



SAESHIN

DENTAL

CONTENTS

6	PRODUCT LINE-UP
10	SUS10
14	SUS20
16	PIEZO TIPS
20	SIP20
22	SIP10
24	X-CUBE
26	X-CUBE i
28	HAND TORQUE DRIVER
32	ENDO
34	E-CUBE
38	AIR-DRIVEN HIGH SPEED
39	AIR-DRIVEN MOTOR
40	1:1 LOW SPEED ANGLE
41	AIR MOTOR KIT
42	SIMPLIS
44	MAINTENANCE





SAESHIN has been a major player
in the field of high-precision dental device
and striving to be number one in the field
of high-precision medical device.

SAESHIN has been manufacturing high-precision dental handpieces since 1976. Our endless pursuit for customer satisfaction, world's leading experience and R&D had led to successes of endodontic and implant engines such as E-CUBE, X-CUBE and TRAUS. All our products have obtained FDA, CE, KFDA and CFDA and we are exporting to over 120 countries. SAESHIN is consistently improving technology and premium quality to become one of the top companies in the global dental device market.





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1976. 11 Company established
1982. 12 Permitted to manufacture
medical instruments and
dental electric engines
1987. 06 Permitted to manufacture
dental electric engines and
engine handpieces
1987. 07 Registered trading business
1997. 04 Obtained Q(quality) mark
1997. 07 Moved to the factory enlarged
1998. 05 Admitted quality manage-
ment of medical instrum-
ents by Korean Food & Drug
Administration
1998. 08 Obtained CE/ISO9002/EN46002
/ISO13485 Certification
2000. 09 Appointed to the Export
Promising Small & Medium
Enterprise
2000. 09 Appointed to the Venture
Company

2000. 11 Awarded export prize and
commendation from the
Minister of Commerce, Ind-
ustry and Energy
2001. 10 Enlarged R&D building
2002. 01 Released brushless motor
2002. 04 Participated in the project of
technology innovation by
the Small & Medium Busi-
ness Administration
2002. 07 Appointed as the Export
Promising Small & Medium
Enterprise (Daegu & Gyeon-
gsanbuk-Do Export Assis-
tance Center)
2002. 11 Appointed to Leading Small
& Medium Enterprise by
the Mayor of Daegu
2003. 11 Awarded prize of Excellent
Small & Medium Enterprise
by Mayor of Daegu

2004. 11 Awarded export prize
2005. 04 Developed Strong 1:1 contra
angle series
2005. 11 Awarded export prize and
commendation from Prime
Minister
2006. 11 Developed reduction geared
handpiece for implant surgery
2006. 12 Assigned for the company
of Innovation business by
Small & Medium Business
Administration
2007. 10 Appointed to the Native
Company in DAEGU Metro-
politan City (over 30 years
history and 30 employees)
2007. 12 Obtained certification of
Korean Good Manufacturing
Practice (KGMP) issued by
Korea Food & Drug
Administration & Korea Testing
Laboratory

2008. 01 Appointed to the Expert
Company by the Ministry
of Commerce, Industry and
Energy
2008. 05 Appointed to the Star Com-
pany in DAEGU Metropoli-
tan City
2008. 08 Changed the name to
SAESHIN PRECISION CO.,
LTD. for limited company
2009. 02 Obtained commendation
for Product Development
& Technology Innovation by
Daegu mayor
2009. 08 Certified as export company
by Daegu Chamber of Com-
merce & Industry
2009. 10 Obtained FDA for Implant
Engine.
2009. 12 Awarded Export prize

2010. 06 Appointed to the patent &
brand star company by Daegu
Chamber of Commerce &
Industry
2010. 09 Awarded to the Certified
Export Company by Daegu
Chamber of Commerce &
Industry
2010. 12 Appointed to the world-class
company by Small & Medium
Business Corporation
2011. 10 Receive Excellence award of
International Public Design
Awards
2012. 09 Moved to the new factory
2012. 10 Seoul national university MOU
conclusion
2013.10 Appointed Global excellent
company by the Minister of
Commerce, Industry and Energy

2013. 10 Awarded Grand prize of indust-
rial technology for this month.
2013. 12 New Excellent Technology(NET)
Certification
2014. 03 48th Exemplary taxpayer Award
2014. 12 Korean World Class Product
Award 2014
2015. 06 High-tech company Recognition
Awards - Grand prize
2016. 07 Daegu star company selection
2017. 10 Employee-friendly company
2017. 11 Small and Medium Business
Awards - Grand prize
2018. 04 Appointed Global Small Giants
by Ministry of SMEs and Startups
2018. 07 Appointed Advanced Technology
Center by Ministry of Trade,
Industry and Energy
2019. 07 Appointed Inno-Biz by Ministry
of SMEs and Startups

*We heartily appreciate
Your constant interest and support*

PRODUCTS LINE-UP



IMPLANT



AIR-DRIVEN HIGH SPEED



PIEZO



ENDODONTICS

Surgical Combo Engine



Traus SUS10

Surgical Combo Engine

PIEZO OPTIC COMPACT

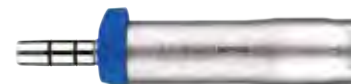
- Integrated system
- Intuitive user interface
- Powerful and precise
- Designed for patient safety



ORDER CODE

• SET	SUS10	• MOTOR	MBP10SL
• CONTROL BOX	XUS10	• ANGLE	CRB26LX
• HANDPIECE	PEZ10XX		
• FOOT CONTROLLER	FUS10		

Micro Motor & Handpiece



MBP10SL

- Optic : Optic
- Weight : 139 g
- Dimension : 127 × Ø25.7 mm
- Led Power : 25,000 Lux



CRB26LX

- Optic : Optic
- Gear Ratio : 20 :1
- Max. Torque : 70 N·cm
- Max. RPM : 2,000
- Min. RPM : 15
- Weight : 82g



PEZ10XX

- Working Frequency : 27±3 KHz
- Dimension : 148.5 × Ø 23.8 mm
- Weight : 228g (with cord)

CONTROL BOX

- Input : AC 100-120 V, 220-240 V (50/60Hz)
- Output : 48VA
- Fuse : 5 A / 2 A
- Maximum Pumps : Max. 90±20%ml / min
- Dimension : W 348 × D 276 × H 143 mm
- Weight : 3.6 kg



• Piezo Tips

Standard				
SP-SAW (2ea)	SP-SAW L	SP-SAW R	SP-016	SP-028i
Block Bone / Ridge Expansion			Window Open	Crestal Approach



Piezo Tips Holder (6pcs)

Piezo Single Engine



Traus SUS20

Piezo Single Engine

LED

PIEZO

COMPACT

- Precise & Fast cutting
- Intuitive user interface
- Powerful performance
- Designed for patient safety



ORDER CODE

• SET	SUS20
• CONTROL BOX	BUS20
• HANDPIECE	PEZ10LN / PEZ10XX
• FOOT CONTROLLER	FUS10

Handpiece

LED



PEZ10LN

- Working Frequency : 27±3 KHz
- Dimension : 148.5 × Ø 23.8 mm
- Weight : 228g (with cord)
- Led Power : 24,000 Lux

• Piezo Tips

Standard				
SP-SAW (2ea)	SP-SAW L	SP-SAW R	SP-016	SP-028i
Block Bone / Ridge Expansion			Window Open	Crestal Approach



Piezo Tips Holder (6pcs)

CONTROL BOX

- Input : AC 100-120 V, 220-240 V (50/60Hz)
- Output : 48 VA
- Fuse : 5 A / 2 A
- Maximum Pumps : Max. 110±20%ml / min
- Dimension : W 285.5 × D 261 × H 121.7 mm
- Weight : 3.35 kg



BOOST



LED



PIEZO TIPS

STANDARD	OPTION
SP-SAW (2ea) Block bone / Ridge expansion 	SP-320 Implant site preparation / Bone harvest 
SP-SAW (R) Block bone / Ridge expansion 	SP-321* Implant site preparation / Bone harvest 
SP-SAW (L) Block bone / Ridge expansion 	SP-400 Sinus lift 
SP-016 Window open 	SP-610 Extract 
SP-028i Crestal approach 	SP-020is Crestal approach (with stopper) 

OPTION	
SP-401d* Sinus lift 	SP-BT2* Sinus lift 
SP-100 Bone Harvesting (Bone scrapper) 	SP-BT3* Sinus lift 
SP-028i4H* Crestal approach 	SP-ST1* Window preparation 
SP-SAW RD* Block bone / ridge expansion 	SP-RS1* Ridge splitting 

※ Products marked " * " are not CE certified yet.

Premium Implant Engine



Traus SIP20

Premium Implant Engine

EZ OPEN

80 Ncm

OPTIC

- Maintenance friendly
- Intuitive user interface
- Real time torque & RPM display
- Motor auto-calibration function
- Efficient gear system with the latest technology



ORDER CODE

• SET	SIP20	• MOTOR	MBP10SL
• CONTROL BOX	BIP20	• ANGLE	CRB46LN
• FOOT CONTROLLER	FUS10		

Micro Motor & Handpiece



MBP10SL

- Optic : Optic
- Weight : 139 g
- Dimension : 127 × Φ 25.7 mm
- Led Power : 25,000 Lux



CRB46LN

- Optic : Optic
- Gear Ratio : 20 : 1
- Max. Torque : 80 Ncm
- Max. RPM : 2,000
- Min. RPM : 15
- Weight : 85 g

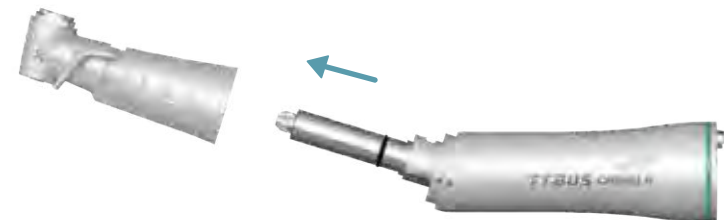
CONTROL BOX

- Input : AC 100-120 V, 220-240 V (50/60Hz)
- Output : 48 VA
- Fuse : 5 A / 2 A
- Maximum Pumps : Max. 90±20%ml / min
- Dimension : W 285.5 × D 261 × H 121.7 mm
- Weight : 3.42 kg



Maintenance Friendly

Easy to disassemble by hand without any tools for internal cleaning and maintenance



Traus SIP10

Advanced Implant Engine

COMPACT

70 Ncm

OPTIC

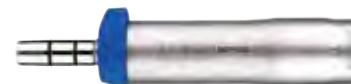
- 9 programmable memories
- Smart error diagnosis system
- Real time torque & RPM display
- Motor auto-calibration function
- Ergonomic design



ORDER CODE

• SET	SIP10	
• CONTROL BOX	XIP10	• MOTOR MBP10SL
• FOOT CONTROLLER	FUS10	• ANGLE CRB26LX

Micro Motor & Handpiece



MBP10SL

- Optic : Optic
- Weight : 139 g
- Dimension : 127 × Φ 25.7 mm
- Led Power : 25,000 Lux



CRB26LX

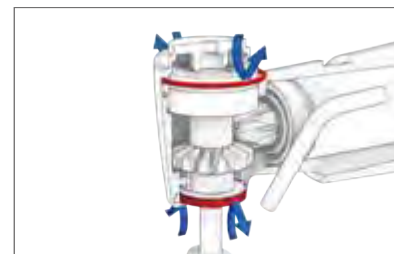
- Optic : Optic
- Gear Ratio : 20 :1
- Max. Torque : 70 Ncm
- Max. RPM : 2,000
- Min. RPM : 15
- Weight : 82 g

CONTROL BOX

- Input : AC 100-120 V, 220-240 V (50/60Hz)
- Output : 120 W
- Fuse : 5 A / 2 A
- Maximum Pumps : Max. 90±20%ml / min
- Dimension : W 233 × D 269 × H 123 mm
- Weight : 2.8 kg



2 Sides Sealing Protection



Real Time Display



Standard Implant Engine

COMPACT

ECONOMIC

DURABLE

- 9 programmable memories
- Automatic overload protection function
- Real time torque & RPM display
- Motor auto-calibration function
- Multifunctional foot control pedal



ORDER CODE

• SET	X-CUBE	
• CONTROL BOX	X-CUBE	• MOTOR FORTE100aEI
• FOOT CONTROLLER	X-CUBE PEDAL	• ANGLE ACL(B)-61I

Micro Motor & Handpiece



FORTE100aEI

- Dimension : 121.7 × Ø27 mm
- Weight : 212 g



ACL(B)-61I

- Gear Ratio : 20 :1
- Max. RPM : 2,500
- Max. Torque : 55 Ncm
- Min. RPM : 30
- Weight : 48 g

Shorter and lighter



50,000 rpm



CONTROL BOX

- Input : AC 100-120 V, 220-240 V (50/60Hz)
- Output : 230 W
- Fuse : 5 A / 2 A
- Maximum Pumps : Max. 75ml / min
- Dimension : W 205 × D 210 × H 136 mm
- Weight : 3.3 kg



Implant Engine for Hands-On

ECONOMIC

BASIC

HANDS-ON

- Optimized for hands-on & seminar
- Sufficient torque up to 55 Ncm
- 3 programmable memories
- Powerful external pump system



ORDER CODE

• SET	X-CUBE i	
• CONTROL BOX	BIP10E	• MOTOR IM40
• FOOT CONTROLLER	FIP20	• ANGLE ACL(B)-61I

Micro Motor & Handpiece



IM40

- Dimension : 135.2 × Φ 26.8 mm
- Weight : 285 g



ACL(B)-61I

- Gear Ratio : 20 :1
- Max. RPM : 1,500
- Max. Torque : 55 Ncm
- Min. RPM : 30
- Weight : 48 g

Motor Sleeve



Shorter and lighter

IM40



285g

F100aEI



304g

CONTROL BOX

- Input : AC 100~120 V, AC 220~240 V
- Output : 48 VA
- Fuse : 5 A /2 A
- Maximum Pumps : Max. 90±20%ml / min
- Dimension : W 185 x D 254.3 x H 112.2 mm
- Weight : 2.94 kg



traus HAND TORQUE DRIVER

- MANUAL
- PRECISE
- INTUITIVE

TRAUS Torque Driver helps the implantologist to precisely place dental implant fixture.



Type & Component _____

• Angle Handpiece	• Torque Converter	• Handle Ring
CSH11XX - Contra Angle	TC00	TD-R1
		
TSH11XX - Straight Angle	TC10	
		
CSH20NN - ALL-IN-ONE Angle	TC20	
		
CSH30NN - Cosmetic Surgery Angle	TC35	
		

• Torque Driver

Model	Dimension(mm)	Weight
CSH11XX	Φ 16 × L 118.8	50
TSH11XX	Φ 16 × L118.8	50
CSH20NN	Φ 15.7 × L 134.3	61
CSH30NN	Φ 11.2 × L 168.3	43

• Torque Converter

Model	Max. Torque	Dimension(mm)	Weight
TC00	∞	Φ 20 × L 67.9	34
TC10	10 Ncm	Φ 20 × L 67.9	59
TC20	20 Ncm	Φ 20 × L 67.9	50
TC35	35 Ncm	Φ 20 × L 67.9	50

Precise Endodontics Motor



TRAUS ENDO

Cordless Endo Motor

EZ START PORTABLE MINI HEAD

- Optimized Design for user Interface
- Ergonomic and compact body
- Suitable for use with most major brands of Ni-Ti files



5 memory programs



Quick Charging 2.5 hours



9 hours Using time



Auto Reverse



ORDER CODE

• SET	TRAUS ENDO
• MOTOR	MCE10XX
• ANGLE	ACL(B)-41EP
• CHARGER	XEW10

Micro Motor & Handpiece



Easy disconnect system



Motor On/Off Button

Selection Button

S P

Program Button

Variable Setting Button

ACL(B)-41EP, 42EP, 46EP

	Standard		
	ACL(B)-41EP	ACL(B)-42EP	ACL(B)-46EP
Gear Ratio	20 : 1	16 : 1	10 : 1
Weight	34.8 g	34.8 g	34.8 g

MCE10XX

Rotation Speed (min)	Gear Ratio	Torque Level (Ncm)	Rated Voltage
200~999	10 : 1	-.-	2.5 V
100~600	16 : 1	1.0 - 4.0	
100~600	20 : 1	1.0 - 4.0	



XEW10

- Rated Voltage : AC 100-240 V, 50/60 Hz
- Output : DC 4 V
- Charging Time : approx. 2.5 hours
- Using Time : approx. 9 hours

Rechargeable Cord Type Endo Rotary

SLIM 5.2 Ncm STABLE

- Auto Reverse function
- 9 programmable memories
- Foot on/off switch
- Up to 5-hour battery life
- Compact designed controller provides various functions
- Consistent torque supply
- Works with battery or adapter
- Suitable for use with the most major brands of Ni-Ti files



ORDER CODE

• SET	E-CUBE		
• CONTROL BOX	E-CUBE	• MOTOR	CUBE EP
• FOOT CONTROLLER	E-CUBE PEDAL	• ANGLE	ACL(B)-42EP

Specification

EP type



ACL(B) - 41EP / 42EP

ACL(B)-41EP, 42EP

	Standard	
	ACL(B) - 42EP	ACL(B) - 41EP
Type	EP Type	EP Type
Gear Ratio	16 : 1	20 : 1
Max. Torque	5.2 Ncm	5.2 Ncm
Max. RPM	800	650
Min. RPM	120	100
Dimension	Φ 16.7 × L 65.8 mm	Φ 16.7 × L 65.8 mm
Weight	34.8 g	34.8 g

CUBE EP

- Type : EP Type
- Input : DC 6 V
- Dimension : Φ 19.8 × L 107.7 mm
- Weight : 106 g



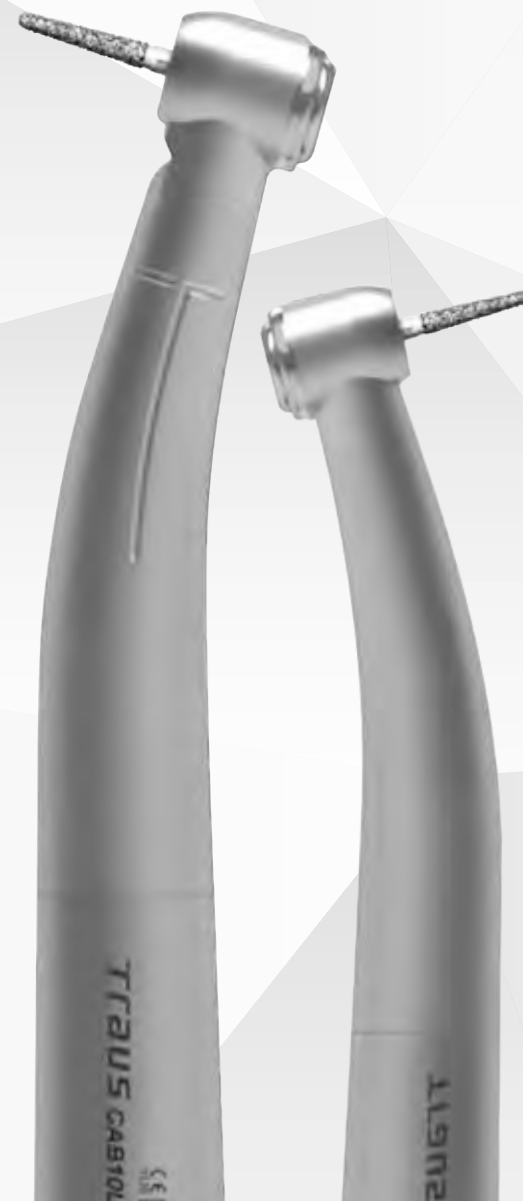
CUBE EP



E-CUBE

- Input : DC 20 V, 1.5A
- Output : DC 6 V
- Charging Time : approx. 5 hours
- Dimension : W 110 x D 196.7 x H 138.3 mm
- Weight : 582 g

AIR-DRIVEN HIGH SPEED



AIR-DRIVEN HIGH SPEED

• TRAUS ATN400 + CP10NQ



NON-OPTIC TRAUS ATN400

Φ 15.2 × W 101.8 mm(HEAD : Φ 11.15 × H 13.85 mm)

CP10NQ

• Max. 440,000 rpm

• TRAUS CAB10LN + CP10LN



OPTIC TRAUS CAB10LN

Φ 16.5 × W 103 mm(HEAD : Φ 11.2 × H 14.2 mm)

NSK-PTL LED CP10LN

• Max. 440,000 rpm

• CAB20ND M4



NON-OPTIC TRAUS CAB20ND M4*

Φ 20.5 × W 120.5 mm(HEAD : Φ 11.5 × H 13.85 mm)

DIRECT-CONNECT

• Max. 440,000 rpm

※ Products marked " * " are not CE certified yet.

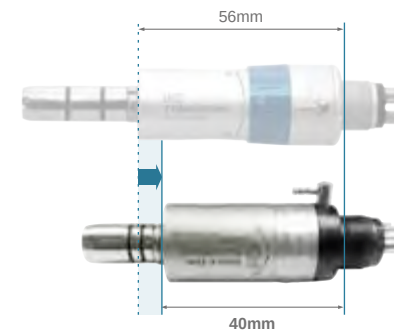
AIR-DRIVEN MOTOR

- Non-return valve designed in coupling functions specially designed not to flow the oral fluids backward from the patient's mouth to the handpiece.
- The special coating for impella case provides high durability while decreasing the wear.
- The airmotor is autoclavable.



TRAUS MRD10NN

- External Water Spray • Titanium Coated
- Autoclavable • Max. 22,000 rpm • 99 g



TRAUS MRD22NN

- External Water Spray • Titanium Coated
- Autoclavable • Max. 22,000 rpm • 80 g



TRAUS MRD20NN

- Internal Water Spray • Titanium Coated
- Autoclavable • Max. 22,000 rpm • 79 g

1:1 LOW SPEED ANGLE

AT-II

- Straight Handpiece
- Max 35,000 rpm
- Ergonomic Design
- Autoclavable
- HP Bur(Φ2.35)



ACL(B)-04C **MINI HEAD**

- Button type
- Max 35,000 rpm
- Ergonomic Design
- Autoclavable
- CA Bur(Φ2.35)



ACL(B)-01C

- Button type
- Max 35,000 rpm
- Ergonomic Design
- Autoclavable
- CA Bur(Φ2.35)



ACL(B)-03F **MINI HEAD**

- Button type
- Max 35,000 rpm
- Ergonomic Design
- Autoclavable
- FG Bur(Φ1.6)



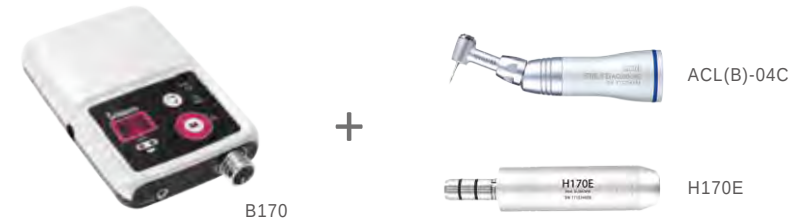
Air motor kit



E-type motor package

• BRUSHLESS

- Speed : Max. 30,000 rpm
- Torque : 3.0 Ncm
- Portable



• CARBON BRUSH

- Speed : Max. 35,000 rpm
- Torque : 3.0 Ncm



SIMPLIS

Clean & Lubricate Kit

- Maximize air pressure
- Cleans & Oils at the same time

Available for the following handpiece types:

1. High speed handpiece (Turbine HP)
2. Low speed handpiece
3. Contra angle handpiece
4. Implant handpiece



Functions



Clean Care Lubricating Spray Can

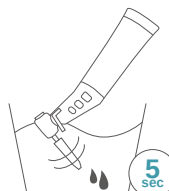
- Extends product life to ensure outstanding handpiece performance
- Oil that actually cleans a handpiece
- Effective lubrication
- Long-lasting handpiece oil

How to use

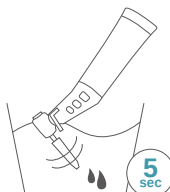
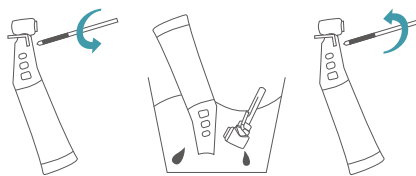
- 1 Turn the ON/OFF valve lever to ON.
- 2 Connect the handpiece to the simplis grip.
- 3 Push the spray button until clear liquid is released from the handpiece.
- 4 Once the lubrication process has been completed, turn the ON/OFF valve lever to OFF.
- 5 Push the release button to unlock the handpiece.

How to maintain dental handpieces

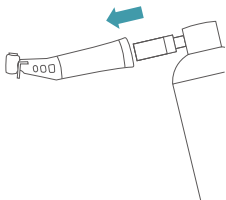
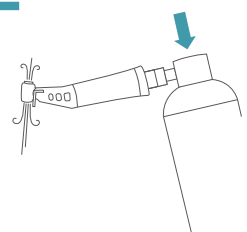
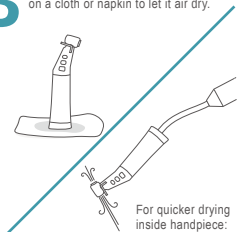
How To Clean Quick Clean

- 1 Rotate the head in alcohol or water for 5 seconds. 
- 2 Wipe down the handpiece with a damp disposable cloth. 

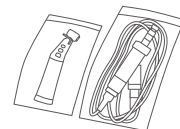
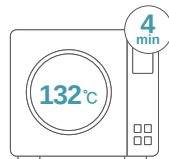
How To Clean Standard Clean

- 1 Rotate the head in alcohol or water for 5 seconds. 
- 2 Put the two disassembled parts in alcohol in order to remove any remains before they get coagulated as shown below. 

How To Lubricate

- 1 Insert the spray nozzle into the handpiece. 
- 2 Spray until the oil coming out of the handpiece is clear. 
- 3 Stand the handpiece upright on a cloth or napkin to let it air dry. 
For quicker drying inside handpiece: remove remaining liquid with gentle air spray.

How To Sterilize

- 1 Clean the oil on the outer surface of the handpiece. 
- 2 Place the handpiece in a sterilization pouch. 
- 3 Sterilize for 4 minutes at 132°C in autoclave, and let it completely dry for 30 minutes after autoclave. 

Motor



Before placing the motor in the autoclave, make sure to assemble the motor cap on the motor.



Do not disassemble the motor from the motor cord when sterilizing.



After the autoclave, put the motor tilted on the handpiece cradle as shown on the left.

SAESHIN



SAESHIN PRECISION CO., LTD.

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SOB-S001-E [Rev.3] 2020-04-01

CHISEL

traus

FORTE

STRONG

Brilliant