

A brand you can TRAUS!
since 1976

SURGICAL MOTOR BROCHURE



SAESHIN
AMERICA

SAFESHIN AMERICA



HISTORY



SAESHIN has been a major player in the field of High-Precision Dental Device technology and is always striving to be #1.

Leader in the field of high-precision medical device.

Forty years ago SAESHIN develop their first successful Dental Handpiece and the first in Korea. As time went on, the development of consistent technology resulted in a high-speed precision brands such as: STRONG, FORTE and TRAUS.

SAESHIN grew into a global company, and top in the Domestic market.

We now export products to over 120 countries.

SAESHIN has established itself as a manufacturing company of high-precision, plus a medical device company being recognized for a system certificate of ISO9001, ISO13485 and Product certificate of KFDA, CE, FDA, CFDA.

TRAUS SUS10

Ultrasonic Piezo + Implant Dual Engine Stable and Powerful Output

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

- Offers an Ultrasonic Piezo & Implant Motor in one unit
- Compact size
- Affordable and competitively priced
- Stable and powerful output
- Easy to read control panel with vivid LCD
- Optic or non-optic motor is available
- Includes contra angle handpiece, footswitch & 10 Piezo tips



Optic



OPTION

TRAUS CRB26LX / CRB27LX

Optic



TRAUS MBP10SL



Non-Optic



TRAUS CRB26XX / CRB27XX

TRAUS MBP10SX



TRAUS PEZ10XX

SPECIFICATION

Control Box

INPUT	AC 100-120 V, 220-240 V
FUSE	5A / 2A
FREQUENCY	50/60 Hz
OUTPUT	230 W
MAXIMUM PUMP	Max.90 ± 20%ml / min
DIMENSIONS (mm)	W348 x D276 x H143
WEIGHT	3.6kg

Contra Angle

	CRB26LX	CRB26XX	CRB27LX	CRB27XX
OPTIC	Optic	Non-Optic	Optic	Non-Optic
GEAR RATIO	20 : 1	20 : 1	32 : 1	32 : 1
MAX.TORQUE	70N·cm	70N·cm	80N·cm	80N·cm
MAX.RPM	2,000	2,000	1,250	1,250
MIN.RPM	15	15	10	10
WEIGHT	82g	84g	82g	84g

Handpiece: TRAUS PEZ10XX

WORKING FREQUENCY	27 ± 3KHz
WEIGHT	81g

TRAUS SIP10

- BLDC motor with high performance designed by Saeshin's R & D technology
- Gear ratio : 1:5, 1:4, 1:1, 16:1, 20:1, 27:1, 32:1, 64:1
- E-type motor : TRAUS MBP10SL(SX) followed "ISO3964" for standard connection(BLDC motor - 0~40,000rpm)
- 9 program memory functions
- 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 : (Option)



Optic



OPTION

TRAUS CRB26LX / CRB27LX

Optic



Non-Optic



TRAUS CRB26XX / CRB27XX

TRAUS MBP10SL



TRAUS MBP10SX

SPECIFICATION

Control Box

INPUT	AC 100-120 V, 220-240 V
FUSE	5A / 2A
FREQUENCY	50/60 Hz
OUTPUT	230 W
MAXIMUM PUMP	Max.90 ± 20%ml / min
DIMENSIONS (mm)	W233 x D269 x H120
WEIGHT	2.8kg

Contra Angle

	CRB26LX	CRB26XX	CRB27LX	CRB27XX
OPTIC	Optic	Non-Optic	Optic	Non-Optic
GEAR RATIO	20 : 1	20 : 1	32 : 1	32 : 1
MAX.TORQUE	70N·cm	70N·cm	80N·cm	80N·cm
MAX.RPM	2,000	2,000	1,250	1,250
MIN.RPM	15	15	10	10
WEIGHT	82g	84g	82g	84g



X Implant CUBE

- BLDC motor (Speed Range 0~50,000rpm) and angle (Standard equipment 20:1) provides the optimal torque during surgery.
- Gear ratio : 1:5, 1:4, 1:1, 16:1, 20:1, 27:1, 32:1, 64:1
- 9 programmable memories for setting Speed, Torque, Rotating Direction and for the Irrigation pump
- Automatic overload protection function
- Actual RPM display describing working condition.
- Motor auto-calibration function
- Ergonomic foot control pedal
- Touch display
- Self-diagnosis function



OPTION

Button Type



Lever Type



+



FORTE 100αEI

SPECIFICATION

Contra Angle

	ACL-41I	ACL-42I	ACL-43I	ACL-45I	ACL(B)-41I	ACL(B)-42I	ACL(B)-43I	ACL(B)-45I
TYPE	Lever				Button			
GEAR RATIO	20 : 1	16 : 1	64 : 1	32 : 1	20 : 1	16 : 1	64 : 1	32 : 1
MAX.TORQUE	55Ncm	55Ncm	65Ncm	65Ncm	55Ncm	55Ncm	65Ncm	65Ncm
MAX.RPM	2,500	3,100	780	1,560	2,500	3,100	780	1,560
MIN.RPM	30	40	10	20	30	40	10	20
WEIGHT	60g	60g	64g	60g	60g	60g	64g	60g

Control Box

INPUT	AC100-120V, 220-240V
FUSE	5A / 2A
FREQUENCY	50/60 Hz
OUTPUT	230W
MAXIMUM PUMP	Max .75ml/min
DIMENSIONS (mm)	W205 x D210 x H136
WEIGHT	3.3kg

E n d o CUBE

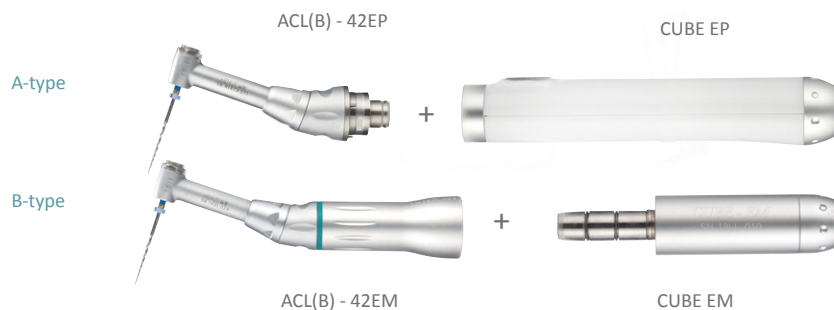
E-CUBE is an endodontic micro-motor for use in combination of Ni-Ti instruments.

This motor is to be used only in hospital environments, clinics or dental offices by qualified dental personnel.

- Auto Reverse function
- Torque control from 0.6 to 5.2 N.cm
- Gear ratio : 1:1,4:1,10:1,16:1,20:1
- 9 programs of memory
- Foot on/off switch
- Up to 5-hour battery life
- Compact designed controller provides various functions
- Consistent torque supply
- Works with battery or adapter



OPTION



SPECIFICATION

Control Box

INPUT	DC20V 1.5A
OUTPUT	DC6V
CHARGING TIME	approx.5hours
DIMENSIONS (mm)	W110 x D196 x H139
WEIGHT	582g

Contra Angle

	ACL(B) - 41EP	ACL(B) - 42EP	ACL(B) - 42EM
GEAR RATIO	20 : 1	16 : 1	16 : 1
DIMENSIONS (mm)	Ø16.7 x L63	Ø16.7 x L63	Ø19.6 x L95.2
MAX.TORQUE	5.2N·cm	5.2N·cm	5.2N·cm
MAX.RPM	650	800	800
MIN.RPM	100	120	120
WEIGHT	35g	35g	52g

Micro Motor

	CUBE EP	CUBE EM
INPUT	DC6V	DC6V
DIMENSIONS (mm)	Ø19.8 x L108	Ø19.8 x L61.7
WEIGHT	106g	116g

traus^{ENDO}

CORDLESS ENDO HANDPIECE

- Simple interface designed for easy control
- No space limitation during operation
- Optimized Design for user Interface
- Ergonomic and compact body
- Suitable for use with most major brands of Ni-Ti files



<Endo mode>

- RPM: 100~600 RPM
- Torque: 1~4N.cm
- Gear Ratio: 16:1, 20:1
- Rotation Mode: 1, 2

<Program function>

- 5 memory programs : Gear Ratio, Torque, RPM, Direction mode can be set.

<Setting torque limit function>

- Once actual torque exceeds the preset torque, the file automatically runs reverse and turns to forward rotation again once load released.

<Rotation mode>

- Users can choose Auto-rotation mode according to operation condition.

Mode 1: Once actual torque is over the preset torque, the file moves in reverse rotation. After removing the load, it stops.

Mode 2: : Once actual torque is over the preset torque, the file runs reverse automatically and it turns forward rotation again once load released.

<Auto-OFF function>

- Powers off with “Beep” sound after 4 minutes when not operating.

SPECIFICATION

Charger (TRAUS XEW10)

RATED VOLTAGE	AC100-240V 50/60Hz
OUTPUT	DC4V
CHARGING TIME	approx.2.5hours
USING TIME	approx.8.5hours

Motor Handpiece(TRAUS MCE10XX)

Rotation Speed (min)	Gear Ratio	Torque Level (Ncm)
200~900	10 : 1	1.0 - 2.0
100~600	16 : 1	1.0 - 4.0
100~600	20 : 1	1.0 - 4.0
RATED VOLTAGE	2.5 V	

Contra Angle

	ACL(B) - 41EP	ACL(B) - 42EP
GEAR RATIO	20 : 1	16 : 1
WEIGHT	35g	35g

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/cm ²)]	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)



► TRAUS MBP10SX (40K)



► FORTE 100αEI (50K)



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)

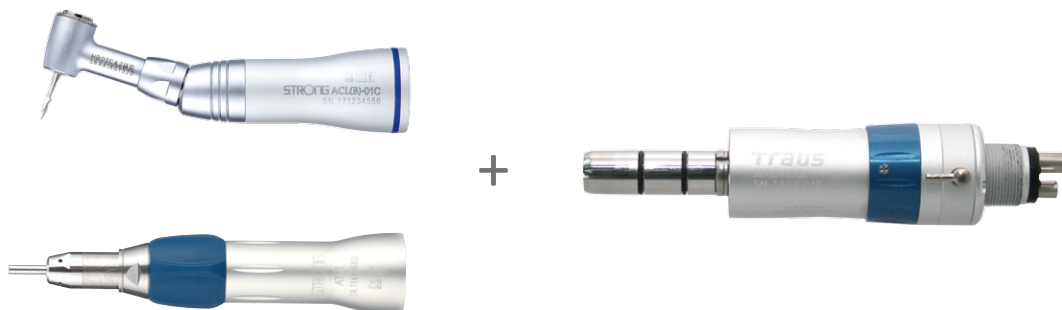


1:1 Straight & Contra angle



Air Motor + 3Package

► TRAUS MRD10NN + ACL(B)-01C + AT-I

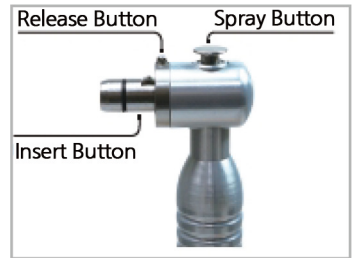
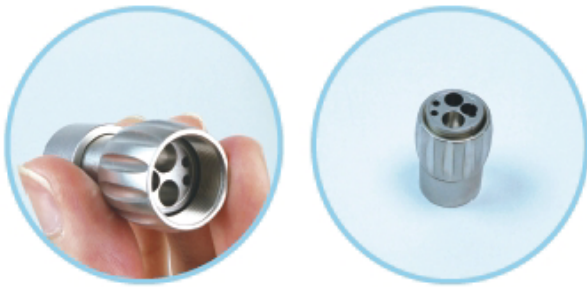


Portable Package



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



- When SIMPLIS fastens to a handpiece, it prevents the handpiece from blowing away



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

<Option>



SIMPLIS Grip



Spray Holder



Grip Holder



High-speed Adapter

Magic Cleaner Connector

Handpiece Cleaner

- Works on implant contra angle, Endo, High Speed Handpieces (QD, PTL, KAVO, W&H)
- Provides extends life to the Handpiece
- Removes saline, blood-strain and old oil



Handpiece Cleaning Nozzle

- SMC-IMPL



- SMC-E



- SMC-NQDH



- SMC-WH



- SMC-KH



- SMC –NHPTL



ACCESSORIES

- Hanger



- Motor Stand A



- Irrigation Tube



- Y-Connector



- Motor Cap



- Spray Nozzle A



- Torque Wrench



- Tip Holder



- E-CUBE Adapter



- Foot Pedal Cord
X-CUBE
Cord Length
: 3m



- Motor Stand B



- Tube Holder



- Tube Clip



- Spray Nozzle C



- Spray Nozzle B



- Foot Hanger
& Joint Cap



- Surgical Tray



- E-Type Motor Cord
Cord Length : 3m



- Foot Pedal Cord
TRAUSIP10
Cord Length
: 3m



- Oil Spray



- Spray Nozzle





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