



RESTORATIVE & PROSTHETICS

Air Turbine / Contra-angle / Scaler

INDEX

Air Turbines

Technology & Function	P 03 - 04
Ti-Max Z	P 05 - 07
S-Max M	P 08
S-Max pico	P 09
Ti-Max X450	P 10
Pana-Max PLUS	P 11
Pana-Max2	P 12
NSK Couplings	P 13 - 14

Contra-angles

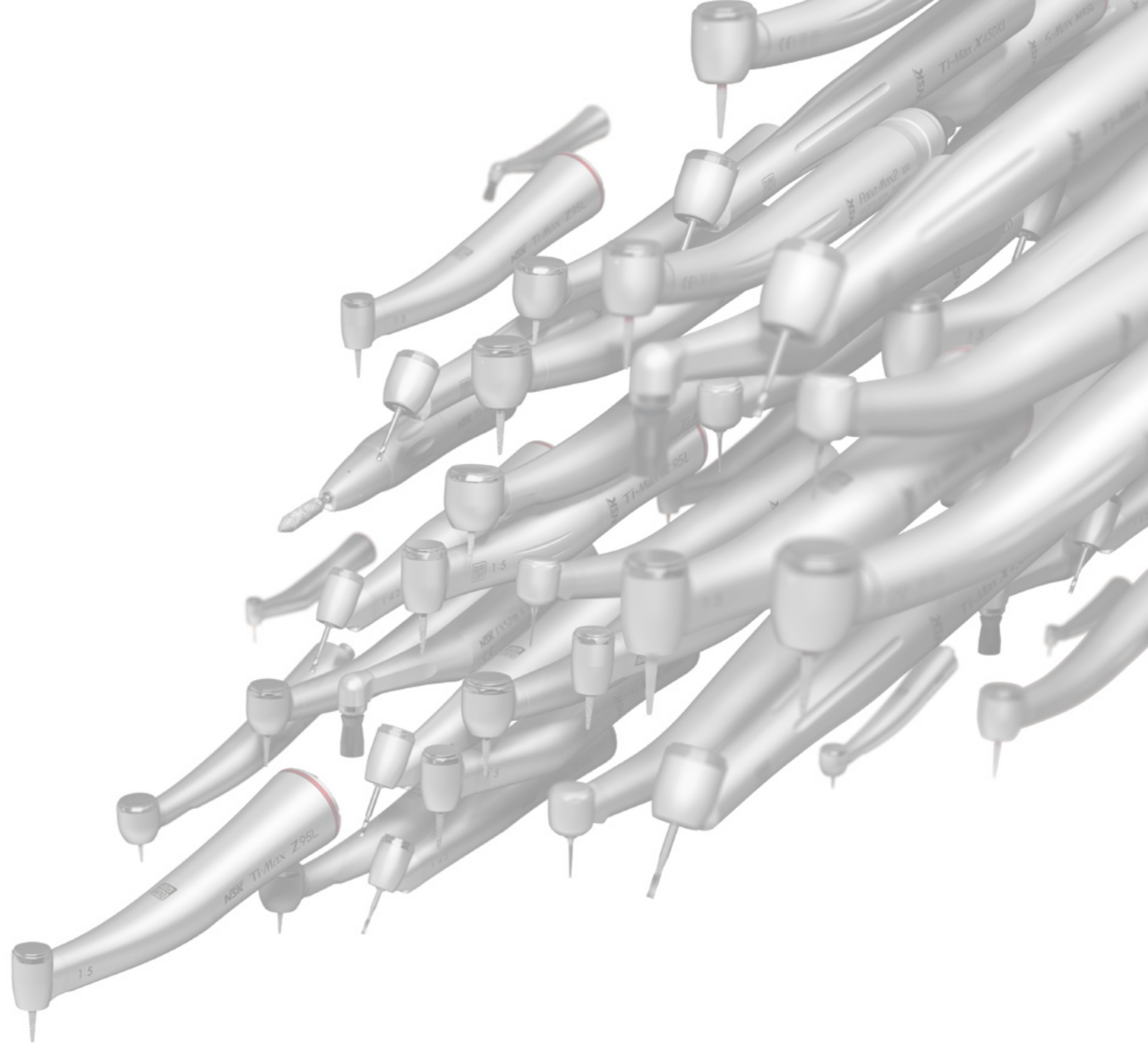
Technology & Function	P 15 - 16
Ti-Max Z	P 17 - 20
Ti-Max Z45L	P 21
nano series	P 22
Ti-Max X	P 23 - 24
S-Max M	P 25
FX Series	P 26
EX Series / isoE-LUX	P 27 - 28

Clinical Micromotors

NLX nano / NBX / M40 XS	P 29
Air Motors	P 30

Scalers	P 31 - 32
---------	-----------

Spare Parts	P 33 - 34
-------------	-----------



Air Turbine Series

NSK TECHNOLOGY & FUNCTION

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.

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.

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.

DURAGRIP

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

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.

Microfilter

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

Cellular Glass Optic

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

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.

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.

Anti-Retraction Valve

Prevents retraction of contaminated water from entering the water lines.



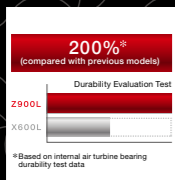
Ti-Max Z Air Turbine

Amazing power
in your hands.



New Three-Dimensional Rotor

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

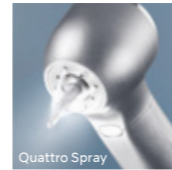


New Bearings

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

Ti-Max Z

Connect to NSK Couplings



Miniature Head

OPTIC MODEL: **Z800L** ORDER CODE: **P1110**

- Power : 23 W ● Speed : 360,000-440,000 min⁻¹ ● Head Size : ø10.8 x H 12.1 mm
- Titanium Body with Scratch Resistant DURAGRIP ● Ceramic Bearings ● Push Button Chuck
- Quattro Spray ● Microfilter ● Clean Head System ● Cellular Glass Optics



Standard Head

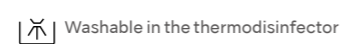
OPTIC MODEL: **Z900L** ORDER CODE: **P1111**

- Power : 26 W ● Speed : 320,000-400,000 min⁻¹ ● Head Size : ø12.5 x H 13.1 mm
- Titanium Body with Scratch Resistant DURAGRIP ● Ceramic Bearings ● Push Button Chuck
- Quattro Spray ● Microfilter ● Clean Head System ● Cellular Glass Optics

COUPLING OPTIONS

Coupling		NSK	KaVo®	Dentsply Sirona®	W&H®	Bien Air®
Miniature Head	Model	Z800L	Z800KL	Z800SL	Z800WL *	Z800BL *
	Order Code	P1110	P1112	P1114	P1120	P1116
Standard Head	Model	Z900L	Z900KL	Z900SL	Z900WL *	Z900BL *
	Order Code	P1111	P1113	P1115	P1121	P1117

*Compatible Turbines with Integral LED



S-Max M

Connect to NSK Couplings



Miniature Head

OPTIC MODEL: **M800L** ORDER CODE: **P1253**

NON-OPTIC MODEL: **M800** ORDER CODE: **P1255**

- Power : 23 W ● Speed : 380,000-450,000 min⁻¹ ● Head Size : ø10.6 x H 12.4 mm ● Stainless Steel Body
- Ceramic Bearings ● Push Button Chuck ● Quattro Spray ● Clean Head System ● Cellular Glass Optics
- Simple Cartridge Change



Standard Head

OPTIC MODEL: **M900L** ORDER CODE: **P1254**

NON-OPTIC MODEL: **M900** ORDER CODE: **P1256**

- Power : 26 W ● Speed : 325,000-430,000 min⁻¹ ● Head Size : ø12.1 x H 13.3 mm ● Stainless Steel Body
- Ceramic Bearings ● Push Button Chuck ● Quattro Spray ● Clean Head System ● Cellular Glass Optics
- Simple Cartridge Change

COUPLING OPTIONS

Coupling		NSK (Optic)	NSK (Non-Optic)	KaVo® (Optic)	KaVo® (Non-Optic)	Dentsply Sirona®	W&H® (Optic)	W&H® (Non-Optic)	Bien Air®
Miniature Head	Model	M800L	M800	M800KL	-	M800SL	M800WL *	-	M800BL *
	Order Code	P1253	P1255	P1257	-	P1261	P1265	-	P1263
Standard Head	Model	M900L	M900	M900KL	M900K	M900SL	M900WL *	M900W	M900BL *
	Order Code	P1254	P1256	P1258	P1259	P1262	P1266	P1287	P1264

*Compatible Turbines with Integral LED

Air Turbines

Contra-angles

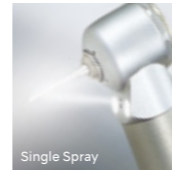
Clinical Micromotors

Scalers

Spare Parts

S-Max pico

Connect to NSK Couplings

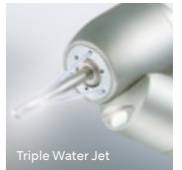


OPTIC MODEL: **S-Max pico** ORDER CODE: **P1140**

- Power : 9 W ● Speed : 380,000-450,000 min⁻¹ ● Head Size : ø8.6 x H 9.0 mm ● Stainless Steel Body
- Ceramic Bearings ● Push Button Chuck ● Single Spray ● Clean Head System ● Cellular Glass Optics
- For short shank burs / ultra short shank burs

Ti-Max X450

Connect to NSK Couplings



OPTIC MODEL: **X450L** ORDER CODE: **P1078**

- Power : 21 W ● Speed : 380,000-450,000 min⁻¹ ● Head Size : ø11.2 x H 13.5 mm ● 45° Angle Head
- Titanium Body with Scratch Resistant DURACOAT ● Ceramic Bearings ● Push Button Chuck
- Triple Water Jet ● Clean Head System ● Cellular Glass Optics ● For FG extra-long burs (25 mm) only

COUPLING OPTIONS

Coupling	NSK	KaVo®	Dentsply Sirona®	W&H®	Bien Air®
Model	S-Max pico	S-Max pico KL	S-Max pico SL	S-Max pico WLED	S-Max pico BLED
Order Code	P1140	P1142	P1143	P1145	P1144

*Compatible Turbines with Integral LED

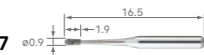
COUPLING OPTIONS

Coupling	NSK	KaVo®	Dentsply Sirona®	W&H®	Bien Air®
Model	X450L	X450KL	X450SL	X450WLED	X450BLED
Order Code	P1078	P1079	P1080	P1082	P1081

*Compatible Turbines with Integral LED

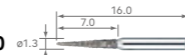
pico bur

MODEL : **PC1**
ORDER CODE : **Y1001817**



- Pack of 3

MODEL : **PC4**
ORDER CODE : **Y1001820**



- Pack of 3

MODEL : **PC6**
ORDER CODE : **Y1001822**



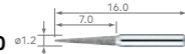
- Pack of 3

MODEL : **PC2**
ORDER CODE : **Y1001818**



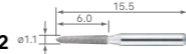
- Pack of 3

MODEL : **PC4ff**
ORDER CODE : **Y1002020**



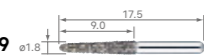
- Extra fine bur ● Pack of 3

MODEL : **PC6ff**
ORDER CODE : **Y1002022**



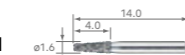
- Extra fine bur ● Pack of 3

MODEL : **PC3**
ORDER CODE : **Y1001819**



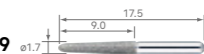
- Pack of 3

MODEL : **PC5**
ORDER CODE : **Y1001821**



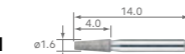
- Pack of 3

MODEL : **PC3ff**
ORDER CODE : **Y1002019**



- Extra fine bur ● Pack of 3

MODEL : **PC5ff**
ORDER CODE : **Y1002021**



- Extra fine bur ● Pack of 3



Pana-Max PLUS



Miniature Head

NON-OPTIC MODEL: **PAP-MU M4** ORDER CODE: **P1021**

- Speed : 380,000-450,000 min⁻¹
- Head Size : ø10.6 x H 12.4 mm
- Stainless Steel Body
- Ceramic Bearings
- Push Button Chuck
- Quattro Spray
- Clean Head System
- Midwest 4 hole
- Anti-Retraction Valve
- Air Pressure Regulating Valve



Standard Head

NON-OPTIC MODEL: **PAP-SU M4** ORDER CODE: **P1022**

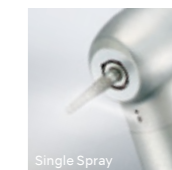
- Speed : 340,000-410,000 min⁻¹
- Head Size : ø12.1 x H 13.3 mm
- Stainless Steel Body
- Ceramic Bearings
- Push Button Chuck
- Quattro Spray
- Clean Head System
- Midwest 4 hole
- Anti-Retraction Valve
- Air Pressure Regulating Valve

COUPLING OPTIONS

Coupling		Direct-connect / Screw-on Type	
		Midwest 4 hole	Borden 2 hole
Miniature Head	Model	PAP-MU M4	PAP-MU B2
	Order Code	P1021	P1023
Standard Head	Model	PAP-SU M4	PAP-SU B2
	Order Code	P1022	P1024

Pana-Max2

Connect to NSK Couplings



NON-OPTIC MODEL: **Pana-Max2 PTL** ORDER CODE: **P1211**

- Speed : 350,000-450,000 min⁻¹
- Head Size : ø11.2 x H 13.4 mm
- Stainless Steel Body
- Ceramic Bearings
- NSK Ultra Push Chuck
- Single Spray
- Clean Head System
- DIY Cartridge Change



NON-OPTIC MODEL: **Pana-Max2 M4** ORDER CODE: **P1154**

- Speed : 350,000-450,000 min⁻¹
- Head Size : ø11.2 x H 13.4 mm
- Stainless Steel Body
- Ceramic Bearings
- NSK Ultra Push Chuck
- Single Spray
- Clean Head System
- Midwest 4 hole
- DIY Cartridge Change
- Anti-Retraction Valve
- Air Pressure Regulating Valve

COUPLING OPTIONS

Coupling	NSK (Non-Optic)	KaVo® (Non-Optic)	Direct-connect / Screw-on Type	
			Midwest 4 hole	Borden 2 hole
Model	Pana-Max2 PTL	Pana-Max2 KV	Pana-Max2 M4	Pana-Max2 B2
Order Code	P1211	P1212	P1154	P1155

NSK Couplings

OPTIC MODEL: **PTL-CL-LED** ORDER CODE: **P1001600**

- Stainless Steel Body ● Titanium coating ● Anti-Retraction Valve
- For NSK ● LED incorporated in coupling



LUX Coupling

OPTIC MODEL: **PTL-CL-LED III** ORDER CODE: **P1001601**

- Stainless Steel Body ● Titanium coating ● Anti-Retraction Valve
- For NSK with water volume adjuster ● LED incorporated in coupling



LUX Coupling

OPTIC MODEL: **KCL-LED** ORDER CODE: **P1005600**

- Stainless Steel Body ● Titanium coating ● Anti-Retraction Valve
- For KaVo® MULTIFlex® LUX with water volume adjuster ● LED incorporated in coupling



LUX Coupling

OPTIC MODEL: **SCL-LED** ORDER CODE: **P1009600**

- Stainless Steel Body ● Titanium coating ● Anti-Retraction Valve
- For Sirona® Quick Coupling with water volume adjuster ● LED incorporated in coupling



LUX Coupling

NON-OPTIC MODEL: **FM-CL-M4** ORDER CODE: **P434051**

- Stainless Steel Body ● Anti-Retraction Valve



Midwest 4 hole

NON-OPTIC MODEL: **FM-CL-B2/B3** ORDER CODE: **P432051**

- Stainless Steel Body ● Anti-Retraction Valve



Borden 2/3 hole

Fitting Chart By Series

	NSK (Optic)	NSK (Non-Optic)	KaVo® (Optic)	KaVo® (Non-Optic)	Dentsply Sirona®	W&H® (Optic)	W&H® (Non-Optic)	Bien Air®
Ti-Max Z	●	—	●	—	●	●	—	●
S-Max M	●	●	●	● (M900K)	●	●	● (M900W)	●
S-Max pico	●	—	●	—	●	●	—	●
Ti-Max X450	●	—	●	—	●	●	—	●
Pana-Max2	—	●	—	●	—	—	—	—
Coupling Type	 NSK Coupling (PTL type) 		 KaVo® Multiflex® 		 Sirona® Quick Coupling 	 W&H® Roto Quick®	 Bien Air® UNIFIX®	

Air Turbines

Contra-angles

Clinical Micromotors

Scalers

Spare Parts

Contra-angle Series

NSK TECHNOLOGY & FUNCTION

Anti Heat System

Our proprietary Anti Heat System dramatically reduces heat generation to prevent burning.

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.

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.

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.

DURAGRIP

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

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.

Microfilter

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

Cellular Glass Optic

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

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.

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.

Amazing Silence and Minimal Vibration

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

Anti-Retraction Valve

Prevents retraction of contaminated water from entering the water lines.



Ti-Max Z Contra-angle

Comfort beyond
imagination
in your hands.



Easier Access

The slimmer handpiece body and neck enhances access to molars without touching anterior teeth.



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.

Ti-Max Z



1:5 Increasing

OPTIC MODEL: **Z95L** ORDER CODE: **C1034**

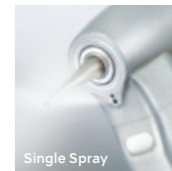
- Max Speed: 200,000 min⁻¹ ● For FG burs (ø1.6) ● Titanium Body with Scratch Resistant DURAGRIP
- Push Button Chuck ● Quattro Spray (with two way spray function) ● Ceramic Bearings ● Microfilter
- Anti Heat System ● Clean Head System ● Cellular Glass Optics



1:1 Direct Drive

OPTIC MODEL: **Z25L** ORDER CODE: **C1038**

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



Two-Way Spray Function



The world's first two-way spray function allows you to instantly choose between a mist or jet spray. Chose in an instant depending on the conditions and procedure. The water jet spray prevents subcutaneous emphysema in surgical procedures whilst still cooling during restorative procedures. When spray mist can be used again without restriction just switch again. No equipment modification required.

Easy On/Off Switch



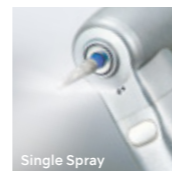
Switch between water jet (water only) and water spray (water and air mist) in an instant.



1:5 Increasing

OPTIC MODEL: **Z85L** ORDER CODE: **C1062**

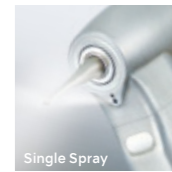
- Miniature Head ● Max Speed: 200,000 min⁻¹ ● For FG burs (ø1.6)*
- Titanium Body with Scratch Resistant DURAGRIP ● Push Button Chuck ● Single Spray
- Ceramic Bearings ● Microfilter ● Anti Heat System ● Clean Head System
- Cellular Glass Optics *For short shank burs only



4:1 Reduction

OPTIC MODEL: **Z15L** ORDER CODE: **C1039**

- Max Speed: 10,000 min⁻¹ ● For CA burs (ø2.35) ● Titanium Body with Scratch Resistant DURAGRIP
- Push Button Chuck ● Single Spray ● Microfilter ● Clean Head System ● Cellular Glass Optics



1:4.5 Increasing

OPTIC MODEL: **Z84L** ORDER CODE: **C1135**

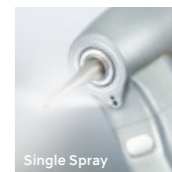
- Miniature Head ● Max Speed: 180,000 min⁻¹ ● For FG burs (ø1.6)*
- Titanium Body with Scratch Resistant DURAGRIP ● Push Button Chuck ● Quattro Spray
- Ceramic Bearings ● Microfilter ● Anti Heat System ● Clean Head System
- Cellular Glass Optics *For short shank burs only



16:1 Reduction

OPTIC MODEL: **Z10L** ORDER CODE: **C1040**

- Max Speed: 2,500 min⁻¹ ● For CA burs (ø2.35) ● Titanium Body with Scratch Resistant DURAGRIP
- Push Button Chuck ● Single Spray ● Microfilter ● Clean Head System ● Cellular Glass Optics



Ti-Max Z45L

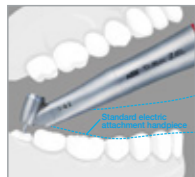


1:4.2 Increasing

OPTIC MODEL: **Z45L** ORDER CODE: **C1064**

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

Superior Accessibility



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

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.

Superior Accessibility Enables a Vast Variety of Clinical Applications

Sectioning a Mandibular Left Impacted Third Molar



You can gain a comfortable finger rest without stress thanks to the extra space the slim Ti-Max Z45L creates between the front teeth. It is also easy to maintain the bur at an optimal angle and achieve precise sectioning, even when the operating depth is close to apex.

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



Securing a solid finger rest on a front tooth enables stable cutting without interference from other teeth. Since you can also freely control the angle of the bur, minimal intervention treatments are also possible.

Caries Removal from a Maxillary Left Second Premolar on Palatal Side



When working on the palatal side of a second premolar, Ti-Max Z45L ensures that you can operate smoothly and have plenty of working space between the maxillary adjacent teeth.

Clarifying the Root Canal Orifice of a Mandibular Right Second Premolar



Ti-Max Z45L enables you to prep smoothly without interference from the rubber dam clamp. Its flexibility also makes treatments safer and more precise.

nano series

1:5 Increasing

OPTIC MODEL: **nano95LS** ORDER CODE: **C1099**

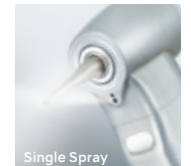
- Max Speed: 200,000 min⁻¹ ● For FG burs (ø1.6) ● Titanium Body with Scratch Resistant DURAGRIP
- Push Button Chuck ● Quattro Spray ● Ceramic Bearings ● Microfilter
- Anti Heat System ● Clean Head System ● Cellular Glass Optics



1:1 Direct Drive

OPTIC MODEL: **nano25LS** ORDER CODE: **C1100**

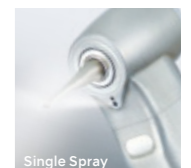
- Max Speed: 40,000 min⁻¹ ● For CA burs (ø2.35) ● Titanium Body with Scratch Resistant DURAGRIP
- Push Button Chuck ● Single Spray ● Microfilter ● Clean Head System ● Cellular Glass Optics



4:1 Reduction

OPTIC MODEL: **nano15LS** ORDER CODE: **C1101**

- Max Speed: 10,000 min⁻¹ ● For CA burs (ø2.35) ● Titanium Body with Scratch Resistant DURAGRIP
- Push Button Chuck ● Single Spray ● Microfilter ● Clean Head System ● Cellular Glass Optics



Straight Handpiece

1:1 Direct Drive

OPTIC MODEL: **nano65LS** ORDER CODE: **H1048**

- Max Speed: 40,000 min⁻¹ ● For HP / CA burs (ø2.35)* ● Titanium Body with Scratch Resistant DURAGRIP
- Single Spray ● Clean Head System ● Cellular Glass Optics *Need to insert the supplied bur stopper



Ti-Max X



1:5 Increasing

OPTIC MODEL: X95L ORDER CODE: C600
NON-OPTIC MODEL: X95 ORDER CODE: C610

- Max Speed: 200,000 min⁻¹ ● For FG burs (ø1.6) ● Titanium Body with Scratch Resistant DURACOAT
- Push Button Chuck ● Ceramic Bearings ● Quattro Spray ● Microfilter ● Anti Heat System
- Clean Head System ● Cellular Glass Optics



1:1 Direct Drive

OPTIC MODEL: X25L ORDER CODE: C601
NON-OPTIC MODEL: X25 ORDER CODE: C611

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



4:1 Reduction

OPTIC MODEL: X15L ORDER CODE: C602
NON-OPTIC MODEL: X15 ORDER CODE: C612

- Max Speed: 10,000 min⁻¹ ● For CA burs (ø2.35) ● Titanium Body with Scratch Resistant DURACOAT
- Push Button Chuck ● Single Spray ● Microfilter ● Clean Head System ● Cellular Glass Optics



External Water Spray



1:5 Increasing

NON-OPTIC MODEL: X95EX ORDER CODE: C1072

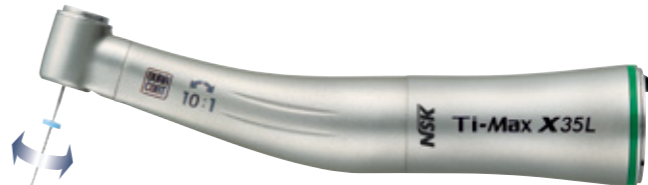
- Max Speed: 200,000 min⁻¹ ● For FG burs (ø1.6) ● Titanium Body with Scratch Resistant DURACOAT
- Push Button Chuck ● Ceramic Bearings ● Quattro Spray ● Clean Head System



10:1 Reduction

OPTIC MODEL: X12L ORDER CODE: C606
NON-OPTIC MODEL: X12 ORDER CODE: C616

- Max Speed: 4,000 min⁻¹ ● For CA burs (ø2.35) ● Titanium Body with Scratch Resistant DURACOAT
- Push Button Chuck ● Single Spray ● Microfilter ● Clean Head System ● Cellular Glass Optics



10:1 Reduction

OPTIC MODEL: X35L ORDER CODE: C620
NON-OPTIC MODEL: X35 ORDER CODE: C624

- Max Speed: 4,000 min⁻¹ ● For Hand File & Engine File ● 60° Twist ● Titanium Body with Scratch Resistant DURACOAT
- Push Button Chuck ● Single Spray ● Microfilter ● Cellular Glass Optics



MODEL: QF Adaptor
 ORDER CODE: C877701



16:1 Reduction

OPTIC MODEL: X57L ORDER CODE: C609
NON-OPTIC MODEL: X57 ORDER CODE: C619

- Max Speed: 2,500 min⁻¹ ● For Screw-in Cups and Brushes ● 360° Rotation ● Special Dust Proof
- Titanium Body with Scratch Resistant DURACOAT ● w/o Spray ● Cellular Glass Optics



4:1 Reduction

OPTIC MODEL: X55L ORDER CODE: C608
NON-OPTIC MODEL: X55 ORDER CODE: C618

- Max Speed: 10,000 min⁻¹ ● For Profin Tip / EVA Tip / Orthodontics File (Shank ø2.36-2.40 mm)*
- Vertical Reciprocating (Stroke Length 1.4 mm) ● Titanium Body with Scratch Resistant DURACOAT
- Single Spray ● Microfilter ● Cellular Glass Optics ● Lamineer Tips not included
- With Tip Lock Mechanism *Metallic shank cannot be used.

Straight Handpiece



1:1 Direct Drive

OPTIC MODEL: X65L ORDER CODE: H273
NON-OPTIC MODEL: X65 ORDER CODE: H274

- Max Speed: 40,000 min⁻¹ ● For HP burs (ø2.35) ● For CA burs (ø2.35)* ● Titanium Body with Scratch Resistant DURACOAT
- Single Spray ● Clean Head System ● Cellular Glass Optics *Need to insert the supplied bur stopper

S-Max M

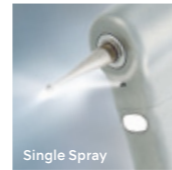
1:5 Increasing



OPTIC MODEL: **M95L** ORDER CODE: **C1023**
NON-OPTIC MODEL: **M95** ORDER CODE: **C1026**

- Max Speed: 200,000 min⁻¹ ● For FG burs (ø1.6) ● Stainless Steel Body ● Push Button Chuck
- Ceramic Bearings ● Quattro Spray ● Anti Heat System ● Clean Head System ● Cellular Glass Optics

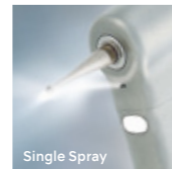
1:1 Direct Drive



OPTIC MODEL: **M25L** ORDER CODE: **C1024**
NON-OPTIC MODEL: **M25** ORDER CODE: **C1027**

- Max Speed: 40,000 min⁻¹ ● For CA burs (ø2.35) ● Stainless Steel Body ● Push Button Chuck
- Single Spray ● Clean Head System ● Cellular Glass Optics

4:1 Reduction



OPTIC MODEL: **M15L** ORDER CODE: **C1025**
NON-OPTIC MODEL: **M15** ORDER CODE: **C1028**

- Max Speed: 10,000 min⁻¹ ● For CA burs (ø2.35) ● Stainless Steel Body ● Push Button Chuck
- Single Spray ● Clean Head System ● Cellular Glass Optics

Straight Handpiece



1:1 Direct Drive

NON-OPTIC MODEL: **M65** ORDER CODE: **H1008**

- Max Speed: 40,000 min⁻¹ ● For HP burs (ø2.35) ● For CA burs (ø2.35)* ● Stainless Steel Body
- Single Spray ● Clean Head System *Need to insert the supplied bur stopper

FX series

1:1 Direct Drive



NON-OPTIC MODEL: **FX25m** ORDER CODE: **C1052001**

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

4:1 Reduction



NON-OPTIC MODEL: **FX15m** ORDER CODE: **C1053001**

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

16:1 Reduction



NON-OPTIC MODEL: **FX75m** ORDER CODE: **C1055001**

- Miniature Head ● Max Speed: 2,300 min⁻¹ ● For engine files
- Stainless Steel Body ● 360° Rotation ● Push Button Chuck

4:1 Reduction



NON-OPTIC MODEL: **FX57m** ORDER CODE: **C1054001**

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

Straight Handpiece



1:1 Direct Drive

NON-OPTIC MODEL: **FX65m** ORDER CODE: **H1014001**

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

EX series

Heads for General Application External Water Spray

NON-OPTIC MODEL: **FPB-Y** ORDER CODE: **C875**

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



NON-OPTIC MODEL: **NAC-Y** ORDER CODE: **C032002**

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



NON-OPTIC MODEL: **BB-Y** ORDER CODE: **C037**

- Max Speed: 40,000 min⁻¹
- For CA burs (ø2.35)
- Latch type
- Ball Bearing



NON-OPTIC MODEL: **NBBW-Y** ORDER CODE: **C211**

- Max Speed: 40,000 min⁻¹
- For CA burs (ø2.35)
- Latch type
- Ball Bearing
- With Water Nozzle



NON-OPTIC MODEL: **NM-Y** ORDER CODE: **C247**

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



NON-OPTIC MODEL: **FFB-Y** ORDER CODE: **C884**

- Max Speed: 40,000 min⁻¹
- For FG burs (ø1.6)
- Clean Head System
- Push Button Chuck



NON-OPTIC MODEL: **NRS2-Y** ORDER CODE: **C549**

- Max Speed: 3,000 min⁻¹
- For CA burs (ø2.35)
- Clean Head System
- Push Button Chuck
- 10:1 Reduction



Heads for Prophylaxis Application

NON-OPTIC MODEL: **AR-Y(S)** ORDER CODE: **C187**

- Max Speed: 5,000 min⁻¹
- For screw-in cups and brushes



NON-OPTIC MODEL: **AR-Y(K)** ORDER CODE: **C188**

- Max Speed: 5,000 min⁻¹
- For snap-on cups



NON-OPTIC MODEL: **EVA-Y** ORDER CODE: **C235**

- Max Speed: 10,000 min⁻¹
- For Eva tips
- Vertical Reciprocating (Stroke Length 1.4 mm)



Heads for Endodontic Application

NON-OPTIC MODEL: **MP-Y** ORDER CODE: **C547**

- Max Speed: 20,000 min⁻¹
- Miniature Head
- Push Button Chuck



NON-OPTIC MODEL: **MPA-Y** ORDER CODE: **C548**

- Max Speed: 20,000 min⁻¹
- Miniature Head
- Connection for Apex locator (For long shank)
- Push Button Chuck



NON-OPTIC MODEL: **MPAS-Y** ORDER CODE: **C882**

- Max Speed: 20,000 min⁻¹
- Miniature Head
- Connection for Apex locator (For short shank)
- Push Button Chuck



NON-OPTIC MODEL: **TEQ-Y** ORDER CODE: **C849**

- Max Speed: 4,000 min⁻¹
- 80° Twist
- For engine files (ø2.35)
- Push Button Chuck



NON-OPTIC MODEL: **TEP-Y** ORDER CODE: **C837**

- Max Speed: 4,000 min⁻¹
- 60° Twist
- For hand files
- Push Button Chuck



Shanks

MODEL: **EC-30** ORDER CODE: **C100008**

MODEL: **EC-30M** ORDER CODE: **C100007**

- 1:1 Direct Drive



MODEL: **ER4** ORDER CODE: **C634**

MODEL: **ER4M** ORDER CODE: **C634002**

- 4:1 Reduction



MODEL: **ER10** ORDER CODE: **C635**

- 10:1 Reduction



MODEL: **ER16** ORDER CODE: **C636**

- 16:1 Reduction



Straight Handpieces



1:1 Direct Drive

NON-OPTIC MODEL: **EX-6B** ORDER CODE: **H260001**

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



1:1 Direct Drive

NON-OPTIC MODEL: **EX-6D** ORDER CODE: **H267001**

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



4:1 Reduction

NON-OPTIC MODEL: **EX-5B** ORDER CODE: **H262**

- Max Speed: 10,000 min⁻¹
- For HP burs (ø2.35)
- Clean Head System

MODEL: **Spray Nozzle** ORDER CODE: **H019711**

- For EX-6B, EX-5B (Optional)



isoE-LUX Light Probe



OPTIC MODEL: **isoE-LUX** ORDER CODE: **Z1265**

- E-Type Optic Motor Connection
- Stainless Steel Body
- Glass Fiber Optics



■ Shanks and heads are sold separately. You can combine shanks and heads according to your preference and speed required for the indication.

ELECTRIC MICROMOTORS

NLX nano OPTIC Internal Water Spray

Electric Micromotor Portable System BRUSHLESS
Speed : 2,000 – 40,000 min⁻¹, Torque : 3.4 Ncm

MODEL : **NLX nano S230 (230 V)** ORDER CODE : **Y1001362**

Contents:
● Control unit ● Motor ● Cord ● AC Adaptor

Specifications :

Control unit	Micromotor (Micromotor only)
• Rated Input : AC 28 V 50/60 Hz	• Dimensions : ø22 x L 70 (mm)
• Dimensions : W 127 x D 149 x H 54 (mm)	• Weight : 61 g
• Weight : 517 g	



NBX BRUSH Internal Water Spray

Ultracompact LED Electrical Micromotor BRUSH

OPTIC MODEL : **NBX** ORDER CODE : **E1059051**

NON-OPTIC MODEL : **NBX N** ORDER CODE : **E1074051**

- Max. 40,000 min⁻¹ ● Micromotor only (Cord not included)
- LED incorporated in micromotor (only NBX OPTIC) ● Ultracompact and lightweight outer titanium body

Motor Cord

OPTIC MODEL : **NBX CDB** ORDER CODE : **E1059061**

NON-OPTIC MODEL : **NBX N CDB** ORDER CODE : **E1074061**

- With constant current ● Motor Cord only



M40 XS BRUSH Internal Water Spray

Easy to Connect to Bien Air® 4VLM and 4VR 400 Hoses BRUSH

OPTIC MODEL : **M40 XS** ORDER CODE : **E1135051**

NON-OPTIC MODEL : **M40N XS** ORDER CODE : **E1136051**

- Quiet smooth operation from 60 to 40,000 min⁻¹ ● Made Shorter and Lighter for Perfect Balance
- Titanium Body with Scratch Resistant DURACOAT ● Advantages of using - LED light ● Ergonomic Shape



NSK Motor Cord

MODEL : **M40-CD** ORDER CODE : **S900100**



Washable in the thermoisinfecteur
(NLX nano, M205, FX205m)

Autoclavable
(Exclude NBX, M40 XS)

AIR MOTORS

Ti-Max X205L

Internal Water Spray

OPTIC MODEL : **X205L** ORDER CODE : **M1013**

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



DynaLED M205LG

Internal Water Spray

OPTIC MODEL : **M205LG M4** ORDER CODE : **M1018**

OPTIC MODEL : **M205LG B2** ORDER CODE : **M1019**

- Max Speed: 22,000 min⁻¹ ±10% (M4), Max Speed: 25,000 min⁻¹ ±10% (B2)
- Midwest 4 hole / Borden 2 hole ● 25,000 LUX
- LED Air Motor with Micro Power Generator ● Anti-Retraction Valve



S-Max M205

Internal Water Spray

NON-OPTIC MODEL : **M205** ORDER CODE : **M1007**

- Max Speed: 22,000 min⁻¹ ±10% ● Midwest 4 hole
- Stainless Steel Body ● Anti-Retraction Valve



FX205m

External Water Spray

NON-OPTIC MODEL : **FX205m M4** ORDER CODE : **M1005001**

NON-OPTIC MODEL : **FX205m B2** ORDER CODE : **M1006001**

- Max Speed: 22,000 min⁻¹ ±10% (M4), Max Speed: 25,000 min⁻¹ ±10% (B2)
- Midwest 4 hole / Borden 2 hole ● Stainless Steel Body



Air Turbines

Contra-angles

Clinical Micromotors

Scalers

Spare Parts

ULTRASONIC SCALER

Varios 970



OPTIC MODEL: **VA970 LUX 230V S1** ORDER CODE: **Y1004161**

NON-OPTIC MODEL: **VA970 230V S1** ORDER CODE: **Y1004160**

- 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

AIR SCALER

Ti-Max S970

OPTIC MODEL: **S970L** ORDER CODE: **T1005**

NON-OPTIC MODEL: **S970** ORDER CODE: **T1020**

- Titanium Body with Scratch Resistant DURACOAT ● Cellular Glass Optics
- 3 level Power Ring ● Frequency of oscillation : 5,800-6,200 Hz
- Includes 3 tips (S1, S2 & S3), Tip Wrench (CR-20) and Tip Cover (L)



Restorative Minimal Intervention

MODEL: **G61D**
ORDER CODE: **Z217601**
● Diamond coated



MODEL: **G62D**
ORDER CODE: **Z217602**
● Diamond coated



MODEL: **G65D**
ORDER CODE: **Z217605**
● Diamond coated



MODEL: **G66D**
ORDER CODE: **Z217606**
● Diamond coated



MODEL: **G67D**
ORDER CODE: **Z217607**
● Diamond coated



MODEL: **G68D**
ORDER CODE: **Z217608**
● Diamond coated



Condensation

MODEL: **G21**
ORDER CODE: **Z217010**
● Water not required ● For anterior teeth
● 3 caps supplied



MODEL: **G22**
ORDER CODE: **Z217020**
● Water not required ● For posterior teeth
● 3 caps supplied



Loosening / Plugging

MODEL: **G26**
ORDER CODE: **Z217206**
● For post removal



MODEL: **G28**
ORDER CODE: **Z217208**
● Water not required
● For amalgam condensation



V-TIP System

MODEL: **V30** ORDER CODE: **Z217030**
● Includes E-Tip replacement wrench
● V-Tip Holder ● Tip is optional



Restorative (V-TIP)

Minimal Intervention

MODEL: **V-G70**
ORDER CODE: **Y900118**
● Diamond coated ● Pack of 3



MODEL: **V-G71**
ORDER CODE: **Y900119**
● Diamond coated ● Pack of 3



MODEL: **V-G72**
ORDER CODE: **Y900120**
● Diamond coated ● Pack of 3



MODEL: **V-G75**
ORDER CODE: **Y900121**
● Diamond coated ● Pack of 3



MODEL: **V-G76**
ORDER CODE: **Y900122**
● Diamond coated ● Pack of 3



Finishing / Trimming / Polishing

MODEL: **V-G77**
ORDER CODE: **Y900165**
● Diamond coated ● Normal Grade
● Pack of 3



MODEL: **V-G78**
ORDER CODE: **Y900166**
● Diamond coated ● Fine Grade
● Pack of 3



MODEL: **V-G79**
ORDER CODE: **Y900167**
● Diamond coated ● Super Fine Grade
● Pack of 3



Caries Removal

MODEL: **V-S1**
ORDER CODE: **Y900161**
● Stainless Tip ● Pack of 3



MODEL: **V-S3**
ORDER CODE: **Y900162**
● Stainless Tip ● Pack of 3



MODEL: **V-S33**
ORDER CODE: **Y900163**
● Stainless Tip ● Pack of 3



Restorative Minimal Intervention

MODEL: **S65D**
ORDER CODE: **Z252465**
● Diamond coated



MODEL: **S66D**
ORDER CODE: **Z252466**
● Diamond coated



MODEL: **S67D**
ORDER CODE: **Z252467**
● Diamond coated



MODEL: **S68D**
ORDER CODE: **Z252468**
● Diamond coated



Restorative Preparation of Crown Cores

MODEL: **S81D**
ORDER CODE: **Z252469**
● Diamond coated



MODEL: **S82D**
ORDER CODE: **Z252462**
● Diamond coated



MODEL: **S83D**
ORDER CODE: **Z252461**
● Diamond coated



MODEL: **S86D**
ORDER CODE: **Z252460**
● Diamond coated



MODEL: **S71D**
ORDER CODE: **Z252471**
● Diamond coated








MODEL: **S72D**
ORDER CODE: **Z252472**
● Diamond coated



SPARE PARTS



Ti-Max Z



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



MODEL	PRODUCTS	ORDER CODE
TiZ-MU04 Head cap for Miniature head		P1051050
TiZ-SU04 Head cap for Standard head		P1052050

MODEL	PRODUCTS	ORDER CODE
TiZ-MU05 Head cap wrench for Miniature head		Z265006
TiZ-SU05 Head cap wrench for Standard head		Z265007

S-Max M


MODEL	PRODUCTS	ORDER CODE
SX-MU03 Cartridge for Miniature head		P1280
SX-SU03 Cartridge for Standard head		P1281

MODEL	PRODUCTS	ORDER CODE
PTL O-ring Set (Pack of 5)		Y900580
SX-MU04 Head cap for Miniature head		P1001500

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



S-Max pico



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

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

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

Ti-Max X450

MODEL	PRODUCTS	ORDER CODE
TiX45-SU03 Cartridge for Standard head		Y1001906
PTL O-ring Set (Pack of 5)		Y900580



MODEL	PRODUCTS	ORDER CODE
TiX45-SU04 Head cap for Standard head		P1078500
Head-cap wrench for X450		P624765



Couplings

MODEL	PRODUCTS	ORDER CODE
Anti-Retraction Valve		P401054

MODEL	PRODUCTS	ORDER CODE
SX-SU05 Head cap wrench for Miniature head & Standard head		20000535


Pana-Max PLUS

MODEL	PRODUCTS	ORDER CODE
SX-MU03 Cartridge for Miniature head		P1280
SX-SU03 Cartridge for Standard head		P1281

MODEL	PRODUCTS	ORDER CODE
SX-MU04 Head cap for Miniature head		P1001500
SX-SU04 Head cap for Standard head		P1027500



Pana-Max2



MODEL	PRODUCTS	ORDER CODE
PAX2-SU03 Cartridge		P1190



MODEL	PRODUCTS	ORDER CODE
PAX2-SU04 Head cap		P1190050

MODEL	PRODUCTS	ORDER CODE
PAX2-SU05		P1190765





FX Series

MODEL	PRODUCTS	ORDER CODE
FX25-04 Head cap for FX25m		C1052500
FX25-03 Cartridge for FX25m		C1052700





MODEL	PRODUCTS	ORDER CODE
FX Spray nozzle For FX25m/FX15m		C1052702
Spray Nozzle For FX65m		H019711

MODEL	PRODUCTS	ORDER CODE
FX Wrench For FX25m		C1052701
Tube		Z166101

EX Series

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

MODEL	PRODUCTS	ORDER CODE
FFB-03 Cartridge for FFB		C884060
Spray Nozzle For NAC, BB, FPB, FFB, TEP		C032701
Spray Nozzle For EX-5B, EX-6B		H019711
FPB-02 Middle Gear		C875012

MODEL	PRODUCTS	ORDER CODE
NAC-02 Middle Gear		C032012
Cap Wrench For AR-Y(S)		C185751
Cap Wrench (Black)		C071751
Tube		Z166101

Ti-Max X95EX

MODEL	PRODUCTS	ORDER CODE
Tube		Z166101

KaVo and Multiflex are registered trademarks of KaVo Dental GmbH.
Dentsply Sirona and Sirona are registered trademarks of Dentsply Sirona Inc.
W&H and Roto Quick are registered trademarks of W&H Deutschland GmbH.
Bien Air and UNIFIX are registered trademarks of Bien-Air Holding SA.

Satelec is a registered trademark of Satelec, a company of Acteon Group.
EMS is a registered trademark of Ferton Holding SA.

NAKANISHI INC. www.nsk-dental.com
700 Shimohinata, Kanuma, Tochigi 322-8666, Japan

NSK Europe GmbH www.nsk-europe.de
Elly-Beinhorn-Strasse 8, 65760 Eschborn, Germany

NSK United Kingdom Ltd. www.nsk-uk.com
Office 4, Gateway 1000, Arlington Business Park
Whittle Way, Stevenage, SG1 2FP, UK

Specifications are subject to change without notice.

Air Turbines

Contra-angles

Clinical Micromotors

Scalers

Spare Parts