



SAESHIN

DENTAL

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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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*We heartily appreciate
Your constant interest and support*

- 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 management of medical instruments 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, Industry 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 Business Administration
- 2002. 07 Appointed as the Export Promising Small & Medium Enterprise (Daegu & Gyeongbuk-Do Export Assistance 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 Metropolitan 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 Company in DAEGU Metropolitan 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 Commerce & 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 industrial 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
- 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

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	
• CONTROL BOX	XUS10	• MOTOR MBP10SL
• HANDPIECE	PEZ10XX	• ANGLE CRB26LX
• 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



Ttraus 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	
• CONTROL BOX	BIP20	• MOTOR MBP10SL
• FOOT CONTROLLER	FUS10	• ANGLE CRB46LN

Micro Motor & Handpiece



MBP10SL

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



CRB46LN

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

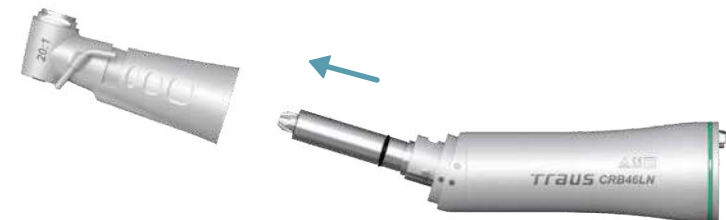
CONTROL BOX

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



CRB26LX

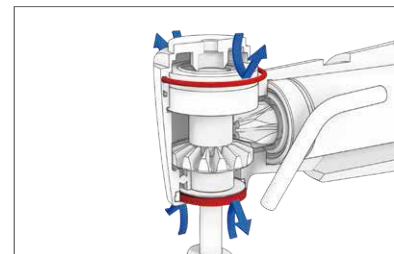
- Optic : Optic
- Max. RPM : 2,000
- Gear Ratio : 20 : 1
- Min. RPM : 15
- Max. Torque: 70 Ncm
- Weight : 82 g

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 × Φ27 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)-611

Micro Motor & Handpiece



IM40

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



ACL(B)-611

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

Motor Sleeve



Shorter and lighter



CONTROL BOX

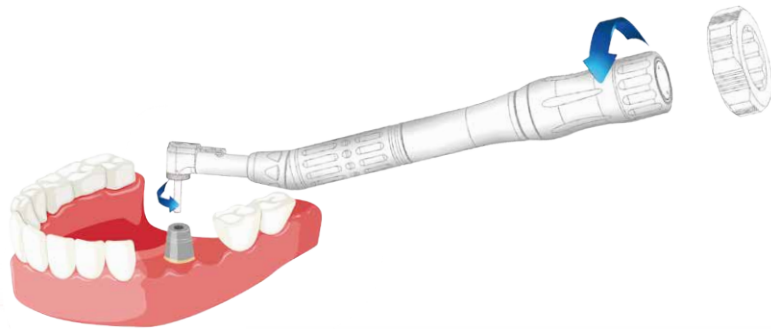
- Input : AC 100~120 V, AC 220~240 V
- Output : 48 VA
- Fuse : 5 A / 2 A
- Maximum Pumps : Max. 90±20%ml / min
- Dimension : W 185 x D 254.3 x H 112.2 mm
- Weight : 2.94 kg












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 × L 118.8	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	· MOTOR	CUBE EP
· CONTROL BOX	E-CUBE	· ANGLE	ACL(B)-42EP
· FOOT CONTROLLER	E-CUBE PEDAL		

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



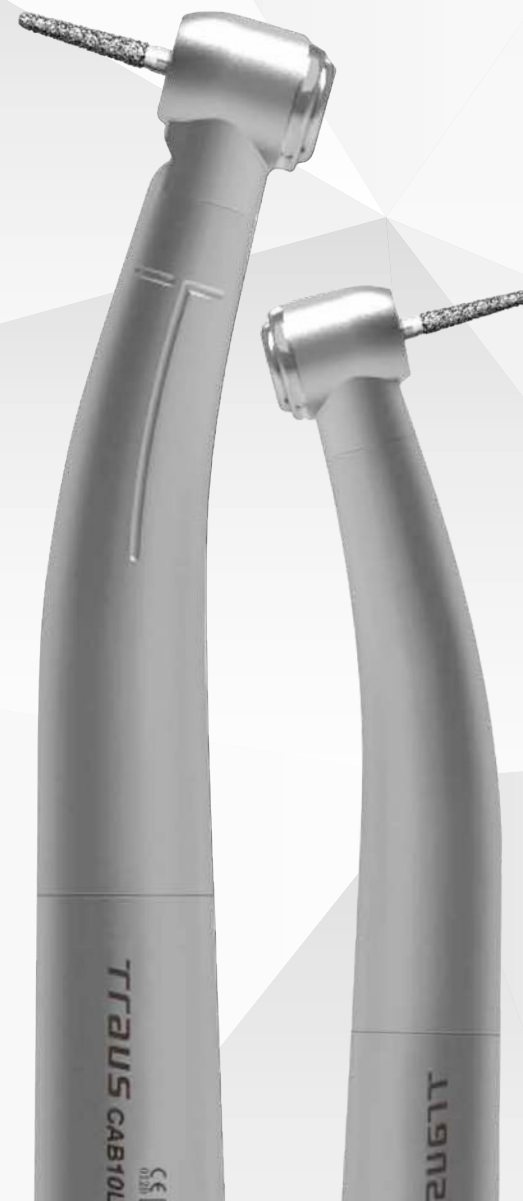
CUBE EP



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.

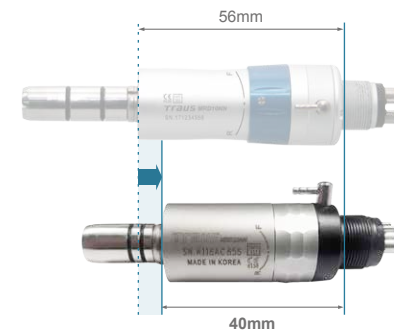
AIR-DRIVEN MOTOR

- 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)



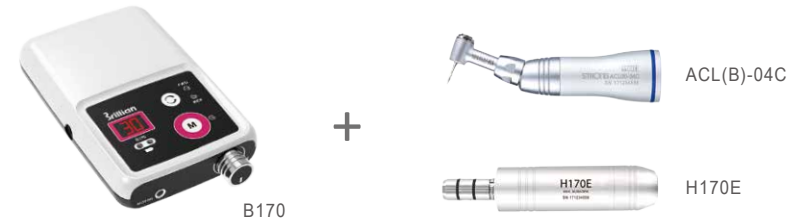
Air motor kit



E-type motor package

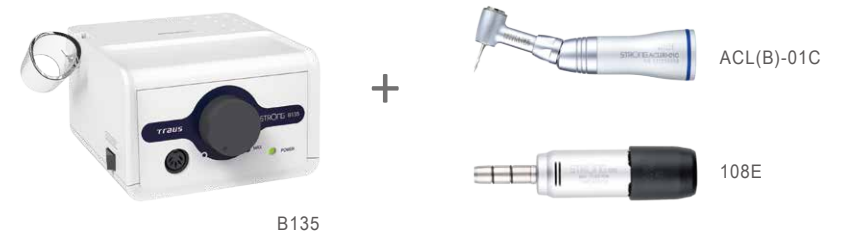
• BRUSHLESS

- 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

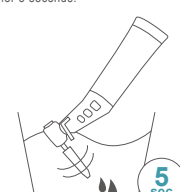
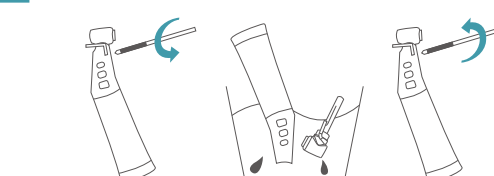
- 1 Turn the ON/OFF valve lever to ON.
- 2 Connect the handpiece to the simplis grip.
 - Handpiece →
 - High-speed handpiece → High-speed Adapter →
- 3 Push the spray button until clear liquid is released from the handpiece.
 - Handpiece ↓
- 4 Once the lubrication process has been completed, turn the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

How to maintain dental handpieces

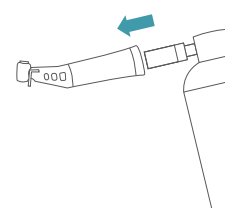
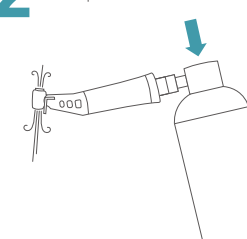
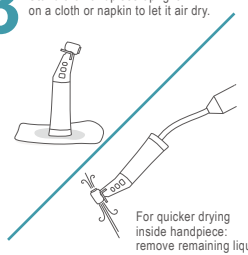
How To Clean Quick Clean

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

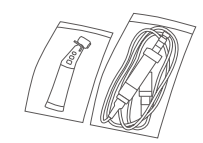
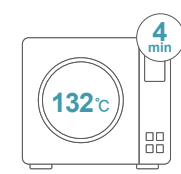
How To Clean Standard Clean

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

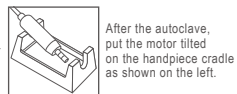
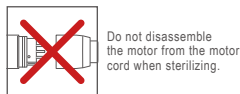
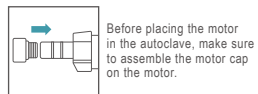
How To Lubricate

- 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. 

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



SAESHIN PRECISION CO., LTD.
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SOB-S001-E [Rev.3] 2020-04-01

CLASSIC
SPEARS

traus

FORTE

STRONG

Brilliant