traus

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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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The meaning of “TRAUS” comes from both “Dream” and “Growing Tree”. It’s symbolizing technologies and trends of the sophisticated dental industry. The blue color of “TRAUS” shows SAESHIN’s desire to be one of the best manufacturers in the world.

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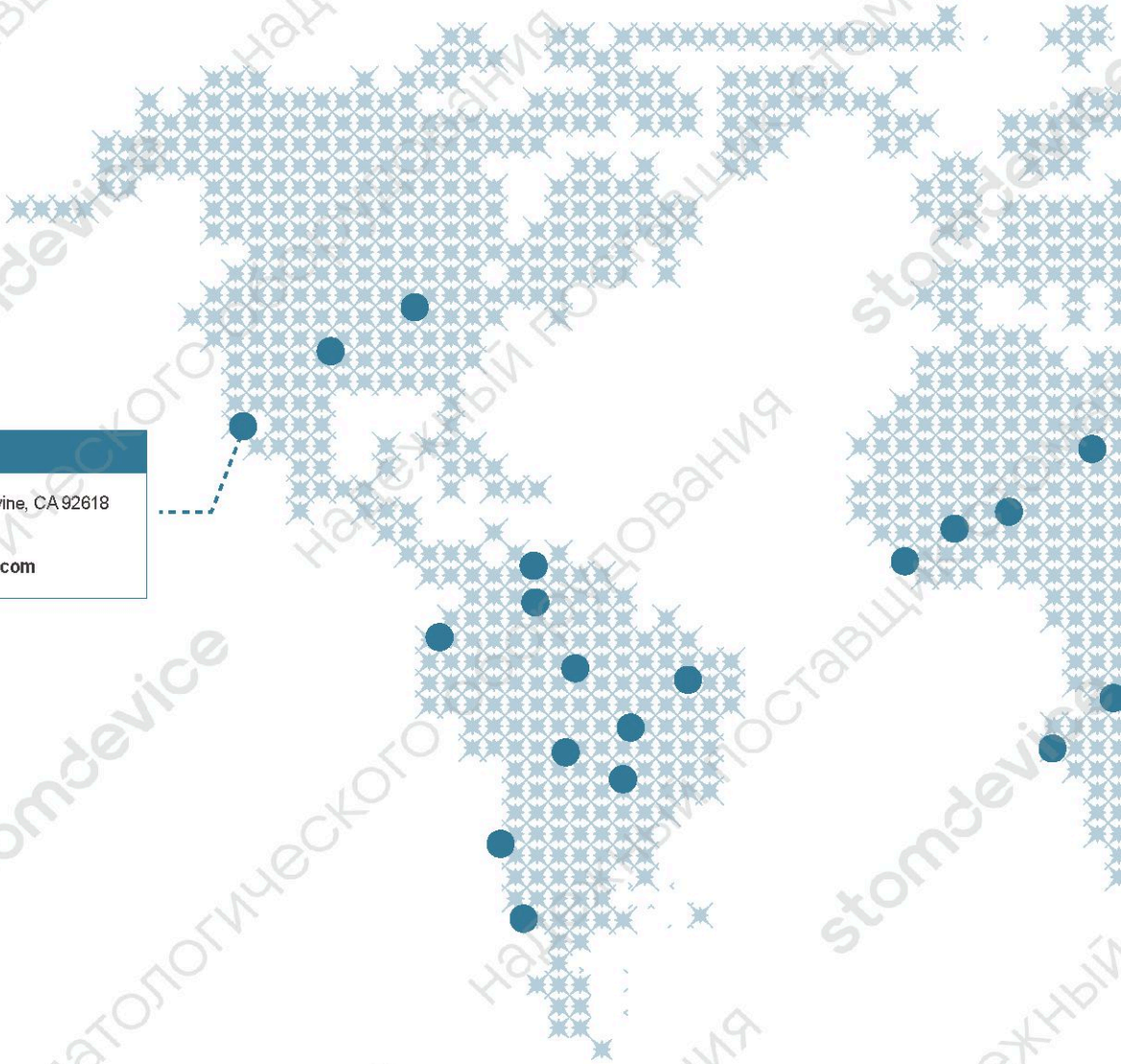
HISTORY



SAESHIN AMERICA

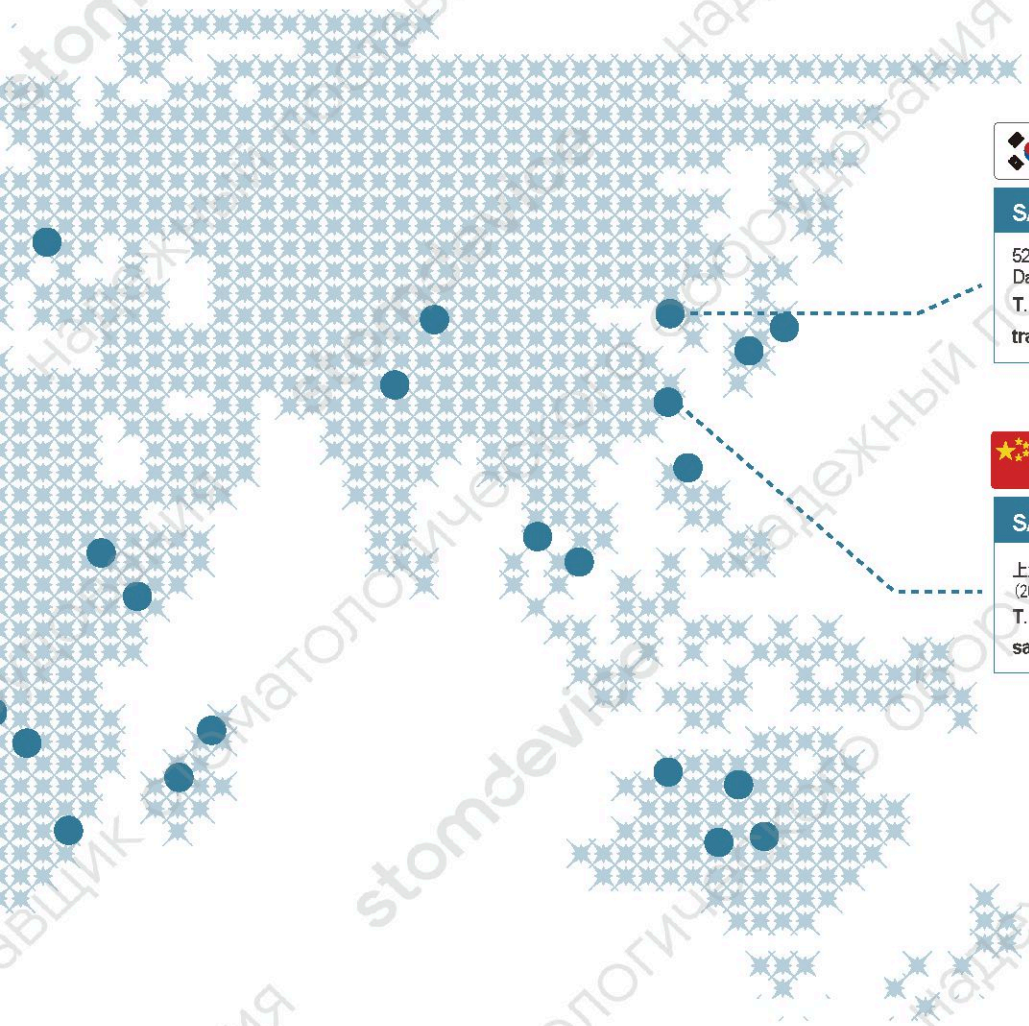
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1976. 11 Company established
1982. 12 Permitted to manufacture medical instruments and dental electric engines
1987. 06 Permitted to manufacture dental electric engines and engine handpieces
1987. 07 Registered trading business
1997. 04 Obtained Q(quality) 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

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We heartily appreciate Your constant interest and support

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
2016.07 Daegu star company selection
2017.10 Employee-friendly company
2017.11 Small and Medium Business Awards - Grand prize

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traus SUS10

Ultrasonic Piezo + Implant Dual Engine

Stable and Powerful Output
This ultrasonic surgical equipment is designed
for Osteoplastic Amputation, including dental implant surgery.

GOOD DESIGN



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Option

CRB26LX / CRB27LX

MBP10SL

Optic





Non-Optic





CRB26XX / CRB27XX

MBP10SX



PEZ10XX

Specification

Control Box

Input	AC 100-120 V, 220-240 V
Output	230 W
Fuse	5 A / 2 A
Frequency	50/60 Hz
Maximum Pump	Max. 90 ± 20% ml / min
Dimensions (mm)	W 348 X D 276 X H 143
Weight	3.6kg

Contra Angle Handpiece

	CRB26LX	CRB26XX	CRB27LX	CRB27XX
Optic	Optic	Non-Optic	Optic	Non-Optic
Gear Ratio	20 : 1	20 : 1	32 : 1	32 : 1
Max. Torque	70 N·cm	70 N·cm	80 N·cm	80 N·cm
Max. RPM	2,000	2,000	1,250	1,250
Min. RPM	15	15	10	10
Weight	82g	84g	82g	84g

Piezo Handpiece

Working Frequency	27 ± 3 KHz
Dimensions (mm)	148.5 X Φ 23.8 (mm)
Weight	81g

Piezo Tips Holder (10pcs)



Foot Controller



FUS10

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traus SUS20

Ultrasonic Piezo Single

This ultrasonic surgical equipment is designed
for Osteoplastic Amputation, including dental implant surgery.


Side View



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Option



PEZ10XX



Option Optic Function

Specification

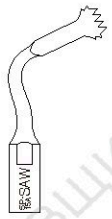
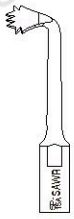
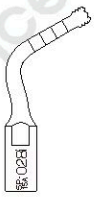
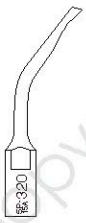
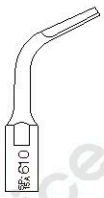
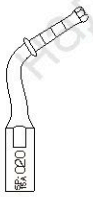
Control Box

Input	AC 100-120 V, 220-240 V
Output	230 W
Fuse	5 A / 2 A
Frequency	50/60 Hz
Maximum Pump	Max. 90 ± 20% ml / min
Dimensions (mm)	W 348 X D 276 X H 143
Weight	3.6kg

Piezo Handpiece

Working Frequency	27 ± 3 KHz
Dimensions (mm)	148.5 X Φ 23.8 (mm)
Weight	81g

Piezo Tips

Standard					Option			
								
SP-SAW	SP-SAW L	SP-SAW R	SP-016	SP-028i	SP-320	SP-400	SP-610	SP-020
Block Bone / Ridge Expansion			Window Open	Crestal Approach	Implant Site Preparation, Bone Harvest	Sinus Lift	Extract	Crestal Approach (with stopper)

Piezo Tips Holder (6pcs)



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Traus SSG10

Surgical & Implant Dual Engine

Cutting, Drilling, Grinding & Resection of Tissues
with Multifunctional Micro Handpieces on Drill Modes in One.



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Option

Option



Standard



Specification

Control Box

Input	AC 100-120 V, 220-240 V
Output	230 W
Fuse	5 A / 2 A
Frequency	50/60 Hz
Maximum Pump	Max. 90 ± 20% ml / min
Dimensions (mm)	W 297 X D 255 X H 122.5
Weight	3.2kg

Contra Angle Handpiece

	CRB26LX	CRB27LX
Optic	Optic	Optic
Gear Ratio	20 : 1	32 : 1
Max. Torque	70 N·cm	80 N·cm
Max. RPM	2,000	1,250
Min. RPM	15	10
Weight	82g	82g

Surgical Drill

	CRT14XX	CST10XX	TST10XX
Gear Ratio	10 : 1	1 : 1	1 : 1
Max. RPM	4,000	40,000	40,000
Min. RPM	60	1,000	1,000
Weight	123g	124g	89g

Surgical Saw

	TRT12NRC	TRT12NSG	TRT12NOS
Use	Reciprocating	Sagittal	Oscillating
Gear Ratio	3 : 1	3 : 1	3 : 1
Max. RPM	12,500	12,500	12,500
Min. RPM	500	500	500
Weight	102g	102g	102g

Shaver

	TRT12NSH
Use	Shaver
Gear Ratio	4 : 1
Continuous RPM	300~6,000
Oscillating RPM	300~5,000
Oscillating Fuse	0.5~3.0 Hz
Weight	123g

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Traus SIP10

Advanced Implant Engine

- 9 programmable memories
- Automatic overload protection function
- Displays actual RPM and torque during operation to help maintain the proper working condition
- Motor auto-calibration function
- Ergonomic foot controller
- Optic function





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Option

	CRB26LX / CRB27LX	MBP10SL
Optic		
Non-Optic		
	CRB26XX / CRB27XX	MBP10SX

Specification

Control Box

Input	AC 100-120 V, 220-240 V
Output	230 W
Fuse	5 A / 2 A
Frequency	50/60 Hz
Maximum Pump	Max. 90 ± 20% mℓ / min
Dimensions (mm)	W 233 X D 269 X H 120
Weight	2.8kg

Contra Angle Handpiece

	CRB26LX	CRB26XX	CRB27LX	CRB27XX
Optic	Optic	Non-Optic	Optic	Non-Optic
Gear Ratio	20 : 1	20 : 1	32 : 1	32 : 1
Max. Torque	70 N·cm	70 N·cm	80 N·cm	80 N·cm
Max. RPM	2,000	2,000	1,250	1,250
Min. RPM	15	15	10	10
Weight	82g	84g	82g	84g

Foot Controller



FUS10



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Implant X CUBE

Basic Implant Engine

- 9 programmable memories
- Automatic overload protection function
- Actual RPM display describing working condition
- Motor auto-calibration function
- Ergonomic foot control pedal



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Option

ACL(B) - 41I / 42I / 43I / 45I



CRB26XX / CRB27XX



FORTE100αEI

Specification

Contra Angle Handpiece

	CRB26XX	CRB27XX	ACL(B)-41I	ACL(B)-42I	ACL(B)-43I	ACL(B)-45I
Gear Ratio	20 : 1	32 : 1	20 : 1	16 : 1	64 : 1	32 : 1
Max. Torque	55 N·cm	55 N·cm	55 N·cm	55 N·cm	65 N·cm	65 N·cm
Max. RPM	2,500	1,560	2,500	3,100	780	1,560
Min. RPM	30	20	30	40	10	20
Weight	84g	84g	60g	60g	64g	60g

Control Box

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

Foot Controller



X-CUBE Foot Controller

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endo CUBE

Rechargeable Cord Type Endo Rotary

- 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



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Option



Specification

Control Box

Input	DC 20 V, 1.5A
Output	DC 6 V
Charging Time	approx. 5 hours
Dimensions (mm)	W 110 X D 196 X H 139
Weight	582g

Contra Angle Handpiece

	ACL(B) - 41EP	ACL(B) - 42EP (Standard)	ACL(B) - 42EM
Type	EP Type	EP Type	EM Type
Gear Ratio	20 : 1	16 : 1	16 : 1
Max. Torque	5.2 N·cm	5.2 N·cm	5.2 N·cm
Max. RPM	650	800	800
Min. RPM	100	120	120
Dimensions (mm)	Ø 16.7 X L63	Ø 16.7 X L63	Ø 19.6 X L95.2
Weight	35g	35g	52g

Micro Motor

	CUBE EP	CUBE EM
Type	EP Type	EM Type
Input	DC6V	DC6V
Dimensions (mm)	Ø19.8 x L108	Ø19.8 x L61.7
Weight	106g	116g



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Traus ENDO

Cordless Endo Motor

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



- Standard gear ratio 20:1
- 5 memory programs
- Quick Charging 2.5 hours
- 8.5 hours Using time
- Auto Reverse

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Functions

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



Easy disconnect system

MCE10XX

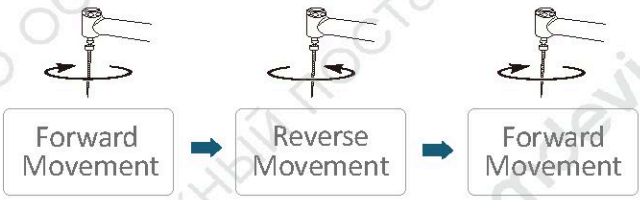


Auto-Reverse Function

1 Auto Stop



2 Auto Reversing



Specification

Charger (TRAUS XEW10)

Rated Voltage	AC 100-240 V, 50/60 Hz
Output	DC 4 V
Charging Time	approx. 2.5 hours
Using Time	approx. 8.5 hours

Contra Angle Handpiece

	Standard		
	ACL(B) - 41EP	ACL(B) - 42EP	ACL(B) - 46EP
Gear Ratio	20 : 1	16 : 1	10 : 1
Weight	35g	35g	34.8g

Motor Handpiece (TRAUS MCE10XX)

Rotation Speed (min)	Gear Ratio	Torque Level (N·cm)	Rated Voltage
200~999	10 : 1	1.0 - 3.0	2.5 V
100~600	16 : 1	1.0 - 4.0	
100~600	20 : 1	1.0 - 4.0	

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Air Motor

▶ TRAUS MRD10NN

- 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.

Drive Air[MPa(kgf/cm²)]	Speed[min⁻¹(rpm)]	Air Consumption[NL/min]
0.25 (2.5)	20,000	42
0.3 (3.0)	22,000	51



Brushless E-Type sealed motor

- Optic function : (Option) 40K BLDC MOTOR (TRAUS MBP10SL)
- Brushless E-type motor with 50,000rpm (TRAUS series : 40,000rpm)
- Quite and strong torque
- Available in various handpiece angles in accordance with ISO standards.
- Sealed tight and water-proof for sterilization.
- The fixing pin helps for exact fitting between the E-type motor and the angle handpiece to create zero movement.

▶ TRAUS MBP10SL (40K) 132℃ Optic



▶ TRAUS MBP10SX (40K) 132℃



▶ FORTE 100αEI (50K) 132℃



Carbon Brush E-Type sealed motor

▶ STRONG 108EI (40K)



Carbon Brush E-Type motor

- Available in various angles in accordance with ISO standards.

▶ STRONG 108E (35K)



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1:1 Straight & Contra angle



AT-I	AT-II	MINI HEAD ACL(B)-04C	ACL(B)-01C	MINI HEAD ACL(B)-03F	MINI HEAD ACL-02C	ACL-01C
• Straight Handpiece • Max 35,000rpm • Ergonomic Design • Autoclavable • HP Bur(Ø 2.35)		• Button type • Max 35,000rpm • Ergonomic Design • Autoclavable • CA Bur(Ø 2.35)		• Button type • Max 35,000rpm • Ergonomic Design • Autoclavable • FG Bur(Ø 1.6)	• Lever type • Max 30,000rpm • Ergonomic Design • Autoclavable • CA Bur(Ø 2.35)	

Air Motor + 3 Package



ACL(B)-01C

AT-I

+

Air Motor(MRD10NN)

Air Motor Kit

Portable Package



B120 (Portable Type)
B121 (AC Type)

Thumb

+

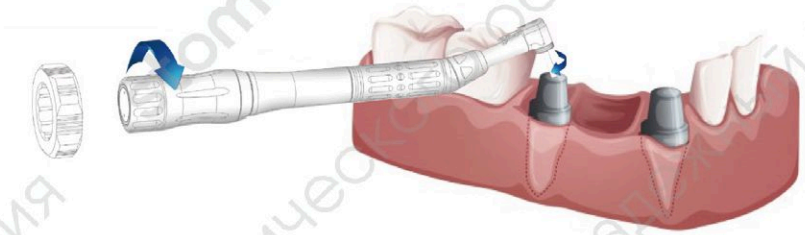
ACL(B)-04C

PEHP

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TRAUS HAND TORQUE DRIVER

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





Type & Component

Angle Handpiece

- CSH11XX - Contra Angle



- TSH11XX - Straight Angle



- CSH20NN - ALL-IN-ONE Angle



- CSH30NN - Cosmetic Surgery Angle



Torque Converter

- TC00



- TC10



- TC20



- TC35



Handle Ring

- TD-R1



Specification

Torque Driver

Model	Dimension(mm)	Weight
CSH11XX	Φ 16 X L 119	50
TSH11XX	Φ 16 X L 119	50
CSH20NN	Φ 15.7 X L 134	60
CSH30NN	Φ 16 X L 168	69

Torque Converter

Model	Max. Torque	Dimension(mm)	Weight
TC00	No-Remit	Φ 20 X L 68	34
TC10	10 Ncm	Φ 20 X L 68	59
TC20	20 Ncm	Φ 20 X L 68	60
TC35	35 Ncm	Φ 20 X L 68	60

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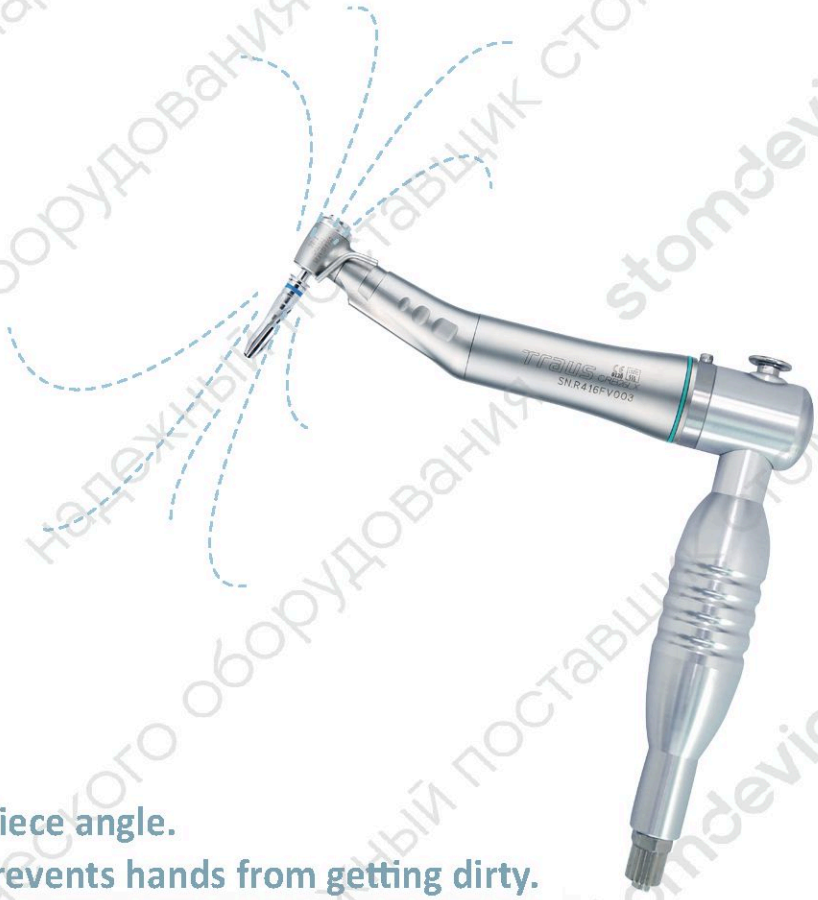
SIMPLIS

- Maximizes high 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





The SIMPLIS works on any handpiece angle.
It's a Lubrication System which prevents hands from getting dirty.

This handpiece Lubrication system is simply called "SIMPLIS"

Lubrication Oil Spray



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

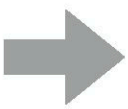
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SIMPLIS Grip

Spray Holder


Grip Holder


High-speed Adapter





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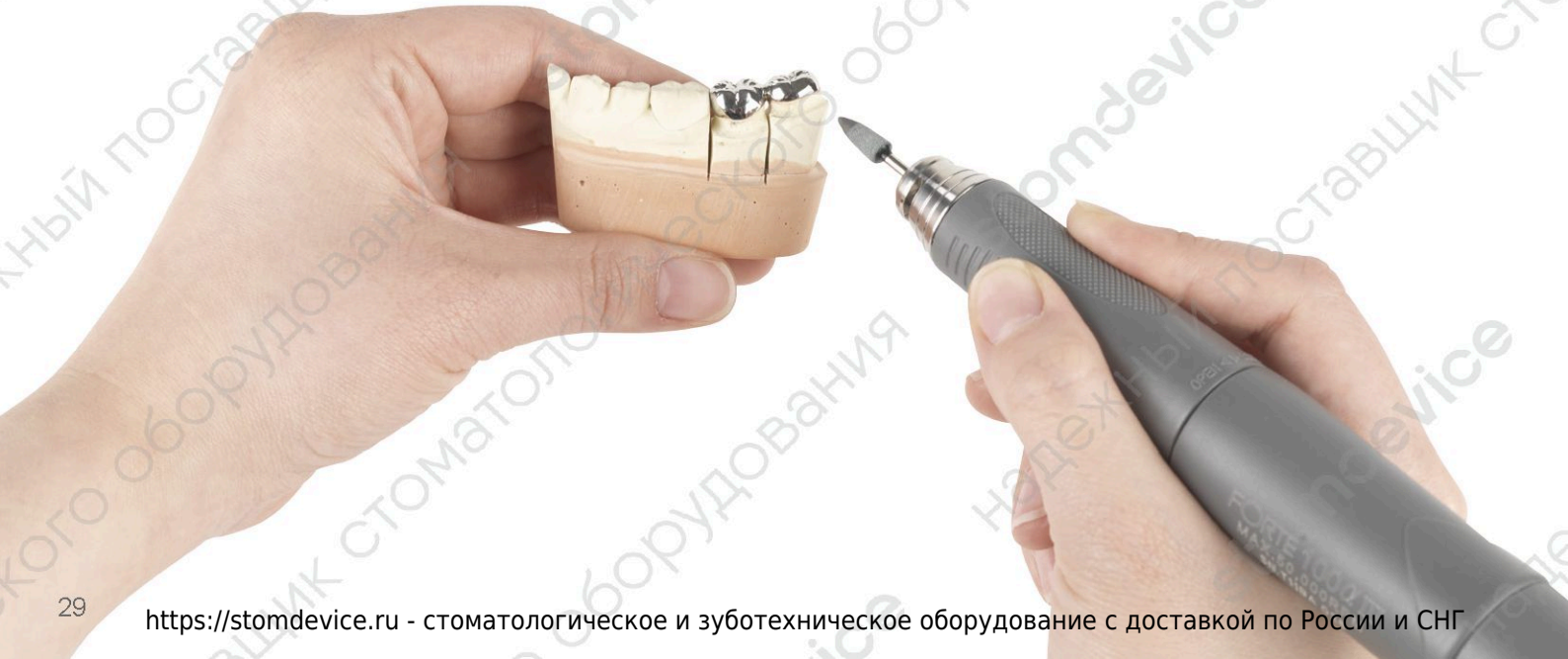
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LABORATORY

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Customer satisfaction through FAITH, CREATION, PIONEER SPRIT

Since 1976, Saeshin Precision Co., Ltd. located in Daegu City of South Korea, has been manufacturing and distributing the micro motor handpiece for dental purpose over 120 countries. Saeshin has continued to expand its special product line for laboratory market from 20 years ago with good reputation and quality control system from Medical standard which is very strict and well organized such as ISO13485, CE and FDA. We provide the largest selection of Electronic Drill system and additional accessories to meet the needs of every Professional technician and we always aim to give the best satisfaction by supplying nail drills of excellent quality.



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Traus B110 BLDC

Knee control type
Compact design
Excellent durability

speed



- RPM : MAX 50,000 rpm
- Torque : 7.0 N·cm
- Input : AC 100-120 V~/220-240 V~ (50/60 Hz)
- Output : 230 W
- Weight : 2.4kg
- Handpiece : 202g (H180)
- Dimension : W 235 X L 90 X H 200
- FWD/REV Function
- Auto-Cruise Function
- Knee control system
- Hand / Foot speed control system
- Foot speed control is optional



H180
Slim Type

Traus B111 DC

Knee control type
Compact design
Excellent durability

speed



- RPM : MAX 45,000 rpm
- Torque : 4.5 N·cm
- Input : AC 100-120 V~/220-240 V~ (50/60 Hz)
- Output : 230 W
- Weight : 2.3kg
- Handpiece : 240g (H160)
- Dimension : W 235 X L 90 X H 200
- FWD/REV Function
- Auto-Cruise Function
- Knee control system
- Hand / Foot speed control system
- Foot speed control is optional



H160

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FORTE 400s BLDC

Desktop type
Ergonomic design
Excellent durability





- RPM : MAX 60,000 rpm
- Torque : 7.3 N·cm
- Input : AC 100-120 V~ / 220-240 V~ (50/60 Hz)
- Output : 230 W
- Weight : Control box 2.2kg
- Handpiece : 202g (Forte400SI)
- Overload display
- Low noise and vibration, Maximal efficiency
- Built-in micro processor
  (Self - diagnosis, "error" display, Work memory storage and a handpiece auto-recognition function)
- Hand / Foot speed control system
- Foot speed control is optional



Forte400sl
Slim Type

OZ BLDC

Digital watch
Strong torque at low speed
Vertical / horizontal placement





- RPM : MAX 60,000 rpm
- Torque : 7.3 N·cm
- Input : AC 100-120 V~ / 220-240 V~ (50/60 Hz)
- Output : 230 W
- Weight : Control box 2.5kg
- Handpiece : 202g (OZ100)
- FWD/REV Function
- Self-diagnosis, "error" display, usage memory and storage function
- Hand / Foot speed control system
- Foot speed control is optional



OZ100
Slim Type

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OZ Black - D BLDC

Strong torque at low speed
Vertical / horizontal placement





- RPM : MAX 50,000 rpm
- Torque : 7.0 N·cm
- Input : AC 100-120 V~ / 220-240 V~ (50/60 Hz)
- Output : 230 W
- Weight : Control box 2.5kg
- Handpiece : 226g (Forte400αl)
- FWD/REV Function
- Self-diagnostic system with “error” display and usage memory storage function
- Hand / Foot speed control system
- Foot speed control is optional

FORTE 200α - D BLDC

Knee control type
Ergonomically designed
Excellent durability





- RPM : MAX 50,000 rpm
- Torque : 7.0 N·cm
- Input : AC 100-120 V~ / 220-240 V~ (50/60 Hz)
- Output : 230 W
- Weight : Control box 3kg
- Handpiece : 226g (Forte400αl)
- Low noise and vibration, Maximal efficiency
- Knee control system
- Built-in micro processor
  (Self – diagnosis system with “error” display and usage memory storage, and a handpiece auto-recognition function)
- Hand / Foot speed control system
- Foot speed control is optional





Forte400αl
Slim Type

FORTE 100α BLDC

Desktop type
Ergonomic design
Excellent durability



- RPM : MAX 50,000 rpm
- Torque : 7.8 N.cm
- Input : AC 100-120 V~ / 220-240 V~ (50/60 Hz)
- Output : 230 W
- Weight : Control box 2.9kg
- Handpiece : 254g (Forte100αⅢ)
- Low noise and vibration, Maximal efficiency
- Built-in micro processor
  (Self - diagnosis, "error" display, Work memory storage and Handpiece auto-recognition function)
- Hand / Foot speed control system
- Foot speed control is optional

FORTE 200α BLDC

Knee control type
Ergonomically designed
Excellent durability



- RPM : MAX 50,000 rpm
- Torque : 7.8 N.cm
- Input : AC 100-120 V~ / 220-240 V~ (50/60 Hz)
- Output : 230 W
- Weight : Control box 3kg
- Handpiece : 254g (Forte100αⅢ)
- Low noise and vibration, Maximal efficiency
- Built-in micro processor
  (Self – diagnosis with "error" display, usage memory storage and handpiece auto-recognition function)
- Hand / Foot speed control system
- Foot speed control is optional



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OZ Black BLDC

Desktop type
Ergonomic design
Excellent durability

speed



- RPM : MAX 50,000 rpm
- Torque : 7.8 N.cm
- Input : AC 100-120 V~ / 220-240 V~ (50/60 Hz)
- Output : 230 W
- Weight : Control box 2.5kg
- Handpiece : 254g (Forte100αⅢ)
- Overload display
- Low noise and vibration, Maximal efficiency
- Built-in micro processor
  (Self – diagnosis with "Error" display, usage memory storage
  And a handpiece auto-recognition function)
- Hand / Foot speed control system
- Foot speed control is optional

FORTE 300α BLDC

Ergonomic design
Excellent durability
Low noise and vibration

speed



- RPM : MAX 40,000 rpm
- Torque : 4.5 N.cm
- Input : AC 100-120 V~ / 220-230 V~ / 240 V (50/60 Hz)
- Output : 230 W
- Weight : Control box 1.9kg
- Handpiece : 254g (Forte100αⅢ)
- FWD/REV Function
- Built-in micro processor
  (Self – diagnosis with "error" display, usage memory storage
  and a handpiece auto-recognition function)
- Hand / Foot speed control system
- Foot speed control is optional



Forte100αⅢ
Torque Type

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STRONG 206 DC

Dual Motor system
Non-stage speed system
with high torque



- RPM : MAX 45,000 rpm
- Torque : 4.0 N.cm
- Input : 100 V, 110 V / 230 V, 240 V (50/60 Hz)
- Output : DC 0-32 V
- Weight : Control box 1.7kg
- FWD/REV Function
- Automatic overload protection system
- Circuit safety system
- Hand / Foot speed control system
- Foot speed control is optional

STRONG 207S DC

Non-stage speed system
with high torque



- RPM : MAX 45,000 rpm
- Torque : 4.0 N.cm
- Input : 100 V, 110 V / 230 V, 240 V (50/60 Hz)
- Output : DC 0-32 V
- Weight : Control box 1.8kg
- FWD/REV Function
- Automatic overload protection system
- Circuit safety system
- Hand / Foot speed control system
- Foot speed control is optional



https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

STRONG 202 DC

Dual RPM system (Settings for 35K or 45K)
RPM Display
Desktop Unit





- RPM : MAX 45,000 rpm
- Torque : 4.0 N.cm
- Input : AC 100 V / 110 V / 220-230 V~ / 240 V (50/60 Hz)
- Output : DC 0-32 V
- Weight : 2.2kg
- Non stage speed control system with high torque
- FWD/REV Function
- Built-in micro processor
  (Self – diagnostic, with "error" display, usage memory storage and a handpiece auto-recognition function)
- Hand / Foot speed control system
- Foot speed pedal or Foot On-Off pedal as an option

STRONG 230 DC

4-stage speed system
Carbon brush motor
Comparatively large dimensions
For heavy duty use





- RPM : MAX 30,000 rpm
- Torque : 6.0 N.cm
- Input : 100-120 V~, 220-230 V, 240 V (50/60 Hz)
- Output : DC 25-42 V
- Weight : Control box 4kg
- FWD/REV Function
- Motor protection fuse system
  Motor is protected from overload by a blocking fuse
- Long durable motor handpiece type for various applications
- Hand / Foot speed control system
- Foot On-Off pedal as an option



105LN



130 130W

STRONG 210 DC

Non-stage speed system with High torque
Unique design
Handpiece-holder
18 burs slots





- RPM : MAX 35,000 rpm
- Torque : 3.0 N.cm
- Input : 100 V, 110 V / 230 V, 240 V (50/60 Hz)
- Output : DC 0-32 V
- Weight : Control box 1.3kg
- FWD/REV Function
- Hand / Foot speed control system
- Foot speed pedal or Foot On-Off pedal as an option

STRONG 207A/B DC

Compact design
Ergonomic design
Non stage speed system
High torque





- RPM : MAX 35,000 rpm
- Torque : 3.0 N.cm
- Input : 100 V, 110 V / 230 V, 240 V (50/60 Hz)
- Output : DC 0-32 V
- Weight : Control box 1.7kg
- FWD/REV Function
- Automatic overload protection system
- Hand / Foot speed control system
- Foot speed pedal or Foot On-Off pedal as an option



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STRONG 209A/B DC

Compact design
Ergonomic design
Vertical / Horizontal placement





- RPM : MAX 35,000 rpm
- Torque : 3.0 N.cm
- Input : 100 V, 110 V / 230 V, 240 V (50/60 Hz)
- Output : DC 0-32 V
- Weight : Control box 1.2kg
- FWD/REV Function
- Circuit safety system
- Hand / Foot speed control system
- Foot speed pedal or Foot On-Off pedal as an option

STRONG 90 DC

Basic Reliable model
Mini-compact design
Less-vibration





- RPM : MAX 35,000 rpm
- Torque : 3.0 N.cm
- Input : 100 V, 110 V / 230 V, 240 V (50/60 Hz)
- Output : DC 0-32 V
- Weight : Control box 1.3kg
- FWD/REV Function
- Non stage speed system
- Hand / Foot speed control system
- Foot On-Off pedal as an option



105(35K) 105L(35K) 105LN (45K)

WP-4, WP-5

DIGITAL WAX HEATER



Easy to use and operate
Displays Celsius or Fahrenheit
30℃ ~120℃

- Heats wax quickly and maintains it in liquid form without any change in physical properties
- Built-in digital CPU circuit that can be preset to accurately maintain desired temperature
- Input : 100 V, 110-120 V, 220-230 V, 240 V (50/60 Hz)
- Dimension : W 195 x H 56 x D 110mm
- Weight : 0.5kg
- Option : wp-4 / wp-5

WP-1, WP-3

DIGITAL WAX DIPPING UNIT



Excellent corrosion and abrasion resistant pot
Easy cleaning pot made of special material / 30℃ ~130℃

- Accurate temperature adjustment & quick thermal conductivity
- Usable for long time without any change in physical quality of wax
- Celsius and Fahrenheit display function
- individual temperature control for each pot to produce efficient work (wp-3)
- Input : 100 V, 110 V/230 V, 240 V (50/60 Hz)
- Dimension : C/B W 102 x H 70 x D 140mm / 0.39kg (wp-1)
  C/B W 193 x H 70 x D 130mm / 0.97kg (wp-3)
- Option : wp-1 / wp-3

PH

DIGITAL WAX PENCIL HEATER



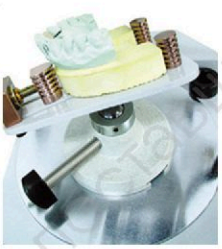
LED display for operation and heating
Easy set up with a sensitivity button
Convenient set up with heating time button

- Ergonomic design
- Safely heats-up in short time without the possibility of burning
- Input : 100 V, 110 V, 220-230 V, 240 V (50/60 Hz)
- Dimension : W 98 x H 91 x D 204mm
- Weight : 0.5kg

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More precise work is possible
with this unique handpiece System

- High quality precision instrument for milling, drilling, setting attached models, and tapping system
- Smooth and micro-fit arm
- Surveyor holder used with exclusive handpiece (Strong102LSll)
- Easy movement for fixing vise with 360° rotation
- Surveyor pin with 8 pieces are included
- Dimension : L 203.5 x W 170 x H 330











Strong 102LS ll
- 35,000rpm (carbon)



MAINTENANCE & PARTS

DENTAL

• Hanger 	• Motor stand A 	• Tube clamp 	• Tube holder 
• Irrigation tube 	• Y-connector 	• Implant motor sleeve 	• Motor cap 
• Spray nozzle C 	• Spray nozzle A 	• Spray nozzle B 	• Foot hanger & Joint cap 
• Torque wrench 	• Tip holder 	• Surgical tray 	• Lubrication oil spray 

LABORATORY

• Motor stand 	• Foot on/off pedal Length : 1.5m 	• Foot Speed pedal A 	• Foot Speed pedal B 
• Handpiece holder (Thumb) 	• Handpiece holder (210) 	• Handpiece holder (209A,B) 	• Surveyor pin set 
• Lead[3din] Brush HP Length : 1.5m 	• Lead[3din] Brushless HP Length : 1.8m 	• Lead[3din] S-110L Length : 2m 	• Spindle assembly 
• Armature  BLDC DC	• Collet chuck Size : Ø1.6 Ø2.35 Ø3.0 Ø3.175 	• Sleeve collet chuck Inside Size : Ø1.6 Ø2.34 	• Carbon brush 
• Ball bearing 			

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MAGIC HANDPIECE CLEANER

- SMC-IMPL (Handpiece Cleaning Nozzle)



- SMC-E (Handpiece Cleaning Nozzle)



- SMC-KH (Handpiece Cleaning Nozzle)



- SMC –NHPTL (Handpiece Cleaning Nozzle)



- SMC-NQDH (Handpiece Cleaning Nozzle)

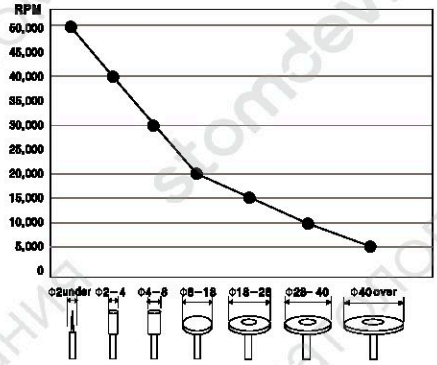


- SMC-WH (Handpiece Cleaning Nozzle)





BUR and HP USAGE & PRECAUTIONS



- Please run the RPM of handpiece according to the diagram in order to protect against accident.
- The allowable RPM for handpiece could be different according to the bur material and type of bur using.
- Adjust RPM according to the bur diameter.

HP PRECAUTIONS

- Do not operate in a dangerous environment
- Do not use the control box in a humid place.
- Saeshin handpiece & foot pedal should only be used with a Saeshin control unit.
- Wear proper protective clothes and equipment, including a dust mask and safely goggles. Use a proper suction unit and a ventilator.
- Use a bur that conforms to ISO standards. Avoid using a rusty or bent bur that may cause excessive wear to the bearings. Keep safe speeds and follow precautions recommended by the bur manufacturer.
- Check for any trouble, including vibration of bur at low speeds, and then at high speeds.
- Operate the speed control dial of the control box gently.
- Turn off power when changing a bur.
- Be careful not to drop the handpiece as it may damage or break the unit. In case it is dropped, check if the bur is bent or that any excessive heat is generated while carefully operating it.
- Keep the place around handpiece clean from dust and grindings.
- Remove dust on handpiece by wiping with isopropyl alcohol and avoid getting wet inside.
- Do not lubricate or wash with water. Lubrication is not needed as bearings used in the handpiece and motor are properly pre-greased.
- Do not turn on the control box power while the collet chuck of handpiece is open.
(that can cause a short circuit in the motor)
- Use the products as per the instruction manual and only use products recommended by the manufacturer.

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