



Your Reliable Partner for Dental Instruments.

www.thidental.com

2020-2021



Your Reliable Partner for Dental Instruments.

● **Your TTBio Quality Advantage Pressure For Perfection**

To make sure Dentists feel comfortable while using TTBio dental instruments, we have been working strenuously to include every well-noted quality control method to guarantee the highest product quality. Because of our insistence on quality improvement, TTBio has been given numerous certifications.



● **Certification of Medical System and Products**

ISO 13485:2006
FDA 510 (K) clearance letter No. K052822, No K062812, No K102517,
No K112305, No K132570, No K141183
CE0086 comply with 93/42/EEC
SFDA 2019 No. 20192170057 No. 20192170058 No.20192170059
TFDA No. 004431

● **Your TTBio Design Advantage User-friendly Instrument**

TTBio always concern about the Dentists' need. This motivated us to design a comfortably controlled handpiece with ergonomic, quiet, and light-weight characteristics. Thanks to the integrated head design with a strong body structure for the handpiece, the problem of plaque removal from the equipment was eliminated easily. With a modified water spray system, the cooling efficiency has been highly improved. Also, by using robust and light-weight material, TTBio handpieces provide a comfortable operating experience to enhance the treatment quality for the Dentists.



● **Your TTBio Technology Advantage Make The Dream Come True**

With talented Engineers in photonics, mechanics, electronics and electrical engineering, TTBio is able to design and manufacture the most reliable dental instruments. During the process of developing products, we have used designing and analyzing software such as FEA, Spectrum Analysis, Matlab, Siglab, and Cosmosworks with advanced equipment to analyze problems and generate solutions effectively to achieve continuous innovation success.



● **Your TTBio Service Advantage Listen To Customer Needs**

TTBio is devoted to establish a strong global service network and create a customer satisfaction-oriented process to become the most faithful partner of the Dentists in the world. In pursuit of perfect customer service, TTBio has been provided total solution that includes OEM/ODM service, on time delivery standard, and complete after-sales service to carry out our mission.



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ELLITE HIGH SPEED HANDPIECE

Quiet
Comfort
Powerful
Lightweight

OMNI-DIRECTIONAL WATER SPRAY SYSTEM

Quadruple water spary provides supreme cooling and visibility during treatment.

CUTTING POWER

Up to 23 Watts of cutting power, enhanced by the patented TBS and HTC system.

HTC CHUCK SYSTEM

The state-of-the-art high tension chuck system is made by special alloy with cutting-edge manufacturing technology.

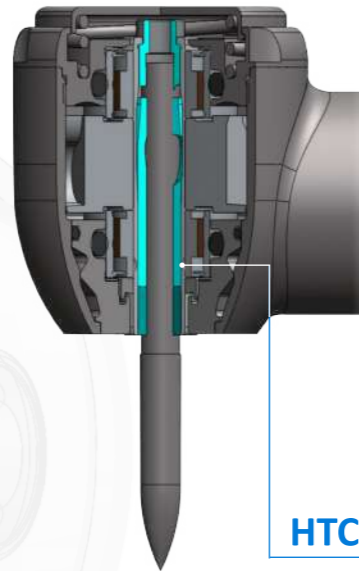
EVO
500 SERIES

Elite

- PREMIUM QUALITY AND DESIGN
- OUTSTANDING DURABILITY
- BEST TREATMENT PERFORMANCE

EVO500

POWERFUL, QUIET, LIGHTWEIGHT AND COMFORT



HTC Chuck System

The state-of-the-art high tension chuck system is made by special alloy with cutting-edge manufacturing technology.

Omni-Directional Water Spray System

Omni-Directional multiple spray system provides the excellent cooling efficiency.

Omni-Directional Lighting System

The fiber optic light provides 25,000 lux brightness to the operating environment.

Easy Grip Coating

Smooth surface with special multi-layers coating which provides better infection control and more comfortable to hold.

Lightweight and Ergonomic Design

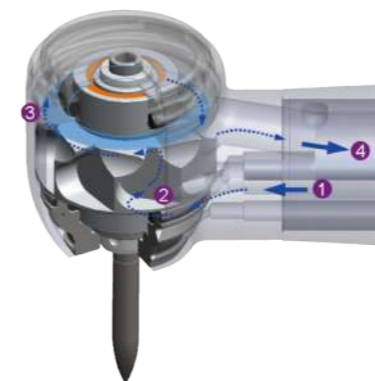
Decreases the stress on a dentist's hand and wrist.

Stainless Steel Head & Body

High strength stainless steel material and cutting-edge production technology for long-lasting durability and reduces the fatigue on a dentist's hand.

Cutting Power

Up to 23 Watts of cutting power, enhanced by the patented TBS and HTC system.



The Patented TTBio Booster System (TBS*)

The drive air goes through the nozzle powers the impeller. Due to the patented power booster system, the exhaust air is guided by a special asymmetric impeller and grooved back cap. It will tidy up the turbulence and speed up the exhaust airflow. It will upgrade the torque significantly even under heavy loaded operation.

- 1 Drive air jet
- 2 Asymmetric impeller
- 3 Air flow accelerator
- 4 Exhaust nozzle

MODEL

EVO 500 T / M EVO 500 TL / ML	T : 08010110 M : 08010112 TL : 08010109 ML : 08010111	TTBio EZclick	
EVO 500K T / M EVO 500K TL / ML	T : 08010102 M : 08010104 TL : 08010101 ML : 08010103	TTBio EZclick-K for KaVo® MULTiflex®	
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EVO 500W T / M EVO 500W TL / ML	T : 08010123 M : 08010125 TL : 08010122 ML : 08010124	TTBio EZclick-W for W&H® Roto Quick®	
EVO 500Y T / M EVO 500Y TL / ML	T : 08010216 M : 08010218 TL : 08010217 ML : 08010219	TTBio EZclick-Y for Yoshida® LX-503®	



Omni-directional LED or Xenon Lighting System
With 25,000 LUX, light is delivered to wherever needed. Built-in Glass Rod ensures high level of lighting performance after repeatedly sterilized.

KaVo® and MULTiflex® are the trade marks of Kaltenbach & Voigt GmbH Co., Germany. W&H® and Roto Quick® are the trade marks of W&H Dentalwerk Bürmoos GmbH, Austria. NSK® and Q-DJ® and Mach® are the trade marks of NAKANISHI INC., Japan. YOSHIDA® and LX-503® are the trade marks of Yoshida Dental Mfg. Co., Ltd., Japan.

* Taiwan Patent No.: M451947
U.S.A. Patent No.: US 2014/0212271 A1
German Patent No.: 202013100477.4
Japan Patent No.: 3182759
China Patent No.: 201320012786.X

Powerful
Mini Head
Perfect Accessibility

3 WATER JET

Triple water jet provides supreme cooling and visibility during treatment.

CUTTING POWER

Up to 23 Watts of cutting power, enhanced by the patented TBS and HTC system.

ACCESSIBILITY & SMALL HEAD

45° Head Angle with Smallest Head Size provides maximum access to the molar area.

HTC CHUCK SYSTEM

The state-of-the-art high tension chuck system is made by special alloy with cutting-edge manufacturing technology.

EVO
450 SERIES



- PREMIUM QUALITY AND DESIGN
- OUTSTANDING DURABILITY
- BEST TREATMENT PERFORMANCE

EVO 450

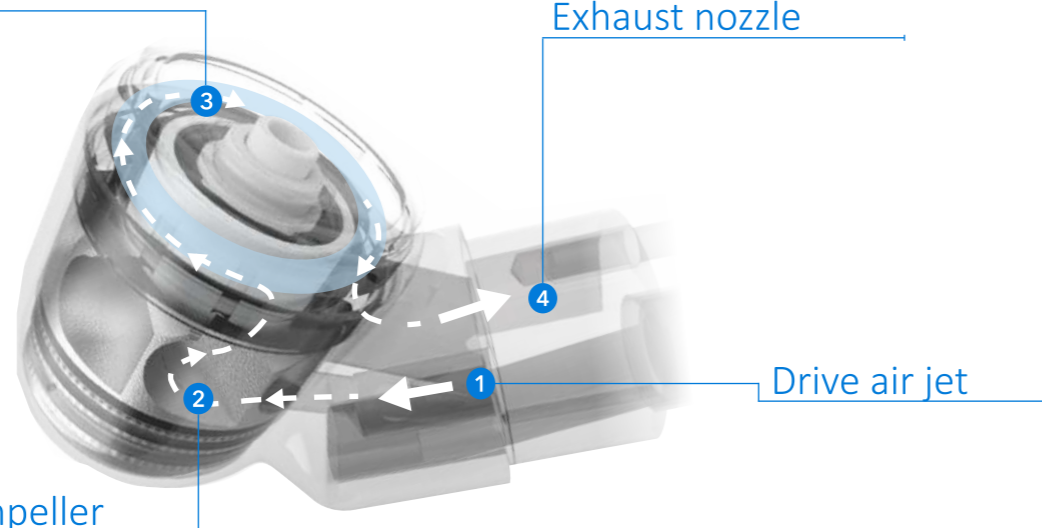
POWERFUL, MINI HEAD AND PERFECT ACCESSIBILITY

Air flow accelerator

Exhaust nozzle

Drive air jet

Asymmetric impeller



The Patented TTBio Booster System (TBS⁺)*

The drive air goes through the nozzle powers the impeller. Due to the patented power booster system, the exhaust air is guided by a special asymmetric impeller and grooved back cap. It will tidy up the turbulence and speed up the exhaust airflow. It will upgrade the torque significantly even under heavy loaded operation.

MODEL

EVO 450 M4	M4: 08010265	Midwest 4 hole	
EVO 450 QD	QD: 08010270	TTBio EZclick-QD for NSK® QD-J®	
EVO 450 N / NL	N: 08010267 NL: 08010266	TTBio EZclick-N for NSK® Mach®	
EVO 450 K / KL	K: 08010289 KL: 08010288	TTBio EZclick-K for KaVo® MULTiflex®	

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Accessibility & Small Head

45° Head Angle with Smallest Head Size provides maximum access to the molar area.

Hygienic Coating

Smooth surface with special multi-layers coating which provides better infection control as well as long-lasting durability and more comfortable to hold.

Durable and Lightweight

High strength stainless steel material and cutting-edge production technology for long-lasting durability and reduces the fatigue on a dentist's hand.

Cutting Power

Up to 23 Watts of cutting power, enhanced by the patented TBS and HTC system.

3 Water Jet

Triple water jet provides supreme cooling and visibility during treatment.

Omni-Directional Lighting System

The fiber optic light provides 25,000 lux brightness to the operating environment.

HTC Chuck System

The state-of-the-art high tension chuck system is made by special alloy with cutting-edge manufacturing technology.

Omni-directional LED or Xenon Lighting System
With 25,000 LUX, light is delivered to wherever needed. Built-in Glass Rod ensures high level of lighting performance after repeatedly sterilized.



Powerful
Mini Head
Long-term Durability

SUPER TIGER GRIP

New 3D ergonomic handle (18°) with spiral anti-slip grip design provides a comfortable feeling during the treatment.

TITANIUM COATING

Titanium coating reduces light reflection and resists surface marks.
(Anti-corrosion coating)

Tiger

500⁺ SERIES

Elegant

- OPTIMUM VISIBILITY AND COMFORT
- EXCELLENT OPERATIONAL EFFICIENCY
- LONG-TERM DURABILITY

Tiger 500⁺

POWERFUL, MINI HEAD AND LONG-TERM DURABILITY

COMFORT



SUPER TIGER GRIP

New 3D ergonomic handle (18°) with spiral anti-slip grip design provides a comfortable feeling during the treatment.

TITANIUM COATING

Titanium coating reduces light reflection and resists surface marks. (Anti-corro-

PERFORMANCE

MODEL

TIGER 500 T / M⁺
TIGER 500 TL / ML⁺

T : 08010205
M : 08010207
TL : 08010204
ML : 08010206

TTBio EZclick



TIGER 500K T / M⁺
TIGER 500K TL / ML⁺

T : 08010209
M : 08010211
TL : 08010208
ML : 08010210

TTBio EZclick-K
for KaVo® MULTiflex®



TIGER 500N T / M⁺
TIGER 500N TL / ML⁺

T : 08010213
M : 08010215
TL : 08010212
ML : 08010214

TTBio EZclick-N
for NSK® Mach®

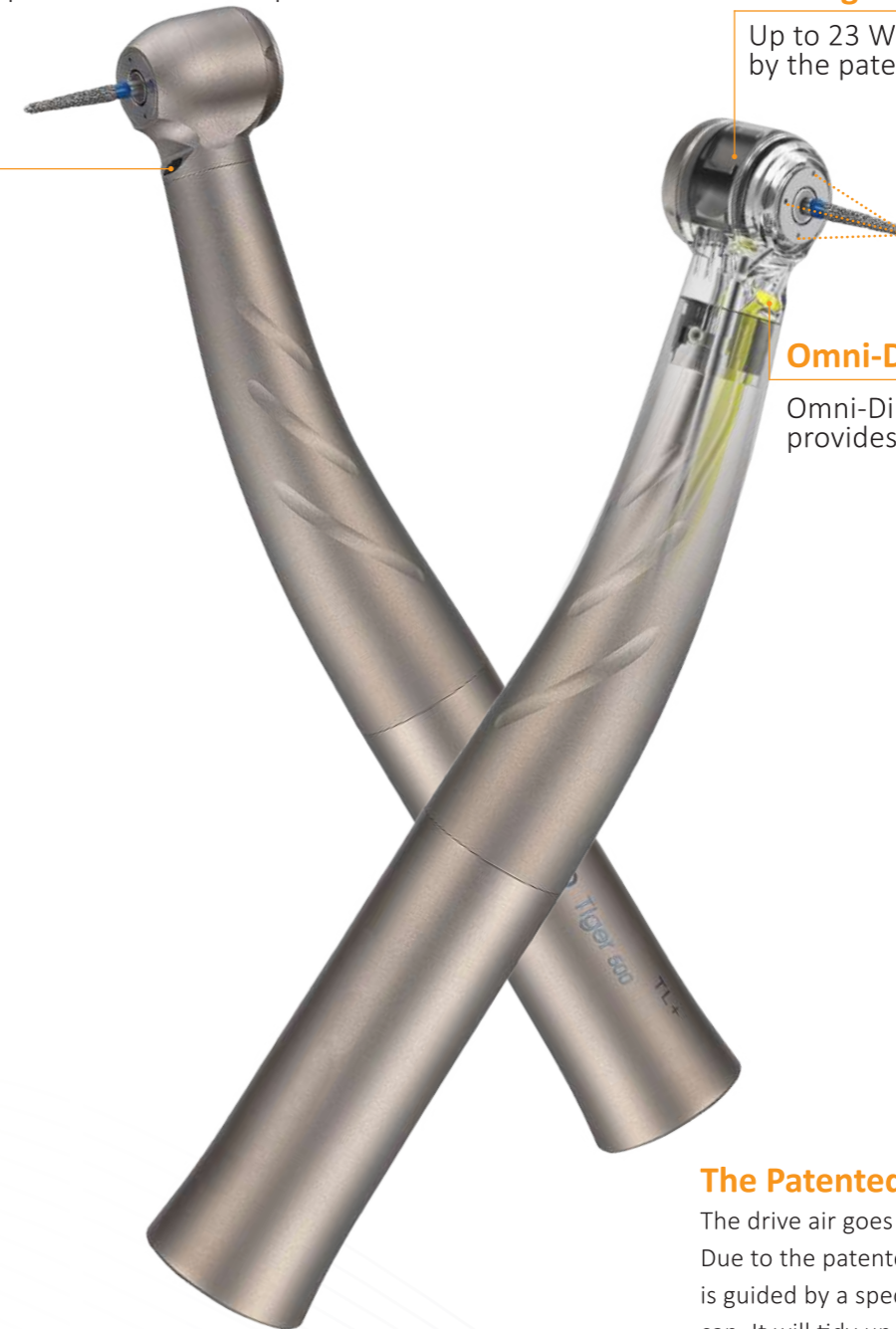


Omni-directional LED or Xenon Lighting System
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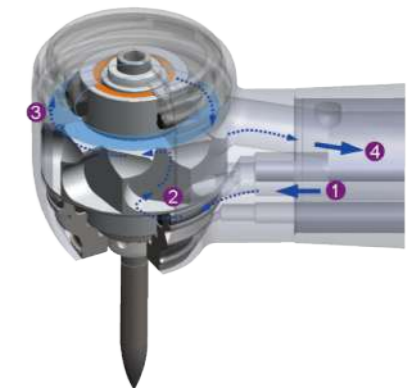


Cutting Power

Up to 23 Watts of cutting power, enhanced by the patented TBS and HTC system.

Omni-Directional Water Spray System

Omni-Directional multiple spray system provides the excellent cooling efficiency.



The Patented TTBio Booster System (TBS*)

The drive air goes through the nozzle powers the impeller. Due to the patented power booster system, the exhaust air is guided by a special asymmetric impeller and grooved back cap. It will tidy up the turbulence and speed up the exhaust airflow. It will upgrade the torque significantly even under heavy loaded operation.

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VISIBILITY

C L A S S I C HIGH / LOW SPEED HANDPIECE

C L A S S I C

Quiet
Comfort
Powerful
Lightweight

CUTTING POWER

Up to 25w of power (for Fix Connection type), enhanced by the patented TBS and HTC system.

PRESS-N-GO

Quick release chucking system with superior retention force.

Tiger

101 / 300 SERIES

Classic

- EXCELLENT PRICE/PERFORMANCE RATIO
- POWERFUL TORQUE
- USER-FRIENDLY DESIGN

Tiger 101 / 300

POWERFUL, QUIET, LIGHTWEIGHT AND COMFORT

Cutting Power

Up to 25w of power (for Fix Connection type), enhanced by the patented TBS and HTC system.



Press-n-Go

Quick release chucking system with superior retention force.

Triple Spray

Revolutionary multi-spray system produces finest mist and raises cooling efficiency by 30%.

Ergonomic & Hygienic

Comfortable to hold and prevent the debris from storing on the surface of handpiece.

Impact-resistant Coating

Enhance hard chrome-plated surface protects handpiece from impact, scratch and wear-out due to sterilization.

Complete Product Ranges

Compatible with all existing connection systems, simply connect and start.

MODEL

TIGER 300N 3T/3M

FLEXIBLE CONNECTION

T : 08010268
M : 08010269

TTBio EZclick-QD for NSK® QD-J®



TIGER 101 3T4/3M4

FIXED CONNECTION

T : 08010249
M : 08010250

Midwest 4 hole



TIGER 101 3T2/3M2

FIXED CONNECTION

T : 08010192
M : 08010193

Borden 2 hole



Omni-directional LED or Xenon Lighting System
With 25,000 LUX, light is delivered to wherever needed. Built-in Glass Rod ensures high level of lighting performance after repeatedly sterilized.

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25WATTS

Omni-Directional Water Spray System

Omni-Directional multiple spray system provides the excellent cooling efficiency.

HTC Chuck System

The state-of-the-art high tension chuck system is made by special alloy with cutting-edge manufacturing technology.

Press-n-Go

Quick release chucking system with superior retention force.

Lightweight and Ergonomic Design

Decreases the stress on a dentist's hand and wrist.

Easy Grip Coating

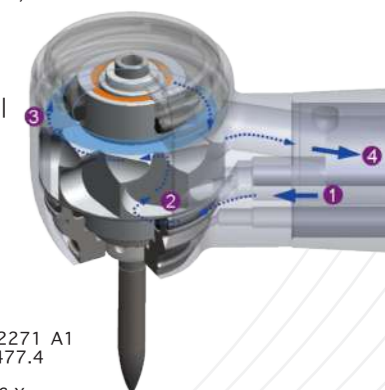
Smooth surface with special multi-layers coating which provide better infection control as well as long-lasting durability and more comfortable to hold.

The Patented TTBio Booster System (TBS*)

The drive air goes through the nozzle powers the impeller. Due to the patented power booster system, the exhaust air is guided by a special asymmetric impeller and grooved back cap. It will tidy up the turbulence and speed up the exhaust airflow. It will upgrade the torque significantly even under heavy loaded operation.

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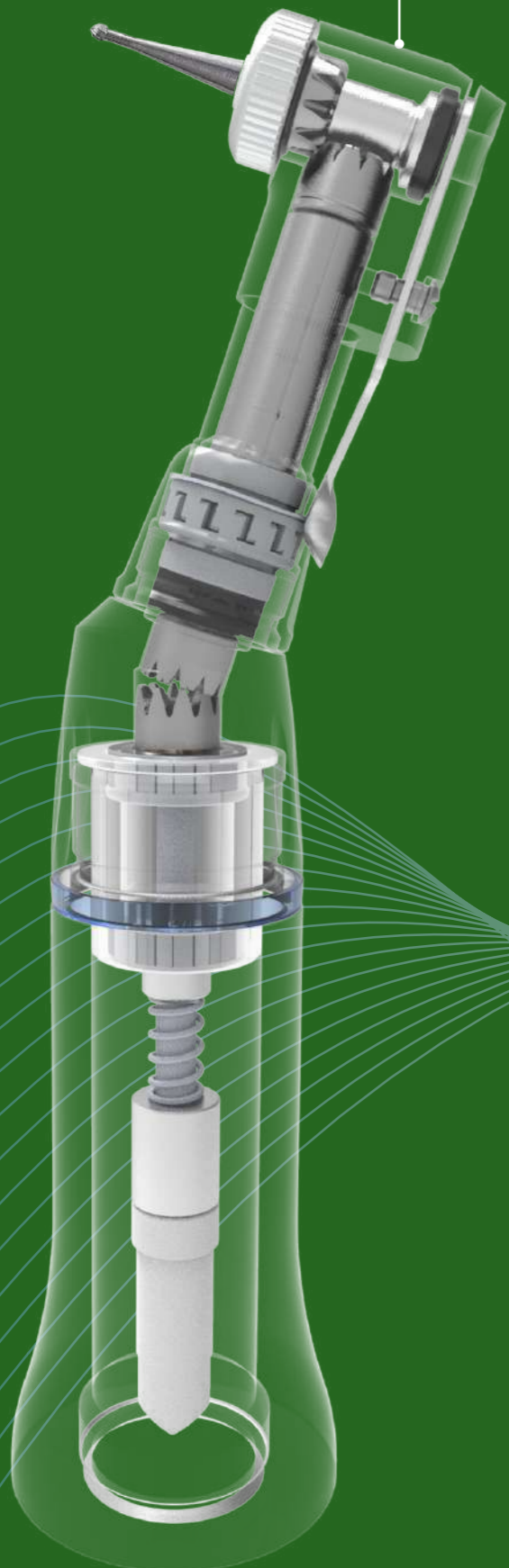


LIGHTWEIGHT

Quiet
Durability
Small Head
Lightweight

VIGOR C36

Contra-angle Handpiece



VIGOR S15

Straight Handpiece



Vigor

C36 / S15
A65 / A68
A65Z

Classic

- GERMAN MADE CERAMIC BALL BEARING
- HIGH STRENGTH GEAR TRANSMISSION
- HIGH OUT-PUT ALLOY CYLINDER AND COMPOSITE PISTON

Vigor SERIES

DURABILITY, SMALL HEAD, AND QUIET

VIGOR A65 / A68 AIR MOTOR



- External coolant delivery (A65)



- Internal coolant delivery (A68)

Midwest 4 hole connection
22,000 allowable max. speed (rpm)

VIGOR A65 Z AIR MOTOR KIT



(Vigor A65 + Vigor S15 + Vigor C36) Air Motor Kit

High power, long life
Smoothly control forward and reverse operating power
Quiet operation, light weight and easy to use



External Type Single Spray
Ample water mists with accurate spray angle.



Durability
Ergonomically Chuck Design.

- 1:1 direct drive transmission ratio
- 25,000 allowable max. speed (rpm)
- Small head design

CA burr spec.

External coolant delivery

Latch chuck type

HP burr spec.

Rotary chuck system for changing the bur easily and quickly

- 1:1 direct drive transmission ratio
- 40,000 allowable max. speed (rpm)
- External coolant delivery
- Low noise and vibration extend the service life of bearing

MODEL

VIGOR C36	C36- 08010143	Contra-angle Handpiece
VIGOR S15	S15- 08010071	Straight Handpiece
VIGOR A65 / A68	A65- 08010072 A68- 08010098	Air Motor
VIGOR A65 Z	A65 Z- 08010185	Air Motor Kit

*Vigor A67 Air Motor without coolant line is available.
E-mail/call us for more product information.

SMALL EQUIPMENT THOR 700⁺ & TTCARE 100⁺

Thor 700+ •

MICROMOTOR

- STRONG AND CONSTANT POWER
E-MOTOR CHOICES FOR PNEUMATIC AND ELECTRIC DENTAL CHAIRS



MODEL

THOR 700+ EJ0004

Dimensions	W113 X D170 X H35mm
Motor type	Brushless
Sterilization (up to 135°C)	Motor only
Motor Length / Motor Weight	L63 mm / 69g
Light	LED / 25,000 Lux
Speed (rpm)	1,000~40,000
Max Torque (N-cm)	3.0
Cooling System	Water On / Off; Internal Coolant Delivery
Memory mode	3
Preset transmission	1:1 ; 1:5

*Built-in type is available, email/call us for more product information.

UNIQUE FEATURES

- Autoclavable up to max 135°C, prevent cross-infection (Micromotor only)
- Brushless motor design, no carbon dust or wear, ensure longer life cycle
- One of the shortest and lightest torque-controlled dental motors in the world, motor weight only 69g
- Stable torque output, rotation speed up to 200,000rpm with 1:5 contra-angle handpiece
- Unique water on/off selection, allow dentist to flexibly choose cooling system for different dental treatment
- User-friendly and intuitive interface with real-time rotation speed display screen, simplify controlling procedure
- LED lights provide dentist more realistic illumination

PERSONAL SETTING

- Preset two common transmissions
- Three memory function

ELECTRIC HANDPIECE ATTACHMENT

(OPTIONAL)



- Maxima ELITE 1:1
1:1 direct drive transmission ratio



- Maxima ELITE 1:5
Speed increaser 1:5



Omni-directional LED Lighting System
With 25,000 LUX, light is delivered to wherever needed. Built-in Glass Rod ensures high level of lighting performance after repeatedly sterilized.

● CARE BETTER, SMILE BRIGHTER
IMPROVE WORKING LIFE OF YOUR HANDPIECE THROUGH EFFICIENT CLEANING AND LUBRI-
CATION IN A PLEASD WAY.

TTcare 100+

LUBRICATION UNIT



MODEL

TTcare 100+ 08090012

Dimensions		W295 X D295 X H385mm
Weight		9kg/ 19.85lbs
Electrical ratings		100-240V, 50-60Hz, 60W
Protection class		I
Ambient temperature		5-40°C (41-104°F)
Sound level		<60 (65) dB (A)
Relative humidity		max. 85%
Compressed air		4-6 bar (58-87 ps)
Air consumption		40 NL/min
Compressed air quality	Residual oil content	max. 0.1 mg/m ³
	Residual dust	max. 1 µm ; max. 1 mg/m ³
	Residual water	max. 0.1 g/m ³ at -40°C (-40°F)

EASY TO USE

TTcare 100+ is designed to response to Dentists’ requests. Its user-friendly interface simplifies the process of cleaning handpieces. It takes 15 sec only to lubricate and clean each handpiece, and less than one minute for three at a time. It’s fast and time-saving to provide premium care for handpieces.

MINOR DETAILS MAKE BIG DIFFERENCES

In order to improve customer’s using experience, TTcare 100+ includes the exceptional details: LCD screen, simply disassembled front door, exclusive chuck care system, easy spray can insertion and replacement, air driven motor design to highlight its functionality and features.

FEATURES

- Automatically cleans and maintains up to three handpieces
- Unique chuck care system
- Optional lubricant coverage throughout the handpiece
- Compressed-air connection: excess lubricant purging with special suction design
- Automated reproducible quality of care
- Easy spray can insertion and replacement
- Can coupling with unique safety valve
- Oil collecting drawer for excess lubricant
- LCD screen display
- Is capable to run without compressed air
- Maintain 1 handpiece in only 15 secs
- Unique drive motor design ensures the excellent clean process
- Quickly disassemble the front door and plain surface for easy clean process

- CARE BETTER, SMILE BRIGHTER
IMPROVE WORKING LIFE OF YOUR HANDPIECE THROUGH EFFICIENT
CLEANING AND LUBRICATION IN A PLEASSED WAY.

EXCLUSIVE CHUCK CARE SYSTEM

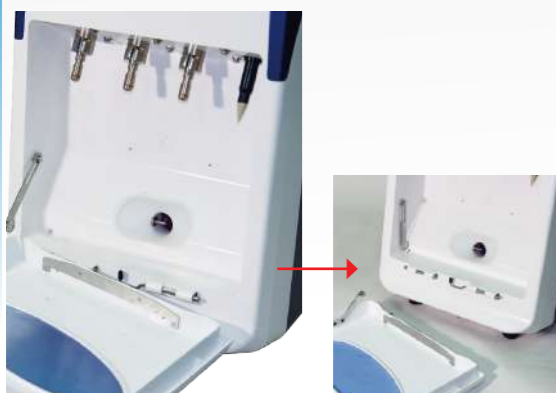
- STEP 1** Place chuck into chuck care adapter.
- STEP 2** Press program button to start the processing.
- STEP 3** Clean and care handpiece's chuck.



Simply Disassemble

With thoughtful idea, it's effortless to keep TTcare 100+ in a good stage.

Simply disassemble the front door for further cleaning.



Amazed by fancy design

Compressed air purge excess lubricant into suction hole and oil collecting drawer, that makes inside of TTcare 100+ to stay clean.



TTlube Spray 08090011

Easy spray can insertion and replacement.



DONE IN A SIMPLE WAY

- STEP 1** Flip down the door and snap one, two or three handpieces onto the adapters.
- STEP 2** Close the door.
- STEP 3** By pressing the corresponding buttons to start the automated, internal cleaning and care of up to three handpieces.
- STEP 4** Finish and remove the handpieces.



FEATURES OF ACTIVE-LUB SYSTEM

- Optimizing the overall lubrication: The Active-lub system evenly distributes the lubricants to the inside of all components to lubricate contra-angle handpieces.
- Reliability and flexibility: Driving motor uses the belt to drive the operation smoothly, which brings out the features of quiet, stable, and vibration-free. The driven ports could be optionally increased or decreased based on the need.





















(For contra-angle only)

HANDPIECE ADAPTOR AVAILABILITY

Image	Description	Product Code	Image	Description	Product Code
	Adapter KaVo	OPL0345		Adapter Star	OPL0413
	Adapter W&H	OPL0346		Adapter Midwest	OPL0551
	Adapter NSK	OPL0344		Adapter Midwest CA	OPL0583
	Adapter Bien-Air	OPL0348		Adapter Borden	OPL0110
	Adapter SIRONA	OPL0347		Blister	OPL0350
	Adapter E-type	OPL0349		Absorption pads(set)	OPL0351



















PARTS & ACCESSORIES

SPARE PARTS

Product			Tiger 101		Tiger 300N		Tiger 500+				Tiger 500K+				Tiger 500N+			
Name	Code	Image	3T4	3M4	3T	3M	T	M	TL	ML	T	M	TL	ML	T	M	TL	ML
Spray Clean Needle	OPL0049		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Spray Nozzle	OPL0113										*	*	*	*				
	OPL0112						*	*	*	*								
	OPL0138				*	*									*	*	*	*
Spindle Nozzle	OPL0044		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lube Nozzle Kit	OPL0117										*	*	*	*				
	OPL0123						*	*	*	*								
	OPL0141														*	*	*	*
Head Cap	OPL0668		*		*													
	OPL0667			*		*												
	OPL0536						*		*		*		*		*		*	
	OPL0537							*		*		*		*		*		*
	OPL0339																	
	OPL0340																	
	OPL0892																	
Spray Kit	OPL0127		*		*													
	OPL0128			*		*												
	OPL0341						*		*		*		*		*		*	
	OPL0342							*		*		*		*		*		*
	OPL0893																	

EVO 500				EVO 500K				EVO 500N				EVO 500W				EVO 500Y				EVO 450					
T	M	TL	ML	T	M	TL	ML	T	M	TL	ML	T	M	TL	ML	T	M	TL	ML	M4	QD	N	NL	K	KL
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	*		*		*		*		*		*		*		*		*		*						
																				*	*	*	*	*	*

SPARE PARTS

Product			Tiger 101		Tiger 300N		Tiger 500+				Tiger 500K+				Tiger 500N+			
Name	Code	Image	3T4	3M4	3T	3M	T	M	TL	ML	T	M	TL	ML	T	M	TL	ML
Rotor Kit	OPL0010		*		*													
	OPL0033			*		*												
	OPL0324																	
	OPL0325																	
	OPL0324PL						*		*		*		*		*		*	
	OPL0325PL							*		*		*		*		*		*
Rotor O-ring Kit	OPL0104		*	*	*	*												
	OPL0372						*	*	*	*	*	*	*	*				
	OPL0432														*	*	*	*
Wave Washer Kit	OPL0111		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Sealing O-ring Kit	OPL0129						*	*	*	*	*	*	*	*	*	*	*	*
Coupling O-ring Kit	OPL0124						*	*	*	*								
	OPL0125										*	*	*	*				
	OPL0142														*	*	*	*
	OPL0851																	
Gasket Kit	OPL0126		*	*														
Head Cap Wrench	OPL0059		*		*		*		*		*		*		*		*	
	OPL0058			*		*		*		*		*		*		*		*

EVO 500				EVO 500K				EVO 500N				EVO 500W				EVO 500Y				EVO 450					
T	M	TL	ML	T	M	TL	ML	T	M	TL	ML	T	M	TL	ML	T	M	TL	ML	M4	QD	N	NL	K	KL
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COUPLING/TOOLS/GEAR SET

PARTS & ACCESSORIES

SERVICE ROTOR

PARTS & ACCESSORIES

COUPLING

Type	Image	Product Code	Spare Parts				Tooling	
			Coupling O-ring Kit	Gasket Kit	Xenon Bulb	LED Bulb	Coupling Wrench	
Ezclick		OPL0014	OPL0124	OPL0126	-	-	OPL0139	
Ezclick-L		OPL0013			OPL0091			
Ezclick-LED		OPL0121			-	OPL0118		
Ezclick-K		OPL0016	OPL0125			-		
Ezclick-KL		OPL0015	OPL0091		-			OPL0118
Ezclick-KLED		OPL0122	-			OPL0118		
Ezclick-N		OPL0135			-			-
Ezclick-NL		OPL0136	OPL0143					
Ezclick-NLED		OPL0137	-		OPL0119			
Ezclick-QD			OPL0651		OPL0851			-

INSPECTION TOOLS



MULTI GAUGE (2/3-HOLE)
08010029






MULTI GAUGE (4-HOLE)
08010030



BURR GAUGE
08010031
































GEAR SET

Type	Drive Assembly	Head Gear	Intermediate Shaft	Produt Code
NSK® X95®				SC0001































* KaVo ® 25LP® gear set is available, e-mall/call us for more product information.































- Eccentricity < 0.01mm
- High precision
- European made bearings
- Cage material resistant to high temperature & pressure sterilization

SERVICE ROTOR

Type	Image	Rotor Product Code	Impeller Set Product Code	Spindle Product Code
KaVo® Super-Torque® 640		GB0020	HB0026	IB0005
KaVo® Bella-Torque® 642		GB0012	HB0014	IB0003
KaVo® Super-Torque® 655B		GB0019	HB0034	IB0011
KaVo® Super-Torque® 650		GB0018	HB0019	IB0002
KaVo® Super-Torque® S459C/S459 L		GC0084	HC0069	IB0049
KaVo® Super-Torque® 647B		GC0033	HC0021	IB0021
KaVo® SMARTtorque® S619L		GB0017	HB0018	IB0011
KaVo® SMARTtorque® MINI S605C		GC0034	HC0022	IB0037
KaVo® SMARTtorque® 625CD		GC0035	HC0023	IB0034
KaVo® SMARTtorque® 659B		GC0036	HC0024	IB0034
KaVo® POWERtorque® 636/646		GB0013	HB0015	IB0026
KaVo® EXPERTtorque® E677L		GB0022	HB0002	IB0029
KaVo® EXPERTtorque® E680L		GB0023	HB0020	IB0028
KaVo® GENTLEmini® 5000B		GB0015	HB0002	IB0029
KaVo® GENTLEforce® 7000B		GB0014	HB0016	IB0012
KaVo® GENTLEforce® 6000B		GC0029	HC0019	IB0024
KaVo® GENTLEsilence® 8000B		GB0016	HB0017	IB0013
KaVo® GENTLEsilence® 6500B		GC0030	HC0020	IB0022
KaVo® EXPERTtorque® E675L		GC0028	HC0018	IB0037
KaVo® EXPERTtorque® E679L		GC0027	HC0017	IC0008
KaVo® MASTERtorque® M9000L		GC0031	HB0032	IB0013
KaVo® MASTERtorque® M8700L		GC0071	HC0046	IB0037
KaVo® Mira LUX® 635B		GC0026	HB0035	IB0019
KaVo® COMPANION® 634 P4		GC0064	HC0016	IB0020
Sirona® T2 Control®		GB0033	HB0024	IB0027
Sirona® T2 Racer®		GB0034	HB0003	IB0027
Sirona® T3 Racer®		GB0021	HB0003	IB0027
Sirona® SIROBoost®		GB0035	HB0025	IB0027
Sirona® T1 MINI®		GC0061	HC0055	IB0008
Sirona® T1 CONTROL®		GC0065	HC0015	IB0016
Sirona® T2 MINI®		GC0062	HC0053	IB0008

SERVICE ROTOR

Type	Image	Rotor Product Code	Impeller Set Product Code	Spindle Product Code
Sirona® T3 MINI®		GC0025	HC0053	IB0008
W&H® TC-95®		GB0005	HB0007	IB0006
W&H® TA-96®		GB0001	HB0027	IB0004
W&H® TA97 CLED®		GB0003	HB0005	IB0009
W&H® TA-98®		GB0002	HB0004	IB0005
W&H® TA98 CLED®		GB0004	HB0006	IB0010
W&H® 796/896®		GB0006	HB0008	IB0004
W&H® 798/898®		GB0007	HB0009	IB0006
W&H® TG98L®		-	HB0028	-
W&H® TG97L®		-	HB0029	-
W&H® Alegria® TE-95		GC0015	HC0004	IB0016
W&H® Alegria® TE-96		GC0019	HC0008	IB0034
W&H® RC-90 BC/RM		GC0016	HC0005	IC0004
W&H® RC-95 BC/RM		GC0017	HC0006	IC0005
W&H® 200 / 300 / 600 SERIES standard		GC0018	HC0007	IB0006
W&H® 100/700/800 Mini		GC0020	HC0009	IB0004
W&H® 100/700/800 standard		GC0021	HC0010	IB0006
W&H® Alegria® TE-97		GC0069	HB0036	-
W&H® Alegria® TE-98		GC0070	HB0037	-
W&H® TK-100L/TK-100LM		GC0075	HB0041	IB0040
W&H® TK-94 L/TK-94LM		GC0076	HC0061	IB0041
W&H® TK-97 L/TK-97LM		GC0077	HC0062	IB0042
Bien Air® Prestige® S32		GB0009	HB0011	IB0001
Bien Air® Bora® S36		GB0008	HB0010	IB0005
Bien Air® Croma® S		GB0010	HB0012	IB0002
Bien Air® Croma® M		GB0011	HB0013	IB0002
Bien Air® Black Pearl®		GC0022	HC0011	
Bien Air® TD® 783/TDS® 890		GC0023	HC0012	IB0035
NSK® Ti-Max® X500		GB0027	HB0021	IB0007
NSK® Ti-Max® X600		GB0028	HB0022	IB0008
NSK® Ti-Max® X700		GB0029	HB0023	IB0008

Type	Image	Rotor Product Code	Impeller Set Product Code	Spindle Product Code
NSK® CHQD® S		GB0025	-	IB0015
NSK® CHQD® M		GB0024	-	IB0014
NSK® VIP II®		GB0030	-	IB0016
Wrench Type NSK® Pana AirΣ® standard		GB0031	-	IB0030
Push Type NSK® Pana AirΣ® standard		GB0032	-	IB0031
NSK® Presto Aqua®		GB0036	-	IB0033
NSK® Presto® PR-HP		GB0037	-	IB0033
NSK® Pana Air® 2000 S		GC0056	HC0049	IC0015
NSK® S-Max® M500 / M500L		GC0068	-	-
NSK® S-Max® M600 / M600L		GB0038	-	IB0008
NSK® S-Max® PICO®		GB0026	-	-
NSK® Alpha-Lite® S		GC0052	HC0048	IB0016
NSK® Alpha-Lite® T		GC0053	HC0043	IB0016
NSK® Alpha-Lite® M		GC0054	HC0044	IB0035
NSK® Mach-Lite XT® S		GC0051	HC0041	IB0034
NSK® Mach-Lite XT® M		GC0050	HC0040	IB0008
NSK® Mach-Lite XT® T		GC0055	HC0045	IB0016
NSK® NL-95S®		GC0032	HC0047	IB0016
NSK® Pana-Max® SU		GC0066	HC0057	IB0036
NSK® Pana-Max® TU		GC0067	HC0056	IB0036
NSK® Ti-Max® Z800L		GC0085	HC0071	IB0051
NSK® Ti-Max® Z900L		GC0086	HB0042	IB0050
NSK® Pana-Max2®		GC0098	-	-
Castellini® High Power M®		-	HB0030	-
Castellini® Silent Power®		-	HB0031	-
Castellini® Clean Air® 2000		GC0024	HC0013	IC0017
Castellini® Silent Power® EVO 2		-	HB0043	IB0057
LARES® 557 TURBO+®		GC0037	HC0025	IC0010
LARES® 557 CX®		GC0038	HC0026	IC0011
LARES® 757 CX®		GC0039	HC0027	IC0012
LARES® 757® Multi-Port		GC0040	HC0028	IC0013














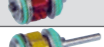
















SERVICE ROTOR

PARTS & ACCESSORIES

SERVICE HEAD CAP

























PARTS & ACCESSORIES

SERVICE ROTOR

Type	Image	Rotor Product Code	Impeller Set Product Code	Spindle Product Code
LARES® 757® Single-Port		GC0041	HC0029	IB0034
Midwest® 300 SE /Tradition®		GC0042	HC0030	IC0014
Midwest® Quiet-air® Lever®		GC0043	HC0031	IB0006
Midwest® Stylus® ATC 990		GC0044	HC0032	IB0022
Midwest® Stylus® MINI 540S/541S standard		GC0045	HC0033	IB0018
Midwest® Stylus® MINI 540E/541E EASYCARE		GC0046	HC0034	IB0018
Midwest® Stylus® 180S/181S standard		GC0047	HC0036	IB0017
Midwest® Tradition® Lever®		GC0010	HC0035	IB0003
Midwest® Tradition®/XGT®		GC0012	HC0037	IB0003
MK Dent® Basic Line® Large		GC0048	HC0038	IB0023
MK Dent® Basic Line® Mini		GC0097	HB0045	IB0058
MK Dent® Prime Line® Large		GC0049	HC0039	IB0021
MK Dent® Prime Line® Mini		GC0092	HB0046	IB0058
Star® 430/Solara® Lubefree		GC0063	HC0050	IB0008
Star® 430/Solara® Lubricated		GC0007	HC0051	IB0008
Star® 430/Advantage®/Vista® Lubricated		GC0089	HC0074	IB0054
Star® 430 Torque® LubeFree		GC0090	HC0075	IB0055
Star® 430 Torque® Lubricated		GC0091	HC0070	IB0056
YOSHIDA® 535B		GC0057	HC0054	IC0017
YOSHIDA® 540B		GC0058	HC0014	IB0035
YOSHIDA® 640B		GC0059	HC0042	IB0035
Palisades Dental® Impact Air 45 ®		GC0074	HC0060	IB0039
Beyes® AirLight M600-S/M800-S®		GC0078	HC0063	IB0043
Beyes® Pacemaker AirLight M600 ®		GC0079	HC0064	IB0044
Beyes® Pacemaker AirLight M700 ®		GC0080	HC0065	IB0045
Siemens® TM1 Mini ®		GC0087	HC0072	IB0052
Siemens® TS1 ®		GC0088	HC0073	IB0053
Dentex® M3-m Mini ®		GC0082	HC0067	IB0047
Dentex® M3-s ®		GC0083	HC0068	IB0048
Dabi Atlante® MS 350 ®		GC0081	HC0066	IB0046

All impeller set refers to a spindle with the impeller (excl. bearings)

SERVICE HEAD CAP

Type	Image	Head Cap Product Code
KaVo® 636CP/646B/647/649/650		KB0001
KaVo® 6500B/6500BR/8000B/E677L		KB0002
KaVo® 4500BR/5000/5000B/5000BY		KB0003
KaVo® 635B/637B		KB0004
KaVo® SMARTtorque® 630 B		KC0013
KaVo® SMARTtorque® 640		KC0003
KaVo® EXPERTtorque® Mini LUX E675L/ E677L/SMARTtorque Mini S605C/LUXS615L		KC0048
KaVo® SMARTtorque® S609C/LUX S619L/SURGtorque® S459C/S459L		KC0049
KaVo® 632B/634P4/642B		KC0050
Lares® 557		KC0014
Lares® 757		KC0015
Midwest® 300 SE/Tradition®		KB0005
Midwest® Quiet-air® Lever		KC0016
Midwest® Quiet-air ®Manual Chuck		KC0017
Midwest® Stylus®/Stylus Lite®		KC0018
Midwest® Tradition®/XGT®		KB0006
Midwest® Tradition® Lever®		KC0019
MK Dent® Basic Line® Large		KC0020
MK Dent® Basic Line® Mini		KC0021
MK Dent® Prime Line® Large		KC0022
MK Dent® Prime Line® Mini		KC0023
Japanese Standard / Mini Manual		KC0025
Japanese Standard / Mini		KC0007
Star® 430/Vista®/Solara®/Star-Flex® Lubricated		KB0007

HEAD CAP WRENCH

PARTS & ACCESSORIES

HEAD CAP WRENCH

Type	Image	Head Cap Wrench Product Code
Bien Air® Black Pearl® Inner-Outer / Ondine Inner		JC0012
Bien Air® Bora® S36 Inner / Outer		JC0013
Bien Air® Prestige® Inner-Outer / Ondine Outer		JC0014
KaVo® 4500 BR / 5000 / 5000 B / 5000 BY		JC0008
KaVo® 625/630/ 632/640/642/643/645		JC0004
KaVo® Cap Wrench		JC0001
Midwest® Quiet-air® Heavy Duty		JC0018
MK Dent®Basic Line®/Prime Line®		JC0015
NSK® S-Max® M600/Pico®		JC0019
NSK® Ti-Max® X500 / X700®		JC0003
NSK® Ti-Max® X600		JC0002
Sirona® T1 Control® / T1 Mini®		JC0020
Universal		JC0016
W&H® TA-97®/TA-98LED®		JC0010
W&H® Synea®/Trend®		JC0011
W&H® TK-94 / TK-100		JC0028

KaVo® Super-Torque® Bella-Torque® POWERtorque® Mira LUX® COMPANION® OPTitorque® EXPERTorque® MASTERtorque® GENTLEforce® GENTLEsilence® and ZSLP/LPA/LRP® are the trade marks of Kaltenbach & Voigt GmbH Co., Germany.
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W&H® Toplight® Synea® Trend® Alegria® RC-90® RC-95® TG-97L® TG-98L® TA-95® TA-96® TA-97 CLED® TA98 CLED® TC-95® 798/898® 796/896® TK-100L/LM® TK-97L/LM® TK-94L/LM® TE-95® TE-96® TE-97® TE-98® are the trade marks of W&H Dentalwerk Bürmoos GmbH, Austria.
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NSK® S-Max® Pana Max® Presto AQUA® Presto Pax-Su® Pax-TU® Alpha-Lite® Pana Air® Ti-Max® Pico® Mach-Lite XT® VIP II® NL-955® CHQD® M500L® M600L® Z800L® Z900L® X95® and Pana Max2® are the trade marks of NAKANISHI INC., Japan.
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Midwest® 300 SE® Quiet-Air® Stylus® and Tradition® are the trade marks of Midwest Dental Equipment & Supply, USA
StarDental® Star® Solara® Advantage® Concentrix FB® and Vista® are the trade marks of DentalEZ, USA
YOSHIDA® 535B® 540B® and 640B® are the trade marks of THE YOSHIDA DENTAL MFG. CO.,LTD., Japan
MK Dent® Basic Line® and Prime Line® are the trade marks of MK-dent GmbH, Germany
Palisades Dental Impact Air 45® are the trade marks of Palisades Dental, LLC,USA
Beyes® Pacemaker® Maxso® and AirLight® are the trade marks of Beyes Dental Canada Inc., Canada
Siemens® TM1 Mini® and TS1® are the trade marks of Siemens AG, Germany
Dentex® M3-m Mini® and M3-s® are the trade marks of Dentex Sp. z o.o, Poland
Dabi Atlante® and MS350® are trade marks of Dabi Atlante, Brazil

High Speed Turbine, Contra Angle and straight handpiece cleaning and sterilisation guide

Preparation

Make sure you are wearing adequate protective clothing prior to cleaning.

Remove the hand piece from the coupling (or motor if a contra angle) and remove the bur or instrument with dedicated pliers/ tweezers whilst wearing gloves.

Remove organic material with a paper towel or tissue.

Manual Cleaning

Clean the external body of the instrument under cool running water. We recommend you use a dedicated brush. The water must not exceed 38°C and be of at least drinking quality.

Never clean in an ultrasonic bath!

Automated processing using autoclave cleans, lubrication and steriliser is preferable over manual cleaning. If you have a thermal washer disinfector, then please refer to local guidelines on how to maintain dental handpiece.

Disinfecting

Wipe the body of the instrument with a disinfectant wipe.

Do not submerge in a disinfectant solution.

Oiling

Shake the handpiece maintenance spray can vigorously.

Connect the appropriate nozzle to the oil canister. Holding the can upright, insert the nozzle into the base of the handpiece. Spray for 1-2 seconds into a tissue (or until the excess oil being blown into the tissue runs clean).

Wipe off any excess surface oil with a dry tissue.

In order preserve the function of the chuck system, the collet chuck should be oiled regularly by spraying oil directly into the head.

Sterilising

Put the handpieces into the autoclave. Do not use pouches unless you are using a vacuum autoclave. Select the correct cycle. Do not us a drying cycle in a nonvacuum autoclave.

CAUTION! Do not exceed 140°C (284 °F) even during the drying phase!
Do not subject quick couplings to sterilisation!

Storing

As soon as the sterilisation cycle has finished, remove the handpieces from the autoclave and store in a dust free sterile container or bag.





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