

„TÜV Rheinland
LGA Products GmbH“
Tillystrasse 2, 90431 Niurnbergas

Priedas prie sertifikato

Registracijos Nr. HD 60144337 0001
Ataskaitos Nr. 12031343 004

Gamintojas: „Nakanishi Inc.“
700 „Shimohinata“, „Kanuma“,
„Tochigi“,
322-8666 Japonija

Įtraukti produktai:

- Pneumatinis dantų gręžimo sistemos antgalis
- Deimantinis dantų šlifavimas, daugkartinis
- Dantų gręžimo sistemos tvirtinimas
- Linijinis dantų gręžimo sistemos instrumentas
- Pneumatinis dantų valymo sistemos rinkinys
- Pneumatinis dantų mastelio keitimo sistemos įrankio antgalis
- Oro variklis
- Nuotoliniu būdu valdomas dantų gręžimo sistemos variklis
- Endodontinis padidintuvas
- Dantų profesionalios profilaktikos variklis
- Endodontinis viršūnės nustatymas
- Dantų šlifavimo oro purkštukų sistemos instrumentas
- Dantų abrazyviniai milteliai
- Pjovimo įrankio pritvirtinimas, grįžtamasis
- Pjovimo įrankio pritvirtinimas, virpėjimas

Notifikuotoji įstaiga
Spaudas

Data: 2019-11-12

Parašas

Takashi Matsuda

„TÜV Rheinland
LGA Products GmbH“
Tillystrasse 2, 90431 Niurnbergas

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700 „Shimohinata“, „Kanuma“,
„Tochigi“,
322-8666 Japonija

Įtraukti produktai:

- Pjovimo įrankio tvirtinimas, sagitalis
- Daugkartinis chirurginio pjovimo disko stūmoklis
- Daugkartinio naudojimo svyruojantis chirurginis pjūklo diskas
- Sagittalinis chirurginis pjūklo diskas, daugkartinio naudojimo
- Dantų implantų sistema
- daugkartinio naudojimo chirurginis atsuktuvus
- Ultragarsinė dantų mastelio keitimo sistema
- Ultragarsinis dantų mastelio keitimo sistemos įrankio antgalis
- Dantų ultragarsinės chirurginės sistemos antgalio antgalis
- Dantų ultragarsinė chirurginė sistema
- Bendra chirurginė sistema
- Sterilūs produktai:
- Sterilūs grąžtai
- Sterili burna
- Sterilūs peiliukai
- Sterilūs rapsai
- Sterilūs failai
- Dantų siurbimo sistema, nechirurginė

Notifikuotoji įstaiga

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Gamintojas: „Nakanishi Inc.“
700 „Shimohinata“, „Kanuma“,
„Tochigi“,
322-8666 Japonija

Įtraukti produktai:

- Pneumatinis chirurginis gręžimo aparatas
- Elektrinė gręžimo sistema, skirta dantų chirurgijai, dantų implantų ir pėdų bei kulkšnies chirurgijai
- Išorinis tiesus aušinimo skysčio pėdos ir burnos chirurgijos įrankis

Įtraukta:
Visos gamyklos
990 Fukahodo, Kanuma, Tochigi, 322-0302, Japonija

Notifikuotoji įstaiga

Data: 2019-11-12

Spaudas

Parašas

Takashi Matsuda

Certificate



Quality Management System
EN ISO 13485:2016

Registration No.: SX 2002410-1

Organization: Nakanishi Inc.
700 Shimohinata,
Kanuma, Tochigi,
322-8666 Japan

Scope: Design and Development, Manufacture, Distribution and Service of
Instruments and Equipment in Dental and Surgical Field.
(see attachments for products and additional sites included)

The Certification Body of TÜV Rheinland LGA Products GmbH certifies that the organization has established and applies a quality management system for medical devices. Proof has been furnished that the requirements specified in the abovementioned standard are fulfilled. The quality management system is subject to yearly surveillance.

Report No.: 150268114-301

Effective date: 2023-04-27

Expiry date: 2026-04-26

Issue date: 2023-04-24



Atsushi Kato
Atsushi Kato
TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany



Certificate



Quality Management System
EN ISO 13485:2016

Registration No.: SX 2002410-1

Organization: Nakanishi Inc.
700 Shimohinata,
Kanuma, Tochigi,
322-8666 Japan

The scope of certification also covers the following:

No.	Facility	Scope
/01	c/o Nakanishi Inc. 700 Shimohinata, Kanuma, Tochigi, 322-8666 Japan	Design, Development, Manufacture and Distribution of Pneumatic dental drilling system handpiece Diamond dental bur, reusable Dental drilling system attachment Line-powered dental drilling system handpiece Pneumatic dental scaling system handpiece Pneumatic dental scaling system handpiece tip Air Motor Remotely-driven dental drilling system motor Endodontic enlarger Dental-professional prophylaxis motor Endodontic apex locator Dental abrasive air jet system handpiece Dental abrasive powder Sawing power tool attachment, reciprocating Sawing power tool attachment, oscillating Sawing power tool attachment, sagittal Reciprocating surgical saw blade, reusable Oscillating surgical saw blade, reusable Sagittal surgical saw blade, reusable Dental implant system

Report No.: 150268114-301

Effective date: 2023-04-27

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Atsushi Kato

TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany



Certificate



Quality Management System
EN ISO 13485:2016

Registration No.: SX 2002410-1

Organization: Nakanishi Inc.
700 Shimohinata,
Kanuma, Tochigi,
322-8666 Japan

The scope of certification also covers the following:

Surgical screwdriver, reusable
Ultrasonic dental scaling system
Ultrasonic dental scaling system handpiece tip
Dental ultrasonic surgical system
Dental ultrasonic surgical system handpiece tip
Total Surgical System
Sterile Products:
- Sterile Drills
- Sterile Burs
- Sterile Blades
- Sterile Rasps
- Sterile Files
Dental suction system, non-surgical
Pneumatic Surgical Drilling Machine
Electric drill system for dental surgery, dental implant surgery
and foot- and ankle- surgery
External Coolant Straight Handpiece for foot surgery and oral
surgery
Dental rotary cutting instruments (for laboratory use)
Sterilizers (for Japan)

Report No.: 150268114-301

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TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany



Certificate



Quality Management System
EN ISO 13485:2016

Registration No.: SX 2002410-1

Organization: Nakanishi Inc.
700 Shimohinata,
Kanuma, Tochigi,
322-8666 Japan

The scope of certification also covers the following:

Servicing of
Pneumatic dental drilling system handpiece
Dental drilling system attachment
Line-powered dental drilling system handpiece
Pneumatic dental scaling system handpiece
Air Motor
Remotely-driven dental drilling system motor
Endodontic enlarger
Dental-professional prophylaxis motor
Endodontic apex locator
Dental abrasive air jet system handpiece
Sawing power tool attachment, reciprocating
Sawing power tool attachment, oscillating
Sawing power tool attachment, sagittal
Dental implant system
Surgical screwdriver, reusable
Ultrasonic dental scaling system
Dental ultrasonic surgical system
Total Surgical System
Dental suction system, non-surgical
Pneumatic Surgical Drilling Machine
Electric drill system for dental surgery, dental implant surgery
and foot- and ankle- surgery

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Tillystraße 2 · 90431 Nürnberg · Germany



Certificate



Quality Management System EN ISO 13485:2016

Registration No.: SX 2002410-1

Organization: Nakanishi Inc.
700 Shimohinata,
Kanuma, Tochigi,
322-8666 Japan

The scope of certification also covers the following:

External coolant Straight Handpiece for foot surgery and oral surgery
Dental rotary cutting instruments (for laboratory use)
Sterilizers (for Japan)

/02 c/o Nakanishi Inc.
A1 Factory
990 Fukahodo,
Kanuma, Tochigi,
322-0302 Japan

Manufacturing of mechanical parts of products in dental and surgical fields and Sterilizers (for Japan)

Report No.: 150268114-301

Effective date: 2023-04-27

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Atsushi Kato
TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany



Certificate



Quality Management System
EN ISO 13485:2016

Registration No.: SX 2002410-1

Organization: Nakanishi Inc.
700 Shimohinata,
Kanuma, Tochigi,
322-8666 Japan

The scope of certification also covers the following:

/03	c/o Nakanishi Inc. Tokyo Sales Office TIXTOWER UENO 9F 4-8-1 Higashi-ueno, Taito-ku, Tokyo, 110-0015 Japan	Distribution and Marketing of Pneumatic dental drilling system handpiece Diamond dental bur, reusable Dental drilling system attachment Line-powered dental drilling system handpiece Pneumatic dental scaling system handpiece Pneumatic dental scaling system handpiece tip Air Motor Remotely-driven dental drilling system motor Endodontic enlarger Dental-professional prophylaxis motor Endodontic apex locator Dental abrasive air jet system handpiece Dental abrasive powder Sawing power tool attachment, reciprocating Sawing power tool attachment, oscillating Sawing power tool attachment, sagittal Reciprocating surgical saw blade, reusable Oscillating surgical saw blade, reusable Sagittal surgical saw blade, reusable Dental implant system Surgical screwdriver, reusable
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Report No.: 150268114-301

Effective date: 2023-04-27

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Issue date: 2023-04-24



Atsushi Kato
TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany

Certificate



Quality Management System EN ISO 13485:2016

Registration No.: SX 2002410-1

Organization: Nakanishi Inc.
700 Shimohinata,
Kanuma, Tochigi,
322-8666 Japan

The scope of certification also covers the following:

Ultrasonic dental scaling system
Ultrasonic dental scaling system handpiece tip
Dental ultrasonic surgical system
Dental ultrasonic surgical system handpiece tip
Total Surgical System
Sterile Products:
- Sterile Drills
- Sterile Burs
- Sterile Blades
- Sterile Rasps
- Sterile Files
Dental suction system, non-surgical
Pneumatic Surgical Drilling Machine
Electric drill system for dental surgery, dental implant surgery
and foot- and ankle- surgery
External Coolant Straight Handpiece for foot surgery and oral
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Sterilizers (for Japan)

Report No.: 150268114-301

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Atsushi Kato

Atsushi Kato

TÜVRheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany

EC DECLARATION OF CONFORMITY

MANUFACTURER

NAKANISHI INC.
700 Shimohinata, Kanuma, Tochigi 322-8666, Japan

AUTHORIZED EU REPRESENTATIVE

NSK EUROPE GmbH
Elly-Beinhorn-Strasse 8, 65760 Eschborn, Germany

MEDICAL DEVICE

General Product Group Name:
Dental drilling system attachment

Product Name: Ti-Max X
Model: See No.05084-12-21 004 Attachment
Order Code: See No.05084-12-21 004 Attachment
Classification: Class IIa (Rule5)
Notified Body: TÜV Rheinland LGA Products GmbH
Tillystrasse 2, 90431 Nürnberg, Germany
Notified Body number: 0197

NAKANISHI INC. is exclusively responsible for the Declaration of Conformity.
The serial number applied to this product is managed by the "Shipping history data".
This Declaration of Conformity is valid for a definite number of manufactured products.

The undersigned hereby declares that the medical device, as specified above, conforms with the essential requirements listed in Annex I of EC Directive 93/42/EEC.

The Declaration of Conformity is based on the EC Directive 93/42/EEC Annex II, excluding Section 4. The Declaration of Conformity is issued under the supervision of TÜV Rheinland LGA Products GmbH, approving the conformity of Annex II Section 3 requirements, with reference to articles 1 and 3 of directive 93/42/EEC.

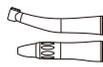
EC Certificate Registration No.: HD 60148508 0001
This Declaration of Conformity is valid until 2024-05-26.

And, this Declaration of Conformity includes the EC Directive 2006/42/EC.

Tochigi, Japan: 2020-12-24
Date


Masaaki Kikuchi,
General Manager Quality Assurance Department

No.	Model	Order Code
1	X12	C616
2	X12L	C606
3	X15	C612
4	X15L	C602
5	X20L	C605
6	X25	C611
7	X25L	C601
8	X35	C624
9	X35L	C620
10	X55	C618
11	X55L	C608
12	X57	C619
13	X57L	C609
14	X65	H274
15	X65L	H273
16	X85	C614
17	X85L	C604
18	X95	C610
19	X95L	C600
20	X10	C613
21	X10L	C603
22	X20	C615
23	X70	C626
24	X70L	C622
25	X75	C627
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OPERATION MANUAL



Ti-Max Z Ti-Max X Ti-Max Z45 Ti-Max nano

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4. Maintenance

4.1. Cleaning instructions. 4.2. Lubrication. 4.3. Storage.

5. Troubleshooting

5.1. Common problems and solutions. 5.2. Contact information.

Download operation manuals



www.nsk-dental.com/support/serguidi.html

NAKASHI INC. NSK Europe GmbH



1. Introduction

1.1. Purpose of the manual. 1.2. Intended users. 1.3. Safety symbols.

2. Safety

2.1. General safety instructions. 2.2. Electrical safety. 2.3. Mechanical safety.

3. Operation

3.1. Pre-operation checks. 3.2. Start-up procedure. 3.3. Normal operation.

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4.1. Cleaning instructions. 4.2. Lubrication. 4.3. Storage.

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The NSK logo is positioned in the top right corner of the advertisement. It consists of the letters 'NSK' in a bold, white, sans-serif font, with a thin white horizontal line above the 'S'.A large, dark-colored dental handpiece is the central focus of the advertisement. It is oriented vertically, with the handle at the top and the working end at the bottom. The handpiece has a textured grip and a cylindrical, porous-looking tip. The background is a solid dark blue.

RESTORATIVE & PROSTHETICS

RESTORATIVE & PROSTHETICS

Create it 

The 'Create it' logo features the text 'Create it' in a white, sans-serif font, followed by a small orange square icon with a white diagonal line.

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 burrs (ø1.6)
- Titanium Body with Scratch Resistant DURACOAT
- Push Button Chuck • Single Spray • Microfilter • 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 burrs (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 burrs (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
1:5 Increasing	—	X95EX	C1072

- Max Speed: 200,000 min⁻¹ • For FG burrs (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 • 40° Twist
- Titanium Body with Scratch Resistant DURACOAT
- Push Button Chuck • Single Spray • Microfilter • Clean Head System • 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: 2,800 min⁻¹ • For Screen-in Clips and Brushes
- 360° Rotation • Special Dust Proof
- Titanium Body with Scratch Resistant DURACOAT
- Wet 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 Profim Tip / EVA Tip / Orthodontics File (Shank ø2.35-2.40 mm) • Vertical Reciprocating (Stroke Length: 1.4 mm)
- Titanium Body with Scratch Resistant DURACOAT
- Microfilter • Cellular Glass Optics • Laminar Tip (not included)
- With Tip Lock Mechanism • The side shank cannot be used.



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 HPHurs (ø2.35) • For CA burrs (ø2.35)*
- Titanium Body with Scratch Resistant DURACOAT
- Single Spray • Clean Head System • Cellular Glass Optics
- *Need to insert the supplied burr stopper

The NSK logo is positioned in the top right corner of the advertisement. It consists of the letters 'NSK' in a bold, white, sans-serif font, with a thin white horizontal line above the 'S'.A large, dark-colored dental handpiece is the central focus of the advertisement. It is oriented vertically, with the handle at the top and the working end at the bottom. The handpiece has a textured, ergonomic grip and a cylindrical working end with a small blue detail. The background is a solid dark blue.

RESTORATIVE & PROSTHETICS

RESTORATIVE & PROSTHETICS

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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.

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.

Autoclavable



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

Thermo-disinfectant Ready



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

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.

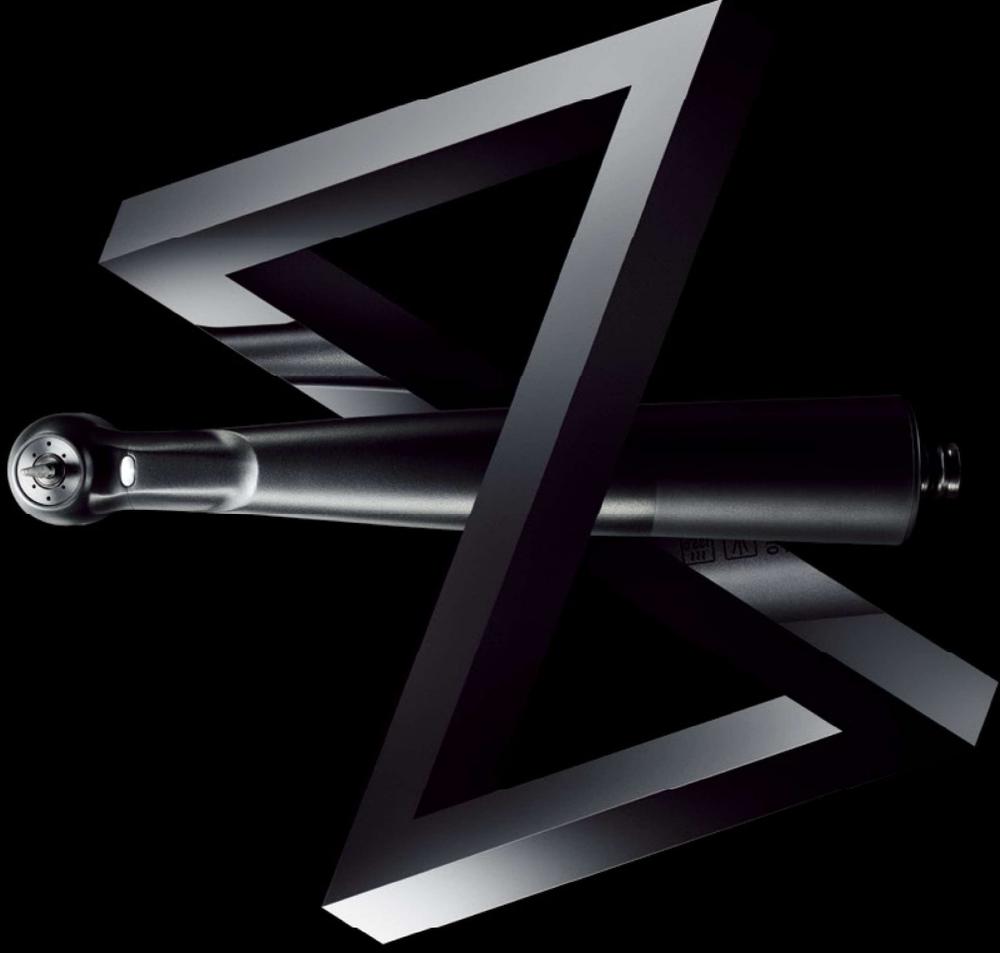
Anti-Retraction Valve

Prevents retraction of contaminated water from entering the water lines.



Ti-MaxZ 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/Z801)
- 3X-Power System (Z micro)
- Quick Stop (Z micro)
- Simple Cartridge Change (Z micro)



Micro Head

- Power: 300-450,000 mW*
- Speed: 300-450,000 rpm*
- Head Size: 90.0 x H 10.8 mm
- Dual Use for regulars standard bur / short shank bur



Miniature Head

- Power: 300-440,000 mW*
- Speed: 300-440,000 rpm*
- Head Size: 90.0 x H 12.1 mm



Standard Head

- Power: 300-400,000 mW*
- Speed: 300-400,000 rpm*
- Head Size: 92.5 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: 300-450,000 mW*
- Speed: 300-450,000 rpm*
- Head Size: 90.0 x H 12.4 mm



Standard Head

- Power: 300-430,000 mW*
- Speed: 300-430,000 rpm*
- Head Size: 92.1 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 microKL	PA2358
Miniature	●	Z800KL	P1112
Standard	●	Z900KL	P1113

Dentsply Sirona® Couplings

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

W&H® Couplings

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

*Compatible Tubing with Integral LED

Bien Air® Couplings

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

*Compatible Tubing 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 Tubing with Integral LED

Bien Air® Couplings

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

*Compatible Tubing 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 / ultrashort shank burs

NSK Couplings		W&H* Couplings		
Optic	MODEL	ORDER CODE	ORDER CODE	
●	S-Max pico	P 1140	P 1145	
KaVo® Couplings		Bien Air® Couplings		
Optic	MODEL	ORDER CODE	ORDER CODE	
●	S-Max pico KL	P 1142	● S-Max pico BLED*	P 1144
Dentsply Sirona® Couplings		pico bur		
Optic	MODEL	ORDER CODE	MODEL	
●	S-Max pico SL	P 1143	PC1	
			• Pack of 3	
			PC2	
			• Pack of 3	
			PC3	
			• Pack of 3	
			PC3ff	
			• Extra fine bur	
			• Pack of 3	
			PC4	
			• Pack of 3	
			PC4ff	
			• Extra fine bur	
			• Pack of 3	
			PC5	
			• Pack of 3	
			PC5ff	
			• Extra fine bur	
			• Pack of 3	
			PC6	
			• Pack of 3	
			PC6ff	
			• Extra fine bur	
			• Pack of 3	

*Compatible Turbines with Integral LED

*Compatible Turbines with Integral LED

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 FC extra-long burs (25 mm) only

NSK Couplings		W&H* Couplings		
Optic	MODEL	ORDER CODE	ORDER CODE	
●	X 450L	P 1078	● X 450WLED*	P 1082
KaVo® Couplings		Bien Air® Couplings		
Optic	MODEL	ORDER CODE	ORDER CODE	
●	X 450KL	P 1079	● X 450BLED*	P 1081
Dentsply Sirona® Couplings		pico bur		
Optic	MODEL	ORDER CODE	MODEL	
●	X 450SL	P 1080	PC1	
			• Pack of 3	
			PC2	
			• Pack of 3	
			PC3	
			• Pack of 3	
			PC3ff	
			• Extra fine bur	
			• Pack of 3	
			PC4	
			• Pack of 3	
			PC4ff	
			• Extra fine bur	
			• Pack of 3	
			PC5	
			• Pack of 3	
			PC5ff	
			• Extra fine bur	
			• Pack of 3	
			PC6	
			• Pack of 3	
			PC6ff	
			• Extra fine bur	
			• Pack of 3	

*Compatible Turbines with Integral LED

*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: ø10.5 x 112.4 mm

Midwest 4 hole (Direct-connect / Screw-on Type)			
Head	Optic	MODEL	ORDER CODE
Miniature	—	PAP-MU M4	P1021
Standard	—	PAP-SU M4	P1022



Standard Head
 • Speed: 340,000-410,000 min⁻¹
 • Head Size: ø12.1 x 113.3 mm

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
- Air Pressure Regulating Valve



• Speed: 350,000-450,000 min⁻¹
 • Head Size: ø11.2 x 113.4 mm

NSK Couplings		
Optic	MODEL	ORDER CODE
—	Pana-Max2 PTL	P1211

KaVo® Couplings		
Optic	MODEL	ORDER CODE
—	Pana-Max2 KV	P1212



• Speed: 350,000-450,000 min⁻¹
 • Head Size: ø11.2 x 113.4 mm

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



LUX coupling

Optic	MODEL	ORDER CODE
●	PTL-CL-LED	P1001600

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



LUX coupling

Optic	MODEL	ORDER CODE
●	KCL-LED	P1005600

- Stainless Steel Body • Titanium coating • Anti-Retriction Valve
- For K&S® MULTIFLEX • LUX with water volume adjuster
- LED incorporated in coupling



Midwest 4-hole

Optic	MODEL	ORDER CODE
—	FM-CL-M4	P434051

- Stainless Steel Body • Anti-Retriction Valve



LUX coupling

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

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



LUX coupling

Optic	MODEL	ORDER CODE
●	SCL-LED	P1009600

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



Borden 2/3 hole

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

- Stainless Steel Body • Anti-Retriction Valve

Fitting Chart By Series

	NSK (Optic)	NSK (Non-Optic)	KaVo® (Optic)	KaVo® (Non-Optic)	Dentsply Strong®	W&H® (Optic)	W&H® (Non-Optic)	BlenAir®
TI-Max Z	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
S-Max M	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/> (M9500)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/> (M900W)	<input type="radio"/>
S-Max pico	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
TI-Max X450	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pana-Max2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Coupling Type								

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-disinfectant Ready



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

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

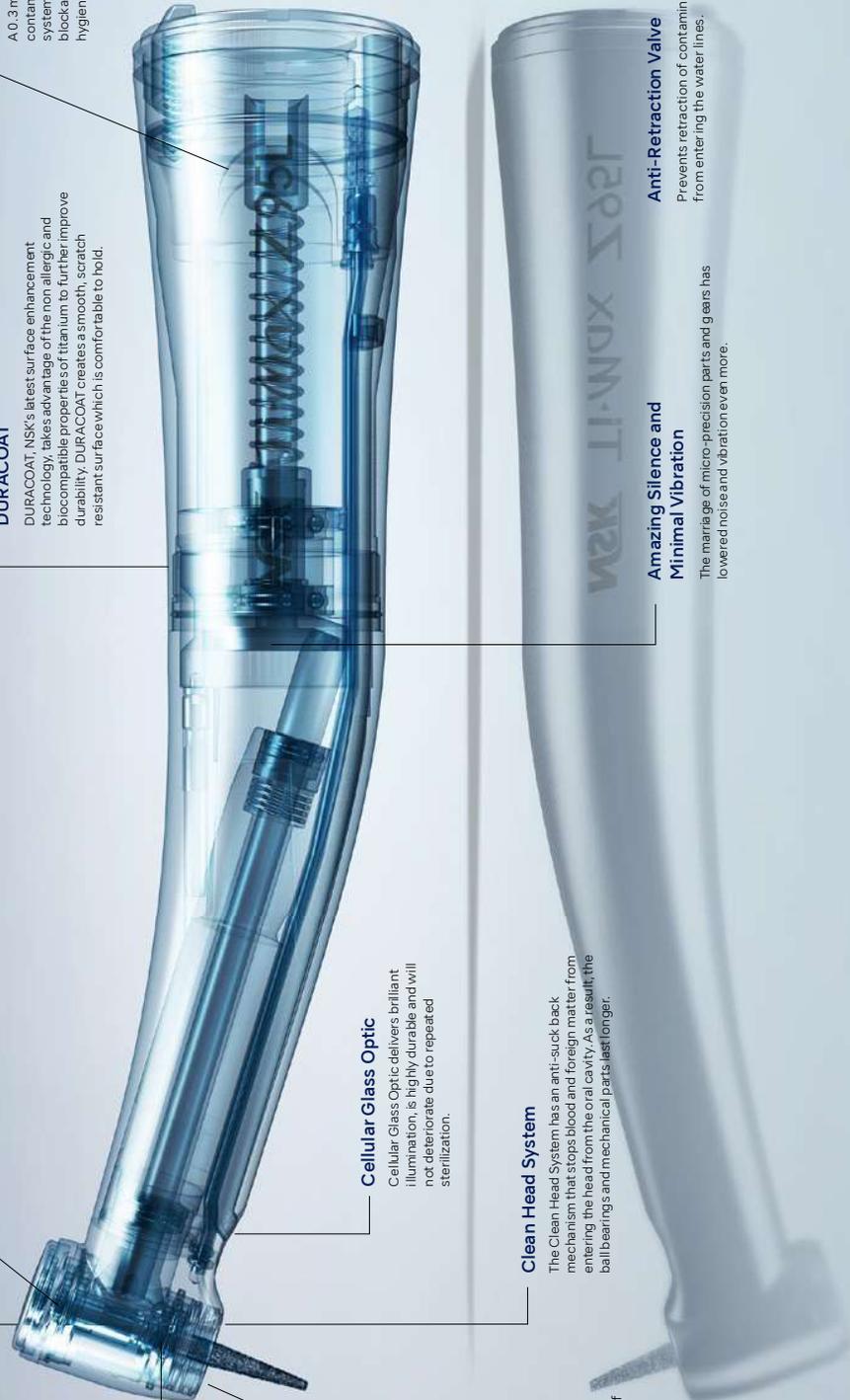
The NSK Quattro Water Spray effectively cools the entire surface of the bur with a high cooling effect, leaving no areas uncovered.

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-MaxZ 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		C 1034

- Max Speed: 200,000 min⁻¹ • For CA bars (ø 3.5) • 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

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	● Z25L		C 1038

- Max Speed: 40,000 min⁻¹ • For CA bars (ø 3.5) • 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
1:1 Direct Drive	● Z24L		C 1126

- Miniature Head • Max Speed: 40,000 min⁻¹ • For CA bars (ø 2.35)
- 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		C 1062

- Miniature Head • Max Speed: 200,000 min⁻¹ • For FC bars (ø 1.5)
- 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 bars only



Gear Ratio	Optic	MODEL	ORDER CODE
1:4.5 Increasing	● Z84L		C 1135

- Miniature Head • Max Speed: 180,000 min⁻¹ • For FC bars (ø 1.5)
- 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 bars only



Gear Ratio	Optic	MODEL	ORDER CODE
4:1 Reduction	● Z15L		C 1039

- Max Speed: 10,000 min⁻¹ • For CA bars (ø 3.5) • 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
16:1 Reduction	● Z10L		C 1040

- Max Speed: 2,500 min⁻¹ • For CA bars (ø 2.35) • 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: 10,000 rpm • For CA bur (S1) - 45° Angled Head
- Titanium Body with Scratch Resistant DUB&GRIP
- 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.

Ti-Max nano



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

- Max Speed: 20,000 rpm • For CA bur (S1) - Push Button Chuck
- Titanium Body with Scratch Resistant DUB&GRIP • 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 rpm • For CA bur (S2, S3) • Push Button Chuck
- Titanium Body with Scratch Resistant DUB&GRIP
- Single Spray • Microfilter • Clean Head System • Cellular Glass Optics



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.



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

- Max Speed: 10,000 rpm • For CA bur (S2, S3) • Push Button Chuck
- Titanium Body with Scratch Resistant DUB&GRIP
- Single Spray • Microfilter • Clean Head System • Cellular Glass Optics



Straight Hand piece

Gear Ratio	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	nano05LS	H1048

- Max Speed: 40,000 rpm • For HPI CA bur (S2, S3) *
- Titanium Body with Scratch Resistant DUB&GRIP
- 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 burrs (ø1.6)
- Titanium Body with Scratch Resistant DURACOAT
- Push Button Chuck • Single Spray • Microfilter • 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 burrs (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 burrs (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
1:5 Increasing	—	X95EX	C1072

- Max Speed: 200,000 min⁻¹ • For FG burrs (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 Head File & Engine File • 40° 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: 2,800 min⁻¹ • For Screen-in Clips and Brushes
- 360° Rotation • Special Dust Proof
- Titanium Body with Scratch Resistant DURACOAT
- No 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 ø2.35-2.40 mm) • Vertical Reciprocating (Stroke Length: 1.4 mm)
- Titanium Body with Scratch Resistant DURACOAT
- Microfilter • Cellular Glass Optics • Laminar Tip (not included)
- With Tip Lock Mechanism • The side shank cannot be used.



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 HPHurs (ø2.35) • For CA burrs (ø2.35)*
- Titanium Body with Scratch Resistant DURACOAT
- Single Spray • Clean Head System • Cellular Glass Optics
- *Heed to insert the supplied burr 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 burrs (61.6) • 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 burrs (62.30) • 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 burrs (62.30) • Stainless Steel Body
- Push Button Chuck • Single Spray • Clean Head System
- Cellular Glass Optics



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

- Max Speed: 40,000 min⁻¹ • For HP burrs (62.30) • For CA burrs (62.30) • Stainless Steel Body • Single Spray • Clean Head System
- Note: Insert this supplied burr at upper.

FX series



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

- Max Speed: 40,000 min⁻¹ • For CA burrs (62.30) • 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 burrs (62.30) • 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	FX75m	C1054001

- Max Speed: 6,000 min⁻¹ • For engine, 6 cut steel burr
- Stainless Steel Body • 360° Rotation • Patra Defense System
- No Spray



Gear Ratio	MODEL	ORDER CODE
1:1 Direct Drive	FX65m	H1014001

- Max Speed: 40,000 min⁻¹ • For HP burrs (62.30) • Stainless Steel Body • Clean Head System

EX series

Heads for General Application External Water Spray

MODEL	ORDER CODE
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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
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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
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NB/BW-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
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FFB-Y C884

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



MODEL	ORDER CODE
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NRS2-Y C549

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



Heads for Prophylaxis Application

MODEL	ORDER CODE
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AR-Y (S) C187

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



MODEL	ORDER CODE
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AR-Y (K) C188

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



MODEL	ORDER CODE
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EVA-Y C235

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



Heads for Endodontic Application

MODEL	ORDER CODE
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MP-Y C547

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



MODEL	ORDER CODE
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MPA-Y C548

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



MODEL	ORDER CODE
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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
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TEP-Y C837001

- Max Speed: 4,000 min⁻¹ • 40° Twist
- For hand files • Push Button Chuck



Shanks

MODEL	ORDER CODE
-------	------------

EC-30 C100008

EC-30M C100007

- 1:1 Direct Drive



MODEL	ORDER CODE
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ER4 C634

ER4M C634002

- 4:1 Reduction



MODEL	ORDER CODE
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ER10 C635

- 10:1 Reduction



MODEL	ORDER CODE
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ER16 C636

- 16:1 Reduction



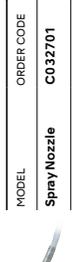
General Application



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

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



MODEL	ORDER CODE
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Spray Nozzle C032701

- For NAC (Optional)

Straight Handpieces



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

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



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

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



MODEL	ORDER CODE
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Spray Nozzle H019711

- For EX-4B, EX-5B (Optional)

ISOE-LUX Light Probe



Optic	MODEL	ORDER CODE
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isoE-LUX 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

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 Adapter

Specifications

(Control Unit) [Micromotor] (Micromotor only)
 • Rated Input AC28 V 50/60 Hz
 • Dimensions: 22 x 44 x 70 mm
 • Dimensions: W 127 x D 49 x H 54 mm
 • Weight : 61 g
 • Weight : 57 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 EndoFunction

Features

- Torque control & Auto reverse feature
- 3 working modes: Auto-reverse on, Auto-stopper/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: 22,000 min⁻¹ (10% (M4), Max Speed: 25,000 min⁻¹ (B2))
 • Midwest 4 Hider / Borden 2 hole • 25,000 LUX
 • Titanium body with scratch-resistant DURACONT
 • Anti-Retractation Valve



DynaLED M205LG

Internal Water Spray

Optic	MODEL	ORDER CODE
●	M205LGM4	M1018
●	M205LGB2	M1019

• Max Speed: 22,000 min⁻¹ (10% (M4), Max Speed: 25,000 min⁻¹ (B2))
 • Midwest 4 Hider / Borden 2 hole • 25,000 LUX
 • Self-generating LED Air-Motor • Anti-Retractation Valve



S-Max M205

Internal Water Spray

Optic	MODEL	ORDER CODE
—	M205	M1007

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



Ultrasound Scaler

Varios 970

Optic	MODEL	ORDER CODE
●	VA970 LUX 230V S1	Y1004161
—	VA970 230V S1	Y1004160

Contents

- Control unit
- Handpiece
- Handpiece cord
- Foot control (FC-70)
- 2 x Irrigation bottles
- 3 x Tip wrench with torque limiter
- AC powercord
- 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
- Includes 3 Tips (S1, S2 & S3) Tip Wrench (Etr-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

MODEL	ORDER CODE
G21	Z217010

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

MODEL	ORDER CODE
G22	Z217020

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

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 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

MODEL	ORDER CODE
V-G76	Y900122

- Diamond coated • Pack of 3

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

Carries 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-MU03	Cartridge for Miniature head	PA2307001
TIZ-MU03	Cartridge for Miniature head	Y1002075
TIZ-SU03	Cartridge for Standard head	Y1002076
PTL O-ring Set (Pack of 5)		Y900580

S-Max M

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

S-Max pico

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

Ti-Max X450

MODEL	PRODUCTS	ORDER CODE
TX45-SU03	Cartridge for Standard head	Y1001906
PTL O-ring Set (Pack of 5)		Y900580

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
TIZ-MU05	Head cap wrench for Miniature head	Z265006
TIZ-SU05	Head cap wrench for Standard head	Z265007
Cleaning Wire		Z144101

MODEL	PRODUCTS	ORDER CODE
SX-SU04	Head cap for Standard head	P1027500
SX-SU05	Head cap wrench for Miniature head & Standard head	20000635

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

MODEL	PRODUCTS	ORDER CODE
Head-cap wrench for X450		P624765

MODEL	PRODUCTS	ORDER CODE
SX-SU05	Head cap wrench for Standard head	20000635

MODEL	PRODUCTS	ORDER CODE
PAX2-SU03	Cartridge	P1190

Couplings

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

FX Series

MODEL	PRODUCTS	ORDER CODE
FXZ5-04	Head cap for FXZ5m	C1052500
FXZ5-03	Cartridge for FXZ5m	C1052700

EX Series

MODEL	PRODUCTS	ORDER CODE
FBB-03	Cartridge for FBB	C875040
NAC-03	Cartridge for NAC	C830011
BB-03	Cartridge for BB	C870015
NBB-03	Cartridge for NBB	C210015

Ti-Max X95EX

MODEL	PRODUCTS	ORDER CODE
Tube		Z166101

MODEL	PRODUCTS	ORDER CODE
PAX2-SU05		P1190765

MODEL	PRODUCTS	ORDER CODE
PAX2-SU04	Head cap	P1190550

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

MODEL	PRODUCTS	ORDER CODE
FX Spray nozzle	For FXZ5m	C1052701
Spray Nozzle	For FXZ5m	H019711

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

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416 64, Gothenburg, Sweden

-Vertimas iš Anglų kalbos-

Logotipas

EB sertifikatas

Direktyvos 93/42 / EEB II priedas, išskyrus 4 skirsnį
 Visiška kokybės užtikrinimo sistema
 Medicininiai prietaisai

Registracijos Nr.	HD 60144337 0001
Ataskaitos Nr.	12031343 004
Gamintojas:	„Nakanishi Inc.“ 700 „Shimohinata“, „Kanuma“, „Tochigi“, 322-8666 Japonija
Produktas:	Odontologijos ir chirurgijos sričių instrumentai ir įranga (žiūrėkite pridedamus gaminių priedus) Pakeičia patvirtinimą, registracijos Nr. : HD 60118708 0001
Galiojimo data:	2022-05-08

Notifikuotoji įstaiga deklaruoja, kad išvardytiems produktams buvo įvykdyti II priedo, išskyrus Direktyvos 93/42 / EEB 4 skirsnį, reikalavimai. Pirmiau nurodytas gamintojas įsitvirtino ir taiko kokybės užtikrinimo sistemą, kuriam taikoma periodinė priežiūra, apibrėžta II priede. minėtos direktyvos 5 skirsnis. Pateikiant rinkai III klasės prietaisus, kuriems taikomas šis pažymėjimas, reikalingas EB projekto patikros sertifikatas pagal II priedo 4 skirsnį

Įsigaliojimo data:	2019-11-12	Notifikuotoji įstaiga	
Data:	2019-11-12	Parašas	<i>Spaudas</i>
		Takashi Matsuda	

TUV Rheinland LGA Products GmbH - TillystraBe 2 - 90431 Nurnberg
 „TUV Rheinland LGA Products GmbH“ yra notifikuotoji įstaiga pagal Direktyvą 93/42 / EEB dėl medicinos prietaisų, kurių identifikavimo numeris yra 0197.