

# 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

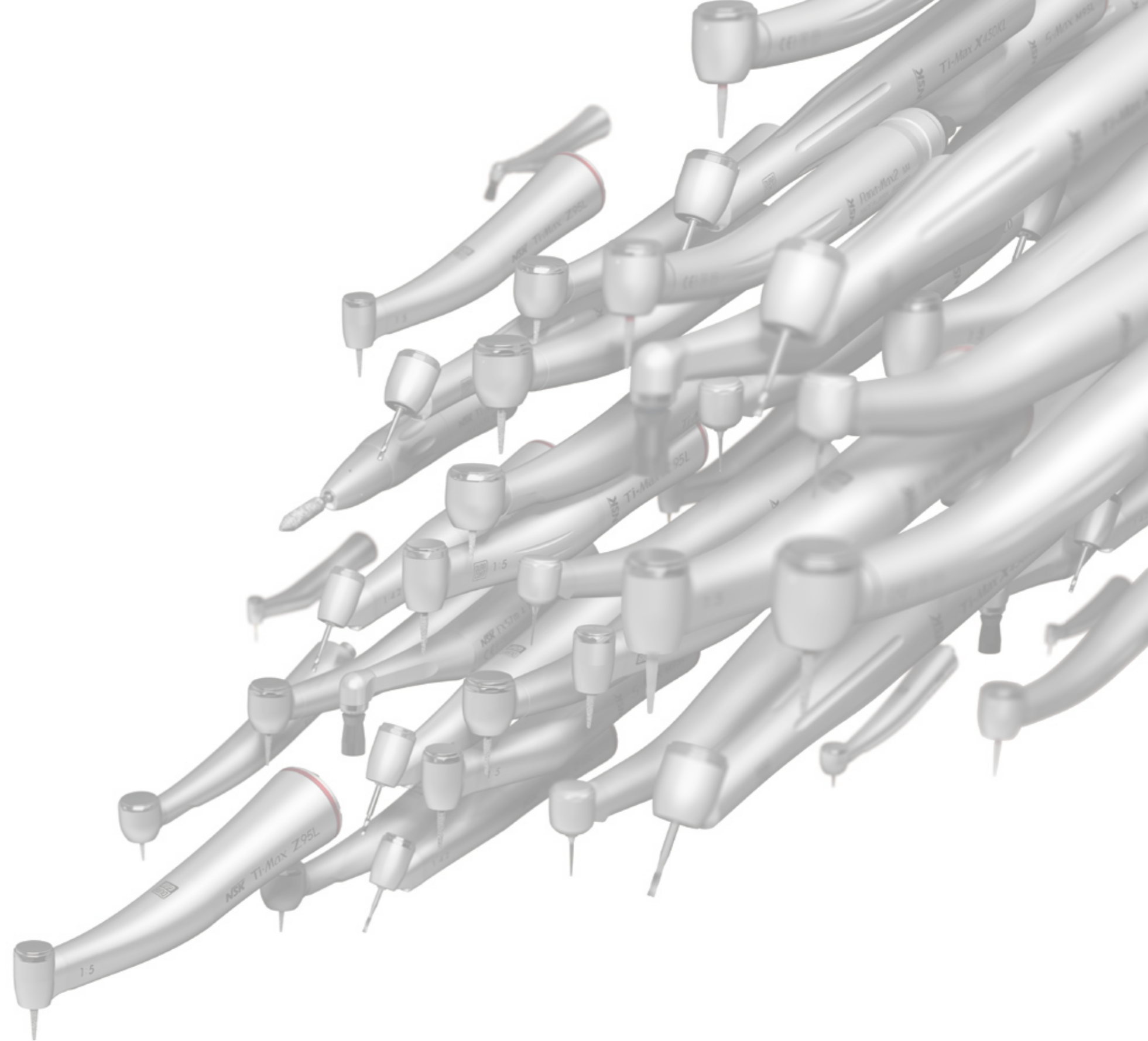
Technology & Function	P 15 - 16
Ti-Max Z	P 17 - 20
Ti-Max Z45L	P 21
nano series	P 22
Ti-Max X	P 23 - 24
S-Max M	P 25
FX Series	P 26
EX Series / isoE-LUX	P 27 - 28

## 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.



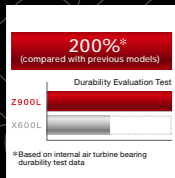
# Ti-Max Z Air Turbine

Amazing power  
in your hands.



## New Three-Dimensional Rotor

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

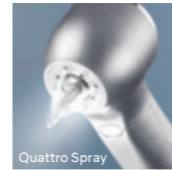
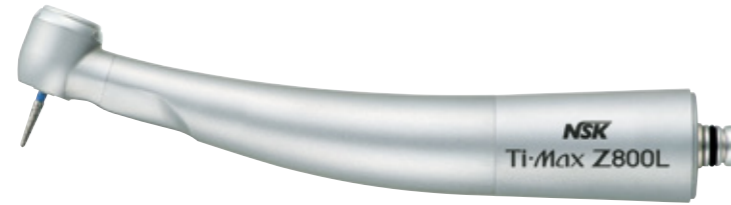


## New Bearings

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<sup>-1</sup> ● 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

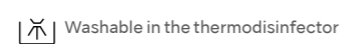
**OPTIC** MODEL: **Z900L** ORDER CODE: **P1111**

- Power : 26 W ● Speed : 320,000-400,000 min<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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

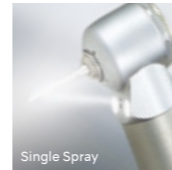
Clinical Micromotors

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<sup>-1</sup> ● 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

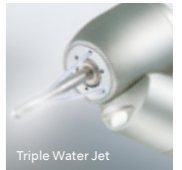
## COUPLING OPTIONS

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

# Ti-Max X450

Connect to NSK Couplings



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

- Power : 21 W ● Speed : 380,000-450,000 min<sup>-1</sup> ● 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

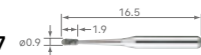
## COUPLING OPTIONS

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

\*Compatible Turbines with Integral LED

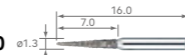
## pico bur

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**



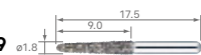
● Extra fine bur ● Pack of 3

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



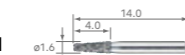
● Extra fine bur ● Pack of 3

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



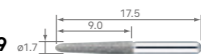
● Pack of 3

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



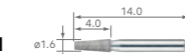
● Pack of 3

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



● Extra fine bur ● Pack of 3

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



● Extra fine bur ● Pack of 3

Washable in the thermodisinfecteur

Autoclavable

# Pana-Max PLUS



## Miniature Head

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

- Speed : 380,000-450,000 min<sup>-1</sup>
- 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**

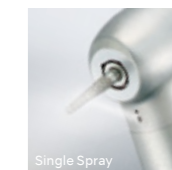
- Speed : 340,000-410,000 min<sup>-1</sup>
- Head Size : ø12.1 x H 13.3 mm
- Stainless Steel Body
- Ceramic Bearings
- Push Button Chuck
- Quattro Spray
- Clean Head System
- Midwest 4 hole
- Anti-Retraction Valve
- Air Pressure Regulating Valve

## 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<sup>-1</sup>
- 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<sup>-1</sup>
- 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











# Ti-Max X



## 1:5 Increasing

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

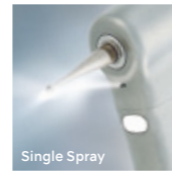
- Max Speed: 200,000 min<sup>-1</sup> ● For FG burs (ø1.6) ● Titanium Body with Scratch Resistant DURACOAT
- Push Button Chuck ● Ceramic Bearings ● Quattro Spray ● Microfilter ● Anti Heat System
- Clean Head System ● Cellular Glass Optics



## 1:1 Direct Drive

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

- Max Speed: 40,000 min<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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

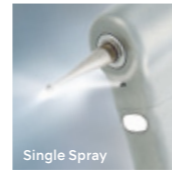
## 1:5 Increasing



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

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

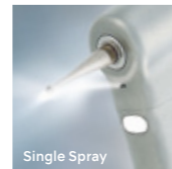
## 1:1 Direct Drive



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

- Max Speed: 40,000 min<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup>
- 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<sup>-1</sup>
- For CA burs (ø2.35)
- Latch type



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

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



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

- Max Speed: 40,000 min<sup>-1</sup>
- 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<sup>-1</sup>
- For CA burs (ø2.35)
- Miniature Head
- Latch type



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

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



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

- Max Speed: 3,000 min<sup>-1</sup>
- 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<sup>-1</sup>
- For screw-in cups and brushes



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

- Max Speed: 5,000 min<sup>-1</sup>
- For snap-on cups



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

- Max Speed: 10,000 min<sup>-1</sup>
- 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<sup>-1</sup>
- Miniature Head
- Push Button Chuck



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

- Max Speed: 20,000 min<sup>-1</sup>
- 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<sup>-1</sup>
- 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<sup>-1</sup>
- 80° Twist
- For engine files (ø2.35)
- Push Button Chuck



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

- Max Speed: 4,000 min<sup>-1</sup>
- 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<sup>-1</sup>
- 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<sup>-1</sup>
- For HP burs (ø2.35)
- Clean Head System



### 4:1 Reduction

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

- Max Speed: 10,000 min<sup>-1</sup>
- 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<sup>-1</sup>, 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<sup>-1</sup> ● 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<sup>-1</sup> ● 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<sup>-1</sup> ±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<sup>-1</sup> ±10% (M4), Max Speed: 25,000 min<sup>-1</sup> ±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<sup>-1</sup> ±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<sup>-1</sup> ±10% (M4), Max Speed: 25,000 min<sup>-1</sup> ±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 **NSK Satelec**

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 **NSK Satelec**

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 **NSK Satelec**

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



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



### V-TIP System **NSK Satelec**

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
<b>TiZ-MU03</b> Cartridge for Miniature head		<b>Y1002075</b>
<b>TiZ-SU03</b> Cartridge for Standard head		<b>Y1002076</b>
<b>PTL O-ring Set</b> (Pack of 5)		<b>Y900580</b>



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

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

## S-Max M


MODEL	PRODUCTS	ORDER CODE
<b>SX-MU03</b> Cartridge for Miniature head		<b>P1280</b>
<b>SX-SU03</b> Cartridge for Standard head		<b>P1281</b>

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

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



## S-Max pico



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

MODEL	PRODUCTS	ORDER CODE
<b>SX-PU04</b> Head cap for S-Max pico		<b>P1140500</b>

MODEL	PRODUCTS	ORDER CODE
<b>SX-PU05</b> Head cap wrench for S-Max pico		<b>20002803</b>

## Ti-Max X450

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



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



## Couplings

MODEL	PRODUCTS	ORDER CODE
<b>Anti-Retraction Valve</b>		<b>P401054</b>

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


## Pana-Max PLUS

MODEL	PRODUCTS	ORDER CODE
<b>SX-MU03</b> Cartridge for Miniature head		<b>P1280</b>
<b>SX-SU03</b> Cartridge for Standard head		<b>P1281</b>

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



## Pana-Max2



MODEL	PRODUCTS	ORDER CODE
<b>PAX2-SU03</b> Cartridge		<b>P1190</b>



MODEL	PRODUCTS	ORDER CODE
<b>PAX2-SU04</b> Head cap		<b>P1190050</b>

MODEL	PRODUCTS	ORDER CODE
<b>PAX2-SU05</b>		<b>P1190765</b>





## FX Series

MODEL	PRODUCTS	ORDER CODE
<b>FX25-04</b> Head cap for FX25m		<b>C1052500</b>
<b>FX25-03</b> Cartridge for FX25m		<b>C1052700</b>





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

MODEL	PRODUCTS	ORDER CODE
<b>FX Wrench</b> For FX25m		<b>C1052701</b>
<b>Tube</b>		<b>Z166101</b>

## EX Series

MODEL	PRODUCTS	ORDER CODE
<b>FPB-03</b> Cartridge for FPB		<b>C875060</b>
<b>NAC-03</b> Cartridge for NAC		<b>C030011</b>
<b>BB-03</b> Cartridge for BB		<b>C037015</b>
<b>NBB-03</b> Cartridge for NBBW		<b>C210015</b>

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

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

## Ti-Max X95EX

MODEL	PRODUCTS	ORDER CODE
<b>Tube</b>		<b>Z166101</b>

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