-70 Foot Control (2.5 m)		Z1008001
FC-71 Foot Control (5 m) for Varios 370		Z1008002
AC Adaptor (2 m) For Varios 570		Y1001762
AC Adaptor (5 m) For Varios 370		Y1001790
Water Supply Connector		U387030
Water Filter Set (2 m) 2 water supply tube, water filter, water filter case		U387040
Water Filter Set (4 m) For Varios 370 2 water supply tube, water filter, water filter case		U1007080
Water Supply Tube (2 m)		U387580
Water Supply Tube (4 m) For Varios 370		D0914406040
Water Filter Case		Y900069
Water Filter		U387042

MODEL	PRODUCTS	ORDER CODE
Tube Ring (Pack of 2)		Y900077
CR-10 Tip Wrench		Z221076
E Tip Replacement Wrench		Z217399
Tip Holder		Z221A080
Tip Cover L		Z217850
Tip Cover S		Z217851
Sterilization case		Z1035001
Handpiece Holder For Varios 370		10001505
VA Bottle 400 (400 mL) For Varios 970		Z1047002
Irrigation Pump For Varios 970		10000643
O-ring For Handpiece Cord		D0310020080
O-ring Thin section For VA Bottle 400		D0312090100
O-ring Thin section For VA Bottle 400		D0310075150
Varios 350/370 Stand		Z254
Varios 350/370 Mounting Bracket		Z259
Control Unit Holder For Varios 370		Y1001812
Spanner Wrench 5x8 (Pack of 2)		Y1001301

Varios 750 / 560 / 350 / 150

MODEL	PRODUCTS	ORDER CODE
VA-LUX-HP Optic Handpiece		E250050
VA-HP Non-optic Handpiece		E177050
VA750LUX-SC Handpiece Cord for Varios 750 LUX		E250055
VA560LUX-SC Handpiece Cord for Varios 560 LUX		E250060
Middle Sheath		E250075
VA750-SC Handpiece Cord for Varios 750		E177055
VA-SC Handpiece Cord for Varios 560		E177060
FC-60 Foot Control, 2.5 m for Varios 750, 750 LUX 560 & 560 LUX		Z297001
FC-61 Foot Control, 4 m for Varios 350 & 350 LUX		Z300001
VA350 AC Adaptor Varios 350 & 350 LUX		U430001
Varios 150 Lux Built-in Module		U387012
Varios 150 Built-in Module		U387015
VA 150 LUX-SC Optic Cord		E250062
VA 150-SC Non-optic Cord		E177062
Varios 350/370 Stand		Z254
Varios 350/370 Mounting Bracket		Z259
Unit Holder For Varios 350		Z253

MODEL	PRODUCTS	ORDER CODE
VA Bulb Pack of 3		Y900107
Water Supply Tube 2 m		U387580
Water Supply Connector		U387030
Water Filter Set (2 m) 2 water supply tube, water filter, water filter case		U387040
Water Filter Case		Y900069
Water Filter		U387042
Tube Ring Pack of 2		Y900077
CR-10 Tip Replacement Wrench with Torque Limiter		Z221076
Handpiece holder For Varios 350 & 150		Z250001
E Tip Replacement Wrench		Z217399
Tip Holder		Z221A080
Tip Cover L		Z217850
Tip Cover S		Z217851
VA Bottle 350 mL for Varios 750		U424060
VA Bottle 500 mL for Varios 750		U424062
Irrigation Pump for Varios 750		U424061

S970 / AS2000 Air Scaler P.128-133

MODEL	PRODUCTS	ORDER CODE
CR-20 Tip Replacement Wrench with Torque Limiter		Z1090001
E Tip Replacement Wrench		Z217399
Tip Holder		Z252A080
Lubrication Oil		Z016112

Ti-Max Air Scaler

MODEL	PRODUCTS	ORDER CODE
CR-20 Tip Replacement Wrench with Torque Limiter		Z1090001
Tip Holder		Z252A080
Tip Cover L		Z217850

TASKAL Wizard

MODEL	PRODUCTS	ORDER CODE
NE140 Power Cord is included		Y140988

* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride).
Never attempt to use a non rechargeable battery.

Prophy-Mate neo P.140-143

MODEL	PRODUCTS	ORDER CODE
PMN-HP Handpiece with 60° nozzle head		T797010
Nozzle 60°		T797012
Nozzle 80°		T797013
Powder Case Cover		T798133
Gasket		T798135

MODEL	PRODUCTS	ORDER CODE
Tip Cover L		Z217850
Tip Cover S		Z217851
S970 O-ring Set Pack of 4, for S970		Y1001953
PTL O-ring Set Pack of 5		Y900580

MODEL	PRODUCTS	ORDER CODE
Tip Cover S		Z217851
PTL O-ring Set Pack of 5		Y900580
Lubrication Oil		Z016112

MODEL	PRODUCTS	ORDER CODE
Ni-MH Rechargeable Battery Pack of 2		Y900103

MODEL	PRODUCTS	ORDER CODE
O-ring (Front Nozzle)		D0312039070
O-ring (neo) (Rear Nozzle)		D0312029070
PTL O-ring Set (Pack of 5)		Y900580
PM O-ring Set (Pack of 3)		Y900054
Ring Wrench		T797601

Prophy-Mate neo P.140-143

MODEL	PRODUCTS	ORDER CODE
Blower Nozzle-PTL (neo)		T798094
Blower Nozzle-KV (neo)		T886094
Blower Nozzle-SR (neo)		T887094
Blower Nozzle-WH (neo)		T888094
Blower Nozzle-BA (neo)		T889094
Blower Nozzle-M4 (neo)		T884094

Prophy-Mate

MODEL	PRODUCTS	ORDER CODE
PM-S Handpiece Short type		T706010
PM-L Handpiece Long type		T705010
PM-PTL For NSK coupling		T705020
PM-KV For KaVo® coupling		T739020
PM-SR For Sirona® Quick coupling		T740020
PM-WH For W&H® Roto Quick coupling		T745020
PM-M4 For Midwest 4 hole joint		T719020
Powder Case Cover		T705133 T705233 T705333
PTL O-ring Set Pack of 5		Y900580
PM O-ring Set Pack of 3		Y900054
O-ring Front nozzle		D0312039070

MODEL	PRODUCTS	ORDER CODE
Blower Nozzle-B2 (neo)		T885094
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095
Cleaning File		T798092
Cleaning Brush		T798093

MODEL	PRODUCTS	ORDER CODE
O-ring Rear nozzle		D0312029070
Nozzle		T705A013
Ring Wrench		T705401
Blower Nozzle		T705094
Air Gasket		T705136
Gasket		T705135
Lubrication Oil		Z016112
Cleaning Wire		T705090
Cleaning File		T705167
Cleaning Brush		T705092

Perio-Mate P.144-147

MODEL	PRODUCTS	ORDER CODE
PER-HP		T1043010
		
Nozzle		T1043012
		
Powder Case Cover		T798133
		
Gasket		T798135
		
O-ring (Front Nozzle)		D0312039070
O-ring (PER) (Rear Nozzle)		D0312023060
PTL O-ring Set (Pack of 5)		Y900580
PM O-ring Set (Pack of 3)		Y900054
Ring Wrench		T797601
Nozzle Tip Remover		T1043751
Blower Nozzle-PTL (PER)		T1042094

ENDO-MATE TC2 P.150-151

MODEL	PRODUCTS	ORDER CODE
ENDO-MATE TC2 Motor		E346
Battery Charger		U614
Cord for MPA, MPAS		C876021B

* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride).
Never attempt to use a non rechargeable battery.

MODEL	PRODUCTS	ORDER CODE
Blower Nozzle-KV (PER)		T1044094
Blower Nozzle-SR (PER)		T1046094
Blower Nozzle-WH (PER)		T1048094
Blower Nozzle-BA (PER)		T1050094
Blower Nozzle-M4 (PER)		T1052094
Blower Nozzle-B2 (PER)		T1054094
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095
Cleaning File		T798092
Cleaning Brush		T798093

MODEL	PRODUCTS	ORDER CODE
Connection Cord Clip		C876509
Power Cord		U439550
Ni-MH Rechargeable Battery Pack of 2		Y900103

ENDO-MATE TC

MODEL	PRODUCTS	ORDER CODE
Connection Cord Clip		C876509
Ni-MH Rechargeable Battery Pack of 2		Y900103

ENDO-MATE DT P.152-153

MODEL	PRODUCTS	ORDER CODE
ENDO-MATE DT Unit		U421002
ENDO-MATE DT Motor & Cord		E275
Handpiece Stand		Z095205
Cord for MPA, MPAS		C876021

* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride).
Never attempt to use a non rechargeable battery.

ENDO-MATE AT P.154-155

MODEL	PRODUCTS	ORDER CODE
Cord For MPA, MPAS		C876021

ENDO-MATE TC2 / ENDO-MATE DT / ENDO-MATE AT Heads P.150-157

Heads for Endodontic Application

MODEL	PRODUCTS	ORDER CODE
MP-Y Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C547
	360° Rotation 	
MPA-Y Connection for Apex locator (for long shank), Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C548
	360° Rotation 	
MPAS-Y Connection for Apex locator (for short shank), Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C882
	360° Rotation 	

MODEL	PRODUCTS	ORDER CODE
NE140 Power Cord is included		Y140988
ENDO-MATE DT Adaptor		U480
Connection Cord Clip		C876509
Rechargeable Batteries		U421070
FC-15 Foot Control		Z248

MODEL	PRODUCTS	ORDER CODE
Connection Cord Clip		C876509

Endodontic / Prophylaxis Application

MODEL	PRODUCTS	ORDER CODE
F10R 10:1 Reduction		C398
		
F16R 16:1 Reduction		C871
		
F20R 20:1 Reduction		C399
		

ENDO-MATE TC2 / ENDO-MATE DT / TASKAL Wizard Heads P.150-157

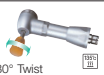
MODEL	PRODUCTS	ORDER CODE
AR-Y (S) Prophy head, for screw-in cups		C187
AR-Y (K) Prophy head, for snap-on cups		C188
NAC-Y Prophy head, for CA bur (ø2.35), Latch type		C032002

iPexII P.158-159

MODEL	PRODUCTS	ORDER CODE
iPexII File Clip		U1109351
iPexII Tester		U1109353

iPex

MODEL	PRODUCTS	ORDER CODE
File Clip		U501512
Extension Cord		U501514

MODEL	PRODUCTS	ORDER CODE
TEQ-Y Prophy head, for CA bur (ø2.35), Push Button Chuck		C849001
EVA-Y For Eva tips		C235

MODEL	PRODUCTS	ORDER CODE
iPexII Probe		U1109352
Lip Hook		U501513

MODEL	PRODUCTS	ORDER CODE
Probe		U501511
Lip Hook		U501513

VIVA ace P.162-167

MODEL	PRODUCTS	ORDER CODE
isoE-LUX		Z1265
V-ace Vacuum Nozzle (Pack of 10)		S900070
V-ace Vacuum Hose Set		U1144074
V-ace Vacuum Bottle Set		U1146070
V-ace Vacuum Bottle Cap		UA11440195
V-ace Suction Waste Bottle		U1146075
VS Suction Waste Bottle Lid		Z1240051
Filter including O-Ring		UA11440189
O-Ring for Filter		D0312128060
V-ace 3 way Syringe Set		U1144040
V-ace 3 way Syringe Nozzle		U1144046
V-ace Vacuum Junction Hose		U1144753
Vacuum Cap A		U1144750

MODEL	PRODUCTS	ORDER CODE
Vacuum Cap B		U1144751
Hose Cap		U1144752
V-ace Water Bottle Set		U1146080
V-ace Water Bottle Cap		UA11460103
V-ace Water bottle		U1146085
FC-76S Foot Control		Z1082005
FC-70S Foot Control		Z1008006
AC Power Cord		U439550
Shoulder Belt		U1144370
Gasket For Water Bottle		U1144729
Gasket For Vacuum Bottle		U1144636
Gasket For Vacuum Bottle		Z1137352

VIVAMATE G5 P.168-169

MODEL	PRODUCTS	ORDER CODE
VIVAMATE G5 230V Control unit		U1068004
VMG30EM MC VIVAMATE G5 Micromotor with Cord		E1069002
FC-76M Foot Control	 (Optional)	Z1082002
Handpiece Stand		Z095205

VIVAsupport 2 P.170-172

MODEL	PRODUCTS	ORDER CODE
FC-76M Foot Control	 (Optional)	Z1082002
VS Branch Tube set For Varios 370	 (Optional)	Z1125091
Battery Pack		U1068052
Junction Cable		U1089600
Disposable Saliva Ejector Pack of 10		Z1137054
VS Saliva Tube A set of Saliva Joint, Saliva Inline, and Saliva Tube		Z1137050
Saliva Tube Only tube		Z1137560
Saliva Drain Tube		Z1137401
VS Saliva Bottle Connection Tube		Z1137056

MODEL	PRODUCTS	ORDER CODE
Battery Pack		U1068052
AC Adaptor For VIVAMATE G5		U1115
AC Power Cord		U439550
Carrying Set For VIVAMATE G5		Y1002171

MODEL	PRODUCTS	ORDER CODE
VS Saliva Bottle Set 400		Z1137002
VS Irrigation Bottle Set 400		Z1125001
VS Irrigation Pump A set of Irrigation Joint and Irrigation Pump		U1089010
VS Irrigation Tube		Z1125050
Tube Clamp Set Pack of 6		U1089058
AC Adaptor With Waterproof Rubber Sheet		U1115003
AC Cord		U439550
VS Carrying Case		U1089054
VS Tray		U1089111

Surgic Pro / Surgic Pro+

MODEL	PRODUCTS	ORDER CODE
Tube Holder	 	E295105
Motor Cord	 	E1023061
Handpiece Stand	 	Z1029201
Irrigation Tube Pack of 5	 	Y900113
Coolant Solution Hanger Post		U370152

Surgic Pro / VarioSurg3

MODEL	PRODUCTS	ORDER CODE
SG Link Stand		Z1176

VarioSurg3

MODEL	PRODUCTS	ORDER CODE
E Tip Replacement Wrench For V10-S	 	Z217399
VS Tip Wrench For SG1A, SG8A CR-40	 	Z305350
Tip Wrench CR-30	 	10000977
Tips Holder	 	20001327
Handpiece Stand	 	Z1029201

MODEL	PRODUCTS	ORDER CODE
Handle Set		Z1027001
Protection Plug	 	10001595
Tube Holder Pack of 7	 	Y900083
SG-CASE Sterilization Cassette	 	20001348

MODEL	PRODUCTS	ORDER CODE
SG Link Cable		Z1189

MODEL	PRODUCTS	ORDER CODE
Saline Solution Hanger Post		U564152
Irrigation Tube Pack of 5		Y900113
Tube Holder Pack of 7	 	Y900767
VA-SG-CASE Sterilization Cassette	 	20001326

VarioSurg

MODEL	PRODUCTS	ORDER CODE
VS-LED-HPSC Cord 2 m		E1084
VA-SGN-HPSC Cord 2 m		E377
E Tip Replacement Wrench		Z217399
Tip Wrench CR-30		10000977
Tips Holder		20001327
Handpiece Stand		Z1029201

Surgic AP

MODEL	PRODUCTS	ORDER CODE
SG50MS		E290
Irrigation Tube Pack of 5		Y900197
Irrigation Pump Pack of 2		Y1002196

MODEL	PRODUCTS	ORDER CODE
FC-51 Foot Control		Z316001
Irrigation Tube Pack of 5		Y900113
VA Bulb Pack of 3		Y900107
Tube Holder Pack of 7		Y900767
VA-SG-CASE Sterilization Cassette		20001326

MODEL	PRODUCTS	ORDER CODE
Protection Plug		10001595
Tube Holder Pack of 7		Y900083

Surgic XT Plus / LED / Surgic XT

MODEL	PRODUCTS	ORDER CODE
SG50 LED Micromotor with Cord		E1049001
SGL50M Micromotor with Cord		E295
SG50MS Micromotor with Cord		E290
Tube Holder		E295105
Surgic XT Plus Micromotor Cord 2 m		E295051
Surgic XT Micromotor Cord 2 m		E290051
Handpiece Stand		Z1029201

Implant Handpieces

MODEL	PRODUCTS	ORDER CODE
Internal Spray Nozzle		10000324
Internal Spray Nozzle M For X-SG20ML, SG20M		10001364
Nozzle Holder X-SG20L / nanoSG20LS X-DSG20Lh, X-DSG20h X-DSG20L, X-DSG20		20000396
Nozzle Holder For SG20		20000357

Surgical Handpieces Ti-SG20L / Ti-SG25L

MODEL	PRODUCTS	ORDER CODE
Internal Spray Nozzle		C495035

MODEL	PRODUCTS	ORDER CODE
TA Bulb Pack of 3		Y900132
FC-51 Foot Control		Z272001
Coolant Solution Hanger Post		U370152
Handle Set for Foot Control		Z1027001
Protection Plug		10001595
Irrigation Tube Pack of 5		Y1003452
Tube Holder Pack of 7		Y900083

MODEL	PRODUCTS	ORDER CODE
Nozzle Holder For X-SG20ML		CA13030107
Nozzle Holder For SG20M		CA13020115
Y-Connector		C823752
Cleaning Wire		20000512

MODEL	PRODUCTS	ORDER CODE
Y-Connector		C823752

Surgical Handpieces SGM / SGMS / SGQ series

MODEL	PRODUCTS	ORDER CODE
SGM-I Ultra Miniature Head Latch type		C293
SGMS-I With Depth Indicator		C594001
ER16i 16:1 Reduction Handpiece		C628001
ER20i 20:1 Reduction Handpiece		C629001
Internal Spray Nozzle For SGM, SGMS		C293025
Internal Spray Nozzle For SGQ		C823026
Internal Spray Nozzle Clamp For SGQ		C823751

Micro Surgery Handpieces

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For SGS, SGA		H263018

Micro Saw Handpieces

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For SGR, SGT, SGO		SH162035

Osseo 100

MODEL	PRODUCTS	ORDER CODE
MulTipeg Driver		55003
Sterile cover		55105
Mains adapter		55093
EU plug		55094

MODEL	PRODUCTS	ORDER CODE
Irrigation Tube Clamp		C202750
Y-Connector		C823752
Wrench for Handpiece Attachment For SGM, SGMS		Z103101
Wrench for Handpiece Attachment For SGQ		Z103118
Ruler For SGMS		Z217399
Depth Indicator (L) For SGMS		C594031
Depth Indicator (S) For SGMS		C594021

MODEL	PRODUCTS	ORDER CODE
Bur Stopper		Y900160

MODEL	PRODUCTS	ORDER CODE
Spanner 8x5		K040751

MODEL	PRODUCTS	ORDER CODE
UK plug		55095
AU plug		55096
US plug		55097

iSD900

MODEL	PRODUCTS	ORDER CODE
Quick Charger for iSD900		U1070001
iSD900 Motor		E1060001
iSD-HP		C1060001
Power Cord		U439550

* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride).
Never attempt to use a non rechargeable battery.

iCare

MODEL	PRODUCTS	ORDER CODE
Maintenance Oil 1 Bottle, 1 L		Z016130
Chuck Lubrication Nozzle		Z257301
Mist Filter Set Pack of 12		Y900159

Care3 Plus / Care3

MODEL	PRODUCTS	ORDER CODE
Maintenance Oil 1 Bottle, 1 L		Z016117
Maintenance Oil Pack of 6 Bottles		Y900138
Oil Replenish Funnel with Filter		U433090

Care3 Plus

MODEL	PRODUCTS	ORDER CODE
Mist Filter Set Pack of 12		Y900159
Air Filter		U508352
Air Filter Element		U508353

MODEL	PRODUCTS	ORDER CODE
Torque Calibrator		Z1056001
Calibration Bur		Z1057101
On/Off Switch Lever		Z1070001
Ni-MH Rechargeable Battery Pack of 2		Y900103

MODEL	PRODUCTS	ORDER CODE
Air Filter		U508352
HP Head Filter Pack of 200		U1120118
Oil Absorber Sheet Pack of 10		U433135

MODEL	PRODUCTS	ORDER CODE
Oil Absorber Sheet Pack of 20		Y900186
Oil Absorber Sheet Pack of 10		U433135

MODEL	PRODUCTS	ORDER CODE
Oil Absorber Sheet Pack of 20		Y900186
Oil Absorber Sheet		U433135

ULTIMATE XL / XL-D / XL-K / XL-F

MODEL	PRODUCTS	ORDER CODE
UMXL-TM Motor Torque type (with 1.2 m cord)		E355
UMXL-CM Motor Compact type (with 1.2 m cord)		E356
UMXL-TM 2 M Motor Torque type (with 2 m cord)		E355002
UMXL-CM 2 M Motor Compact type (with 2 m cord)		E356002
UHRXL-T Attachment Torque type		H269
UHRXL-C Attachment Compact type		H271
Motor Cord T (Torque type 1.2 m)		E355051
Motor Cord C (Compact type 1.2 m)		E356051
Motor Cord T 2M (Torque type 2 m)		E355055
Motor Cord C 2M (Compact type 2 m)		E356055

MODEL	PRODUCTS	ORDER CODE
FC-64 Foot Control (For XL / XL-D)		Z304
Handpiece Stand (wrench is not included)		Z095201
Chuck-2.35A		H203A180A
Handpiece Holder (For XL)		Y900770
Wrench for Locking Rotation		H269751
Wrench for Adjusting Chuck		K015751
Bracket Set (For XL-D / XL-K)		U364090
Fuse-T1.6A		D1202216010
UMXL-TM Armature Assy		E367011
UMXL-CM Armature Assy		E368011

ULTIMATE 500 / 500D / 500K / 500F

MODEL	PRODUCTS	ORDER CODE
UM50T Motor Handpiece Torque type		Y140562
UM50C Motor Handpiece Compact type		Y140563
UM50T 2M Motor Handpiece Torque type		Y140670
UM50C 2M Motor Handpiece Compact type		Y140671
UM50TM 2M Motor Torque type Includes 2 m cord		E113002
UM50CM 2M Motor Compact type Includes 2 m cord		E187002
UHR50T Attachment Torque type		H165
UHR50C Attachment Compact type		H189

ULTIMATE 450 / 450K / 450F

MODEL	PRODUCTS	ORDER CODE
UM45C Motor handpiece for UM450 Includes 2 m Cord and 2 different Wrenches		Y141266
UM45CM Motor for UM450 Includes 2 m cord		E187005
UHR45C Attachment for UM450		H203002
UM45CM Cord 2 m		E187061
FC-40 Foot Control For 450		Z056
Handpiece Stand Wrench is not included		Z095201

MODEL	PRODUCTS	ORDER CODE
UM50TM Cord 2 m		E113055
UM50CM Cord 2 m		E187055
FC-40 Foot Control For 500, 500D		Z056
Handpiece Stand Wrench is not included		Z095201
Chuck-2.35 A		H203A180A
Handpiece Holder		Y900071
Wrench for Locking Rotation		H269751
Wrench for Adjusting Chuck		K015751

MODEL	PRODUCTS	ORDER CODE
Chuck-2.35 A		H203A180A
Handpiece Holder		Y900071
Wrench for Locking Rotation		H269751
Wrench for Adjusting Chuck		K015751
Bracket Set For 450K		U364090

VOLVERE i7

MODEL	PRODUCTS	ORDER CODE
GX35RM-B & SCD Motor + cord		E1179
GX35EM-B & SCD E-type motor + cord		E1180
UHR45C Handpiece for GX35RM-B		H203002
VR-EB E-Type Handpiece		H1062
Carbon Brush For GX35RM-B / GX-35EM-B (Pack of 2)		E023011S

VOLVERE Vmax

MODEL	PRODUCTS	ORDER CODE
GX35RM & SCD Standard Micromotor with Cord for UHR35		E205
GX35EM & SCD E-Type Micromotor with Cord for VR-E		E054
GX35RM Standard Micromotor for UHR35		E205015
GX35EM E-Type Micromotor for VR-E		E054015
UHR35 Handpiece		H214
VR-E E-Type Handpiece		H178
Carbon Brush for GX35M, GX35EM Pack of 2		E023011S

MODEL	PRODUCTS	ORDER CODE
Chuck-2.35A		H203A180A
FC-76 Foot Control		Z1082001
Handpiece Stand		Z095205
Wrench for Adjusting Chuck		K015751

MODEL	PRODUCTS	ORDER CODE
Chuck-2.35 A		H203A180A
Handpiece Stand		Z095201
Handpiece Holder		Y900140
FC-40 Foot Control		Z056
Vmax35SCD Straight Cord		E257012
Vmax35CCD Coiled Cord		E257013
Wrench for Adjusting Chuck		K015751

MIO

MODEL	PRODUCTS	ORDER CODE
MIO MR UM50 Motor handpiece		Y140802
MIO-35EM & SCD E-Type Micromotor with Cord		E236
MIO-35M Micromotor		E235015
MR Handpiece		H203
MIO-35EM E-Type Micromotor		E236015

PRESTO AQUA LUX

MODEL	PRODUCTS	ORDER CODE
PRESTO AQUA LUX Control Unit		Z1038A002
PRA-LUX-HP PRESTO AQUA LUX Handpiece		T1002
PR-AQL Hose Coupling Hose		Z1050
PR-AQL03 PRESTO AQUA LUX Cartridge		T1002250

PRESTO AQUA II

MODEL	PRODUCTS	ORDER CODE
PRESTO AQUA II Unit		Z308015
PRA-HP PRESTO AQUA Handpiece		T816
Hose for PRESTO AQUA II		Z308050

MODEL	PRODUCTS	ORDER CODE
MIO-35SCD Cord		E235012
Chuck-2.35 A		H203A180A
Handpiece Stand		Z010133
Carbon Brush For MIO-35M, MIO-35EM		E194060
FC-11 Foot Control (ON, OFF)		Z154002

MODEL	PRODUCTS	ORDER CODE
Handpiece Stand		Z095206
AC Adaptor PR-AQL		Y1500004
PRESTO AQUA LUX Cord		U439550
PTL O-ring Set Pack of 5		Y900580

MODEL	PRODUCTS	ORDER CODE
QD-J B3 Coupling		T354051
PR-AQ03 PRESTO AQUA Cartridge		T816016

PRESTO AQUA LUX / PRESTO AQUA II

MODEL	PRODUCTS	ORDER CODE
Bottle Gasket		U379112
Chuck		T815019
AFC-40 Foot Control		Z127
Secondary Hose for PRESTO 2 m		Z101240
Water Filter Set 2 water supply tube, water filter, water filter case		U387040
Water Filter with Case		Y900069
Water Filter		U387042
Tube Ring Pack of 2		Y900077

PRESTO II

MODEL	PRODUCTS	ORDER CODE
PRESTO II Unit		Z307015
PR-HP PRESTO Handpiece Includes 2 m hose		T815
AFC-40 Foot Control		Z127
Handpiece Stand		Z010134
PR-03 PRESTO Cartridge		T815016
Chuck		T815019

MODEL	PRODUCTS	ORDER CODE
PRA II Bottle Set		Z308040
PRA II Bottle Lid		Z308041
PRA II Bottle		Z308601
PRA II Bottle O-ring set Pack of 2		Y900327
Bracket Set		Z308060
Chuck Wrench		C034751
Bur-inserting Tool		T815030

MODEL	PRODUCTS	ORDER CODE
Hose for PRESTO 2 m		T815220
Secondary Hose for PRESTO 2 m		Z101240
LAB Spanner Wrench		H005751
Chuck Wrench		C034751
Bur-inserting Tool		T815030

Turbine Cartridges Quick Guide

Handpiece	Cartridge		Head Cap	
PRODUCT NAME	MODEL	ORDER CODE	MODEL	ORDER CODE
Z800L	TiZ-MU03	Y1002075	TiZ-MU04	P1051050
Z800KL / Z800SL	TiZ-MU03	Y1002075	TiZ-MU04	P1051050
Z800WL / Z800BL	TiZ-MU03	Y1002075	TiZ-MU04	P1051050
Z900L	TiZ-SU03	Y1002076	TiZ-SU04	P1052050
Z900KL / Z900SL	TiZ-SU03	Y1002076	TiZ-SU04	P1052050
Z900WL / Z900BL	TiZ-SU03	Y1002076	TiZ-SU04	P1052050
M800L / M800	SX-MU03	P1280	SX-MU04	P1001500
M800KL / M800SL	SX-MU03	P1280	SX-MU04	P1001500
M800WL / M800BL	SX-MU03	P1280	SX-MU04	P1001500
M900L / M900	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
M900KL / M900SL	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
M900WL / M900BL	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
S-Max pico	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico KL	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico QD	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico M4	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico B2	SX-PU03	P1140200	SX-PU04	P1140500
X450L	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
X450KL / X450SL	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
X450QD / X450M4	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
M500LG QD	SX-MU03	P1001250	-	-
M500LG M4/B2	SX-MU03	P1001250	-	-
M600LG QD	SX-SU03	P1002250	-	-
M600LG M4/B2	SX-SU03	P1002250	-	-
FXP-MU QD	SX-MU03	P1280	SX-MU04	P1001500
FXP-MU M4/B2	SX-MU03	P1280	SX-MU04	P1001500
FXP-SU QD	SX-MU03	P1281	SX-MU04(YOS)	P1027500
FXP-SU M4/B2	SX-MU03	P1281	SX-MU04(YOS)	P1027500
PAF-SU QD	PAX2-SU03	P1190	PAX2-SU04	P1190050
PAF-SU M4/B2	PAX2-SU03	P1190	PAX2-SU04	P1190050
PAF-S M4/B2	PAX2R-S03	T1040	PAX2R-S04	T1040050
PRA-LUX-HP	PR-AQL03	T1002250	-	-
PRA-HP	PR-AQ03	T816016	-	-
PR-HP	PR-03	T815016	-	-

KaVo and Multiflex are registered trademarks of KaVo Dental GmbH.
Dentsply Sirona and Sirona are registered trademarks of Dentsply Sirona Inc.
W&H is a registered trademark of W&H Dentalwerk Bürmoos GmbH.
Bien-Air and Unifix are registered trademarks of Bien-Air Dental S.A.
Satelec is a registered trademark of Acteon SA.
EMS is a registered trademark of Electro Medical Systems SA.

NSK Companies Worldwide

NAKANISHI INC. www.nsk-dental.com
700 Shimohinata, Kanuma, Tochigi 322-8666, Japan
TEL: +81 289 64 3380 FAX: +81 289 62 5636

NSK Europe GmbH
Elly-Beinhorn-Str. 8, 65760 Eschborn, Germany
TEL: +49 6196 77606 0 FAX: +49 6196 77606 29

NSK United Kingdom Ltd.
Office 4, Gateway 1000, Arlington Business Park
Whittle Way, Stevenage, SG1 2FP, UK
TEL: +44 1438 310670 FAX: +44 1438 310671

NSK Dental Italy S.r.l.
Via dell'Agricoltura 21, 36016 Thiene VI, Italy
TEL: +39 0445 820070

NSK America Corp.
1800 Global Parkway, Hoffman Estates
IL 60192, USA
TEL: +1 888 675 1675 FAX: +1 800 838 9328

NSK Oceania Pty. Ltd.
Unit 12, 809-821 Botany Road
Rosebery NSW 2018, Australia
TEL: +61 2 8306 3000 FAX: +61 2 8306 3030

NSK Shanghai Co., Ltd.
Room 702 Tower 1 SOHO Tianshan Plaza
421 ZiYun Road, Changning District
Shanghai 200051, China
TEL: +86 21 6252 7272 FAX: +86 21 6252 7855

NSK Nakanishi Asia Pte. Ltd.
51 Changi Business Park Central 2
#07-10 The Signature, 486066 Singapore
TEL: +65 6376 5018 FAX: +65 6376 0233

NSK RUS LLC
2, Entuziastov bulvar, 11th floor
Moscow 109544, Russia
TEL: +7 495 967 96 07 FAX: +7 495 967 96 08

NSK France S.A.S.
32 rue de Lisbonne, 75008 Paris, France
TEL: +33 1 56 79 59 80 FAX: +33 1 56 79 59 81

NSK Dental Spain S.A.
C/Módena, 43 El Soho-Európolis
28232 Las Rozas de Madrid, Spain
TEL: +34 91 626 61 28 FAX: +34 91 626 61 32

NSK Dental Nordic
Furstenbergsgatan 4, 416 64 Gothenburg, Sweden
TEL: +46 31 20 20 24

NSK America Latina Ltda.
Rua Doutor Joao Colin, 1995, América
Joinville, SC 89204-003, Brazil
TEL: +55 47 3804 6569 FAX: +55 47 3804 5248

NSK Oceania Ltd.
Ground Floor, Suite D, 272 Parnell Road
Parnell, Auckland 1052, New Zealand
TEL: +64 9 529 2383 FAX: +64 9 523 0181

NSK Dental Korea Co., Ltd.
19, Yangpyeong-ro 21ga-gil
Yeongdeungpo-gu, Seoul 07207, Korea
TEL: +82 2 2633 8990 FAX: +82 2 2633 8980

NSK Middle East FZCO
Room 6EA701, 7th Floor, East Wing No.6
Dubai Airport Free Zone, PO Box 54316, Dubai, UAE
TEL: +971 4 204 5507 FAX: +971 4 204 5508

NAKANISHI INC. www.nsk-dental.com
700 Shimohinata, Kanuma, Tochigi 322-8666, Japan

NSK Europe GmbH
Elly-Beinhorn-Str. 8
65760 Eschborn
Germany

NSK United Kingdom Ltd.
Office 4, Gateway 1000
Arlington Business Park
Whittle Way, Stevenage
SG1 2FP, UK

NSK Dental Nordic
Furstenbergsgatan 4
416 64 Gothenburg
Sweden

NSK Nakanishi Asia Pte. Ltd.
51 Changi Business Park Central 2
#07-10 The Signature
486066 Singapore

NSK Middle East FZCO
Room 6EA701, 7th Floor
East Wing No.6
Dubai Airport Free Zone
PO Box 54316, Dubai, UAE

*Specifications are subject to change without notice.
*Please read the Operation Manual carefully before use, and file for future reference.
*This world catalogue is prepared to exhibit major products. The product is subject to the approval by the authority, and we suggest to check the product availability with your local distributor.

Specifications are subject to change without notice.