

RESTORATIVE & PROSTHETICS



Create it 

RESTORATIVE & PROSTHETICS

NSK

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
Ti-Max nano	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

Micromotors (NLX nano / NLX plus)	P 29
Air Motors	P 30

Scalers

Varios 970 / Ti-Max S970	P 31 - 32
--------------------------------	-----------

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

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.



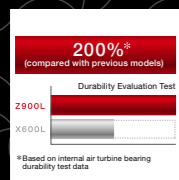
Ti-Max Z Air Turbines

Amazing power
in your hands.



New Three-Dimensional Rotor

A curved three-dimensional rotor to deliver an impressive 26 watts of power has been created.



New Bearings

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

Ti-Max Z



- Titanium Body with Scratch Resistant DURAGRIP
- Ceramic Bearings
- Push Button Chuck
- Quattro Spray
- Clean Head System
- Cellular Glass Optics
- Microfilter (Z800/Z900)
- 3X-Power System (Z micro)
- Quick Stop (Z micro)
- Simple Cartridge Change (Z micro)



Micro Head

- Power : 20 W
- Speed : 380,000-450,000 min⁻¹
- Head Size : ø9.0 x H 10.8 mm
- Dual use for regular standard bur / short shank bur

Miniature Head

- Power : 23 W
- Speed : 360,000-440,000 min⁻¹
- Head Size : ø10.8 x H 12.1 mm

Standard Head

- Power : 26 W
- Speed : 320,000-400,000 min⁻¹
- Head Size : ø12.5 x H 13.1 mm

S-Max M



- Stainless Steel Body
- Ceramic Bearings
- Push Button Chuck
- Quattro Spray
- Clean Head System
- Cellular Glass Optics
- 3X-Power System
- 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
Micro	●	Z micro	PA2357
Miniature	●	Z800L	P1110
Standard	●	Z900L	P1111

KaVo® Couplings

Head	Optic	MODEL	ORDER CODE
Micro	●	Z micro KL	PA2358
Miniature	●	Z800KL	P1112
Standard	●	Z900KL	P1113

Dentsply Sirona® Couplings

Head	Optic	MODEL	ORDER CODE
Micro	●	Z micro SL	PA2359
Miniature	●	Z800SL	P1114
Standard	●	Z900SL	P1115

W&H® Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	●	Z800WL*	P1120
Standard	●	Z900WL*	P1121

*Compatible Turbines with Integral LED

Bien Air® Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	●	Z800BL*	P1116
Standard	●	Z900BL*	P1117

*Compatible Turbines with Integral LED

NSK Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	●	M800L	P1253
Miniature	—	M800	P1255
Standard	●	M900L	P1254
Standard	—	M900	P1256

KaVo® Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	●	M800KL	P1257
Standard	●	M900KL	P1258
Standard	—	M900K	P1259

Dentsply Sirona® Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	●	M800SL	P1261
Standard	●	M900SL	P1262

W&H® Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	●	M800WL*	P1265
Standard	●	M900WL*	P1266
Standard	—	M900W	P1287

*Compatible Turbines with Integral LED

Bien Air® Couplings

Head	Optic	MODEL	ORDER CODE
Miniature	●	M800BL*	P1263
Standard	●	M900BL*	P1264

*Compatible Turbines with Integral LED

S-Max pico



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



- 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® Couplings

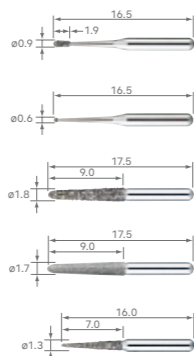
Optic	MODEL	ORDER CODE
●	S-Max pico KL	P1142

Dentsply Sirona® Couplings

Optic	MODEL	ORDER CODE
●	S-Max pico SL	P1143

pico bur

MODEL	ORDER CODE
PC1 • Pack of 3	Y1001817
PC2 • Pack of 3	Y1001818
PC3 • Pack of 3	Y1001819
PC3ff • Extra fine bur • Pack of 3	Y1002019
PC4 • Pack of 3	Y1001820



W&H® Couplings

Optic	MODEL	ORDER CODE
●	S-Max pico WLED*	P1145

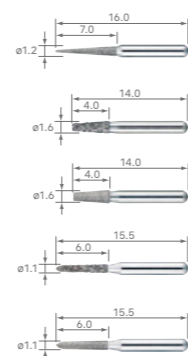
*Compatible Turbines with Integral LED

Bien Air® Couplings

Optic	MODEL	ORDER CODE
●	S-Max pico BLED*	P1144

*Compatible Turbines with Integral LED

MODEL	ORDER CODE
PC4ff • Extra fine bur • Pack of 3	Y1002020
PC5 • Pack of 3	Y1001821
PC5ff • Extra fine bur • Pack of 3	Y1002021
PC6 • Pack of 3	Y1001822
PC6ff • Extra fine bur • Pack of 3	Y1002022



Ti-Max X450



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



- Power : 21 W
- Speed : 380,000-450,000 min⁻¹
- Head Size : ø11.2 x H 13.5 mm
- 45° Angle Head
- For FG extra-long burs (25 mm) only

NSK Couplings

Optic	MODEL	ORDER CODE
●	X450L	P1078

KaVo® Couplings

Optic	MODEL	ORDER CODE
●	X450KL	P1079

Dentsply Sirona® Couplings

Optic	MODEL	ORDER CODE
●	X450SL	P1080

W&H® Couplings

Optic	MODEL	ORDER CODE
●	X450WLED*	P1082

*Compatible Turbines with Integral LED

Bien Air® Couplings

Optic	MODEL	ORDER CODE
●	X450BLED*	P1081

*Compatible Turbines with Integral LED

Pana-Max PLUS




- Stainless Steel Body
- Ceramic Bearings
- Push Button Chuck
- Quattro Spray
- Clean Head System
- Anti-Retraction Valve
- Air Pressure Regulating Valve




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



Standard Head
 • Speed : 340,000-410,000 min⁻¹
 • Head Size : ø12.1 x H 13.3 mm

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

Head	Optic	MODEL	ORDER CODE
Miniature	—	PAP-MU M4	P1021
Standard	—	PAP-SU M4	P1022

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

Head	Optic	MODEL	ORDER CODE
Miniature	—	PAP-MU B2	P1023
Standard	—	PAP-SU B2	P1024

Pana-Max2



- Stainless Steel Body
- Ceramic Bearings
- NSK Ultra Push Chuck
- Single Spray
- Clean Head System
- DIY Cartridge Change
- Anti-Retraction Valve (M4/B2)
- Air Pressure Regulating Valve (M4/B2)



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




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

NSK Couplings


Optic	MODEL	ORDER CODE
—	Pana-Max2 PTL	P1211

KaVo® Couplings

Optic	MODEL	ORDER CODE
—	Pana-Max2 KV	P1212

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

Optic	MODEL	ORDER CODE
—	Pana-Max2 M4	P1154

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

Optic	MODEL	ORDER CODE
—	Pana-Max2 B2	P1155

NSK Couplings



Optic	MODEL	ORDER CODE
●	PTL-CL-LED	P1001600

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



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

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



Optic	MODEL	ORDER CODE
●	KCL-LED	P1005600

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



Optic	MODEL	ORDER CODE
●	SCL-LED	P1009600

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



Optic	MODEL	ORDER CODE
—	FM-CL-M4	P434051

- Stainless Steel Body • Anti-Retraction Valve



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

- Stainless Steel Body • Anti-Retraction Valve

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) LED		 KaVo® Multiflex® LED		 Sirona® Quick Coupling LED	 W&H® Roto Quick®	 Bien Air® UNIFIX®	

Contra-angles

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-angles

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



Gear Ratio	Optic	MODEL	ORDER CODE
1:5 Increasing	●	Z95L	C1034

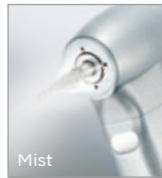
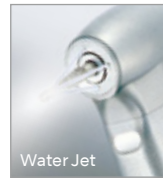
- Max Speed : 200,000 min⁻¹ • For FG burs (ø1.6) • Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIP • Ceramic Bearings
- Quattro Spray (with two way spray function) • Microfilter
- Anti Heat System • Clean Head System • Cellular Glass Optics



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

- Max Speed : 40,000 min⁻¹ • For CA burs (ø2.35) • Push Button Chuck
- Titanium Body with Scratch Resistant DURAGRIP
- Single Spray (with two way spray function) • 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. When using the water jet only it reduces aerosols as the spray air is switched off. Just flick the switch at the bottom of the handpiece to revert to a water/air mist. No equipment modification required.

Easy On/Off Switch



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



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

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



Gear Ratio	Optic	MODEL	ORDER CODE
1:5 Increasing	●	Z85L	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



Gear Ratio	Optic	MODEL	ORDER CODE
4:1 Reduction	●	Z15L	C1039

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



Gear Ratio	Optic	MODEL	ORDER CODE
1:4.5 Increasing	●	Z84L	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 (with two way spray function) • Ceramic Bearings
- Microfilter • Anti Heat System • Clean Head System
- Cellular Glass Optics *For short shank burs only



Gear Ratio	Optic	MODEL	ORDER CODE
16:1 Reduction	●	Z10L	C1040

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

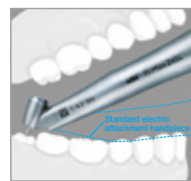
Ti-Max Z45L



Gear Ratio	Optic	MODEL	ORDER CODE
1:4.2 Increasing	●	Z45L	C1064

- Max Speed : 168,000 min⁻¹ • For FG burs (ø1.6) • 45° Angle Head
- Titanium Body with Scratch Resistant DURAGRIP
- Push Button Chuck • Ceramic Bearings
- 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.

Ti-Max nano



Gear Ratio	Optic	MODEL	ORDER CODE
1:5 Increasing	●	nano95LS	C1099

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



Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	nano25LS	C1100

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



Gear Ratio	Optic	MODEL	ORDER CODE
4:1 Reduction	●	nano15LS	C1101

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

Straight Handpiece

Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	nano65LS	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



Gear Ratio	Optic	MODEL	ORDER CODE
1:5 Increasing	●	X95L	C600
1:5 Increasing	—	X95	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



Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X25L	C601
1:1 Direct Drive	—	X25	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



Gear Ratio	Optic	MODEL	ORDER CODE
4:1 Reduction	●	X15L	C602
4:1 Reduction	—	X15	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

Gear Ratio	Optic	MODEL	ORDER CODE
1:5 Increasing	—	X95EX	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



Gear Ratio	Optic	MODEL	ORDER CODE
10:1 Reduction	●	X35L	C620
10:1 Reduction	—	X35	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	ORDER CODE
QF Adaptor	C877701



Gear Ratio	Optic	MODEL	ORDER CODE
16:1 Reduction	●	X57L	C609
16:1 Reduction	—	X57	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



Gear Ratio	Optic	MODEL	ORDER CODE
4:1 Reduction	●	X55L	C608
4:1 Reduction	—	X55	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

Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X65L	H273
1:1 Direct Drive	—	X65	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



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



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



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



Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	—	M65	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



Gear Ratio	MODEL	ORDER CODE
1:1 Direct Drive	FX25m	C1052001

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



Gear Ratio	MODEL	ORDER CODE
4:1 Reduction	FX15m	C1053001

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



Gear Ratio	MODEL	ORDER CODE
16:1 Reduction	FX75m	C1055001

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



Gear Ratio	MODEL	ORDER CODE
4:1 Reduction	FX57m	C1054001

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



Gear Ratio	MODEL	ORDER CODE
1:1 Direct Drive	FX65m	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

MODEL	ORDER CODE
FPB-Y	C875

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



MODEL	ORDER CODE
NAC-Y	C032002

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



MODEL	ORDER CODE
BB-Y	C037

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



MODEL	ORDER CODE
NBBW-Y	C211

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



MODEL	ORDER CODE
NM-Y	C247

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



MODEL	ORDER CODE
FFB-Y	C884

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



MODEL	ORDER CODE
NRS2-Y	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

MODEL	ORDER CODE
AR-Y (S)	C187

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



MODEL	ORDER CODE
AR-Y (K)	C188

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



MODEL	ORDER CODE
EVA-Y	C235

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



Heads for Endodontic Application

MODEL	ORDER CODE
MP-Y	C547

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



MODEL	ORDER CODE
MPA-Y	C548

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



MODEL	ORDER CODE
MPAS-Y	C882

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



MODEL	ORDER CODE
TEQ-Y	C849001

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



MODEL	ORDER CODE
TEP-Y	C837001

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



Shanks

MODEL	ORDER CODE
EC-30	C100008

MODEL	ORDER CODE
EC-30M	C100007

- 1:1 Direct Drive



MODEL	ORDER CODE
ER4	C634

MODEL	ORDER CODE
ER4M	C634002

- 4:1 Reduction



MODEL	ORDER CODE
ER10	C635

- 10:1 Reduction



MODEL	ORDER CODE
ER16	C636

- 16:1 Reduction



General Application



Gear Ratio	MODEL	ORDER CODE
1:1 Direct Drive	NAC-EC	Y110148

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



MODEL	ORDER CODE
Spray Nozzle	C032701

- For NAC (Optional)

Straight Handpieces



Gear Ratio	MODEL	ORDER CODE
1:1 Direct Drive	EX-6B	H260001

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



Gear Ratio	MODEL	ORDER CODE
4:1 Reduction	EX-5B	H262

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



MODEL	ORDER CODE
Spray Nozzle	H019711

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

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

isoE-LUX Light Probe



Optic	MODEL	ORDER CODE
●	isoE-LUX	Z1265

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

Electric Micromotors

NLX nano

Electric Micromotor Portable System

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

Internal Water Spray

Optic	MODEL	ORDER CODE
●	NLX nano S230 (230 V)	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	



Electric Micromotor Integrated System

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



NLX plus

Electric Micromotor Integrated System

Speed : 1,000 – 40,000 min⁻¹, Torque : 4.0 Ncm, with Endo Function

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



Air Motors

Ti-Max X205L

Internal Water Spray

Optic	MODEL	ORDER CODE
●	X205L	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

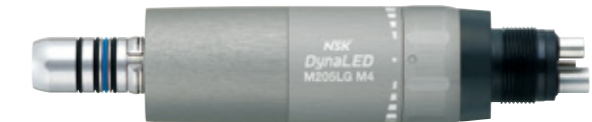


DynaLED M205LG

Internal Water Spray

Optic	MODEL	ORDER CODE
●	M205LG M4	M1018
●	M205LG B2	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
• Self-generating LED Air Motor • Anti-Retraction Valve

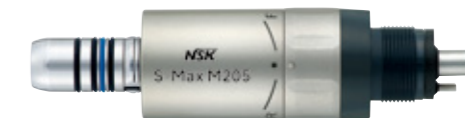


S-Max M205

Internal Water Spray

Optic	MODEL	ORDER CODE
—	M205	M1007

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



FX205m

External Water Spray

Optic	MODEL	ORDER CODE
—	FX205m M4	M1005001
—	FX205m B2	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



Ultrasonic Scaler

Varios 970

Optic	MODEL	ORDER CODE
●	VA970 LUX 230V S1	Y1004161
—	VA970 230V S1	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

NSK Couplings

Optic	MODEL	ORDER CODE
●	S970L	T1005
—	S970	T1020

KaVo® Couplings

Optic	MODEL	ORDER CODE
●	S970KL	T1013



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics • 3 level Power Ring
- Includes 3 tips (S1, S2 & S3), Tip Wrench (CR-20) and Tip Cover (L)

Restorative Minimal Intervention

MODEL	ORDER CODE
G61D	Z217601

- Diamond coated

MODEL	ORDER CODE
G62D	Z217602

- Diamond coated

MODEL	ORDER CODE
G65D	Z217605

- Diamond coated

MODEL	ORDER CODE
G66D	Z217606

- Diamond coated

MODEL	ORDER CODE
G67D	Z217607

- Diamond coated

MODEL	ORDER CODE
G68D	Z217608

- Diamond coated

Condensation

MODEL	ORDER CODE
G21	Z217010

- Water not required • For anterior teeth
- 3 caps supplied

MODEL	ORDER CODE
G22	Z217020

- Water not required • For posterior teeth
- 3 caps supplied

Loosening / Plugging

MODEL	ORDER CODE
G26	Z217206

- For post removal

MODEL	ORDER CODE
G28	Z217208

- Water not required
- For amalgam condensation

V-TIP System

MODEL	ORDER CODE
V30	Z217030

- Includes E-Tip replacement wrench
- V-Tip Holder • Tip is optional

Restorative (V-TIP) Minimal Intervention

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

Finishing / Trimming / Polishing

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

Caries Removal

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

Restorative Minimal Intervention

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

Restorative Preparation of Crown Cores

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

MODEL	ORDER CODE
S71D	Z252471





- Diamond coated

MODEL	ORDER CODE
S72D	Z252472




- Diamond coated

Spare Parts



Ti-Max Z



MODEL	PRODUCTS	ORDER CODE
SX3-NU03 Cartridge for Micro head		PA2307X001
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
SX-NU04 Head cap for Micro head		PA2307X050
TiZ-MU04 Head cap for Miniature head		P1051050
TiZ-SU04 Head cap for Standard head		P1052050
SX-NU05 Head cap wrench for Micro Head		PA2307X765

MODEL	PRODUCTS	ORDER CODE
TiZ-MU05 Head cap wrench for Miniature head		Z265006
TiZ-SU05 Head cap wrench for Standard head		Z265007
Cleaning Wire		Z144101



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

MODEL	PRODUCTS	ORDER CODE
Head-cap wrench for X450		P624765


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

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

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



Couplings



MODEL	PRODUCTS	ORDER CODE
Anti-Retraction Valve		P401054
TA Bulb for KCL-6 (Pack of 3)		Y900132



MODEL	PRODUCTS	ORDER CODE
PTL Bulb for PTL (Pack of 3)		Y900529
O-ring Set for KCL-6/LED		Y900211

MODEL	PRODUCTS	ORDER CODE
O-ring Set for SCL-LED		S900060



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

MODEL	PRODUCTS	ORDER CODE
FFB-03 Cartridge for FFB		C884060
Spray Nozzle For NAC, BB, FPB, FFB, TEP		C032701

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

MODEL	PRODUCTS	ORDER CODE
BB-03 Cartridge for BB		C037015
NBB-03 Cartridge for NBBW		C210015

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For EX-5B, EX-6B		H019711
FPB-02 Middle Gear		C875012

MODEL	PRODUCTS	ORDER CODE
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

NSK Dental Nordic www.nsk-nordic.com
Furstenbergsgatan 4
41664 Gothenburg, Sweden

Specifications are subject to change without notice.