



Mahdi

Mahdi Trading Co.

Dental, Jewelry, Cosmetic

SURGICAL 2016



SAESHIN

بازرگانی مهدی

نماینده انحصاری محصولات
سای شین کره جنوبی در ایران



Traus SUS10

Ultrasonic + Implant Dual Engine Stable and Powerful Output

This ultrasonic surgical equipment is designed for osteo plastic amputation and including dental implant surgery.



HANDPIECE OPTION



PRODUCT SPECIFICATION

C/B

INPUT	AC100-120V, 220-240V
FUSE	5A / 2A
FREQUENCY	50/60 Hz
OUTPUT	48VA
MAXIMUM PUMP	Max.90 ± 20%ml
DIMENSIONS(MM)	W348 x D276 x H143
WEIGHT	3.6kg

H/P

	CRB26LX	CRB27LX
GEAR RATIO	20 : 1	32 : 1
WEIGHT	82g	82g
OPTIC	Optic	Optic
TORQUE	55Ncm	65Ncm

H/P: TRAUS PEZ10XX

WORKING FREQUENCY	27 ± 3KHz
ULTRASONIC OUTPUT	22 ± 3VA
WEIGHT	81g



Ultrasonic

- TRAUS XUS10 facilitates the surgeon's work: thanks to innovative ultrasound technology, only bone substance is resected with high precision. The surrounding soft tissue remains uninjured.
- Own piezo technology enables optimized performance with powerful output
- Bone heating is avoided or minimized by injecting saline water at Max. 90ml/min speed.
- TRAUS XUS10 make various operation easy including Crestal approach, Sinus lift Ridge expansion, Bone harvesting, Bone craft, window open, and many others.
- Multifunctional and ergonomic foot switch design
- You can easily operate handpiece and saline water supply with the foot switch.
- Simple and modern design
- Minimized bone heating

Implant

- BLCD motor (Speed Range 0~ 40,000rpm) and Angle (Standard equipment 20:1/ 32:1) provide the optimum torque in surgery.
- 9 Programs memory function
- Automatic overload protection function
If the load on the bur is higher than preset torque, the motor stops automatically and shows Error on the display.
- Actual RPM and Torque display function
- Motor Auto-calibration function

LCD window



1. Irrigation volume display
2. Program number display
3. Gear ratio display
4. Direction display
5. Speed display
6. Optic display (ver. Optic)

7. Torque display
8. Output intensity display
9. Scan display
10. Error display
11. Boost display
12. Clean/Remedy display

TRAUS SIP10

- BLDC motor with high performance designed by Saeshin's own high technology and know-how
- 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 programs memory function
- Automatic overload protection function
- Indication of actual RPM and torque on operating for proper working condition
- Motor auto-calibration function
- Ergonomic foot controller
- Optic function : (Option)



HANDPIECE OPTION



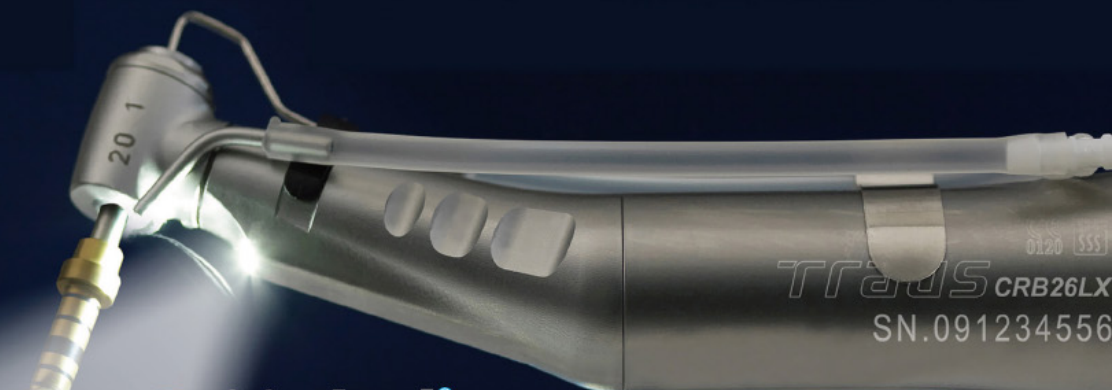
PRODUCT SPECIFICATION

C/B

INPUT	AC100-120V, 220-240V
FUSE	5A / 2A
FREQUENCY	50/60 Hz
OUTPUT	Max : 120W
MAXIMUM PUMP	Max.90 ± 20%ml
DIMENSIONS(MM)	W233 x D269 x H120
WEIGHT	2.8kg

H/P

	CRB26LX	CRB27LX
GEAR RATIO	20 : 1	32 : 1
WEIGHT	82g	82g
OPTIC	Optic	Optic
TORQUE	55Ncm	65Ncm

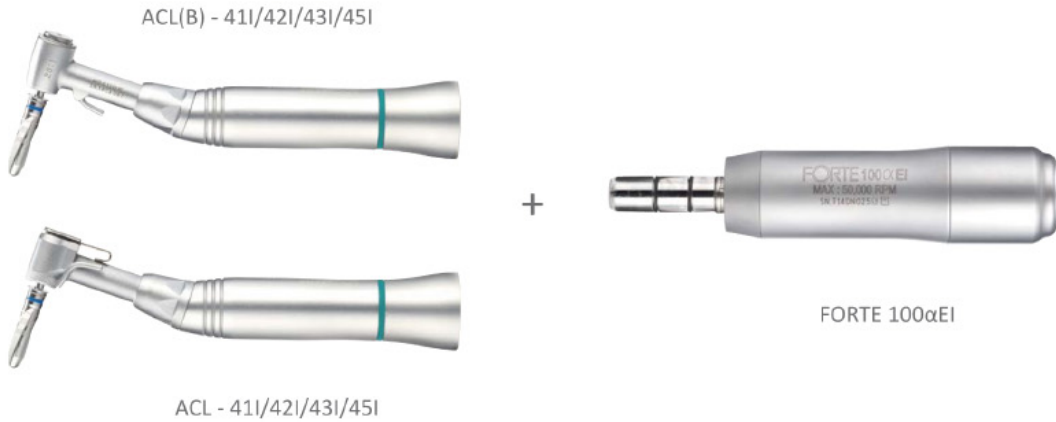


X Implant CUBE

- BLDC motor (Speed Range 0~50,000rpm) and angle (Standard equipment 20:1) provides the optimum torque in 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 Irrigation pump
- Automatic overload protection function
- Actual RPM display for user's working condition.
- Motor auto-calibration function
- Ergonomic foot control pedal
- Membrane touch display
- Self - diagnosis function



HANDPIECE OPTION



PRODUCT SPECIFICATION

H/P

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

C/B

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



E n d o E CUBE

E-CUBE is an endodontic micromotor to drive NiTi instruments. This motor has 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
- Foot on/off switch
- Up to 5-hour battery life
- Compact designed controller including various function
- Stable torque supply
- Operation available with battery or adapter



HANDPIECE OPTION



PRODUCT SPECIFICATION

C/B

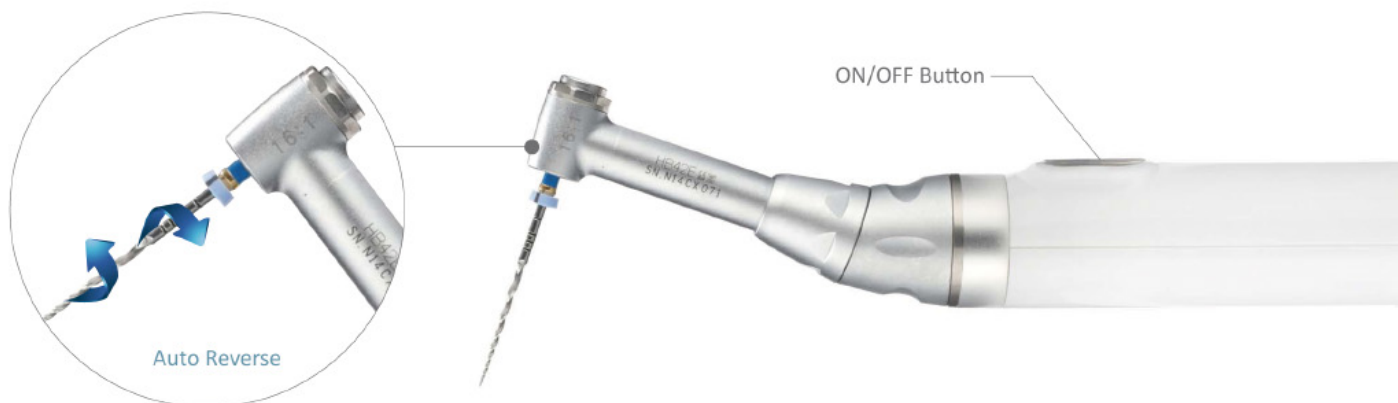
INPUT	DC20V 1.5A
OUTPUT	DC6V
CHARGING TIME	approx.5hours
DIMENSIONS(MM)	W110 x D196 x H139
WEIGHT	582g

H/P

	ACL(B) - 41EP	ACL(B) - 42EP	ACL(B) - 42EM
GEAR RATIO	20 : 1	16 : 1	16 : 1
WEIGHT	35g	35g	52g
DIMENSIONS(MM)	∅16.7 x L63mm	∅16.7 x L63mm	∅19.6 x L95.2mm
RPM	650	812	812
TORQUE	5.2Ncm	5.2Ncm	5.2Ncm

MICRO MOTOR

	CUBE EM	CUBE EP
INPUT	DC6V	DC6V
DIMENSIONS(MM)	∅19.8 x L61.7mm	∅19.8 x L108mm
WEIGHT	116g	106g



TRAUS ENDO

CORDLESS ENDO HANDPIECE

- Simple interface design for easy control
- No space-limitation for operation
- Optimized Design for user Interface.
- Ergonomic and compact body



<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 of (Gear Ratio, Torque, RPM, Direction mode) are available to set.

<Setting torque limit function>

- Once actual load on the file is higher than preset torque, it stops working automatically.

<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>

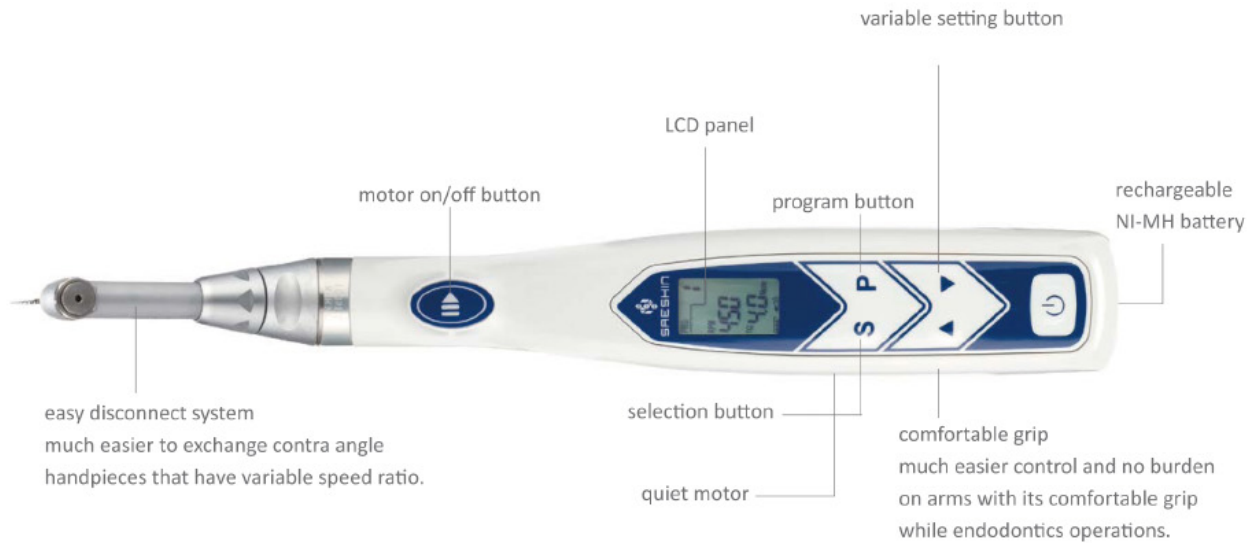
- Power is off with "Beep" sound after 4 minutes without operation.

Suitable for use with the most major brands of Ni-Ti files

Rotation Speed (min)	Gear Ratio	Torque Level (Ncm)
550~2000	4 : 1	0.1 - 1.0
200~900	10 : 1	0.2 - 2.0
140~550	16 : 1	0.3 - 3.0
100~450	20 : 1	0.4 - 4.0



PRODUCT SPECIFICATION



PRODUCT SPECIFICATION

Charger (TRAUS XEW10)

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

Motor Handpiece(TRAUS MCE10XX)

RATED VOLTAGE	DC4V
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ANGLE

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

RPM and Torque value at Gear Ratio 20:1

- RPM: min. 100rpm ~ max. 600rpm
- Torque (Ncm): min. 1Ncm ~ max. 4Ncm
- Using time is depends on operating condition.

Air Motor

▶ **TRAUS MRD10NN**

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

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 for various angles in accordance with ISO standard
- Sealed type for water-proof during the sterilization
- The fixing pin helps the exact fitting between the E-type motor and angle handpiece without movement.

▶ **TRAUS MBP10SL (40K) - Optic**



▶ **TRAUS MBP10SX (40K)**



▶ **FORTE 100αEI (50K)**



Carbon Brush E-Type sealed motor

▶ **STRONG 108EI (40K)**



Carbon Brush E-Type motor

- Available for various angles in accordance with ISO standard

▶ **STRONG 108NE (40K)**



▶ **STRONG 108E (35K)**



1:1 Straight & Contra angle



Air Motor + 3Package


▶ TRAUS MRD10NN + ACL(B)-01C + AT-I



Portable Package



MAINTENANCE & PARTS

<ul style="list-style-type: none"> • Hanger 	<ul style="list-style-type: none"> • Motor stand A 	<ul style="list-style-type: none"> • Motor stand B 	<ul style="list-style-type: none"> • Tube Holder 
<ul style="list-style-type: none"> • Irrigation tube 	<ul style="list-style-type: none"> • Y-Connector 	<ul style="list-style-type: none"> • Tube Clamp 	<ul style="list-style-type: none"> • Internal spray nozzle C 
<ul style="list-style-type: none"> • Motor cap for autoclave 	<ul style="list-style-type: none"> • Internal spray nozzle A 	<ul style="list-style-type: none"> • Internal spray nozzle B 	<ul style="list-style-type: none"> • Foot Hanger & joint cap 
<ul style="list-style-type: none"> • Torque wrench 	<ul style="list-style-type: none"> • Tip holder 	<ul style="list-style-type: none"> • Surgical tray 	<ul style="list-style-type: none"> • E-TYPE motor cord E-type motor cord Length : 1.7m 
<ul style="list-style-type: none"> • E CUBE adapter 	<ul style="list-style-type: none"> • Foot control cord X-CUBE Length : 1.7m 	<ul style="list-style-type: none"> • Foot control cord TRAUS SIP10 Length : 1.7m 	<ul style="list-style-type: none"> • Lubrication Oil Spray 

کلیه محصولات مندرج در این بروشور شامل یک سال گارانتی و ده سال خدمات پس از فروش MT SERVICE تحت نظارت شرکت بازرگانی مهدی می باشند. جهت کسب اطلاعات بیشتر به وب سایت www.mtco.ir مراجعه بفرمایید.



MT SERVICE
10th Anniversary
X-CUBE Traus

ضمانت نامه
موتورهای جراحی و ایمپلنت تراوس
و ایکس کیوب کره جنوبی

• موارد زیر شامل گارانتی نمی شود:

- خسارت وارد شده ناشی از سوءاستفاده
- آبروی و آلودگی در اثر جابجایی و حمل
- خرابی ناشی از هرگونه ضربه و دستکاری در دستگاه (به تشخیص کارشناسی مرکز خدمات)
- خرابی ناشی از در معرض قرار گرفتن یا ریختن هرگونه مایع روی دستگاه

• به موارد زیر توجه بفرمایید:

- این شرکت هیچگونه مسئولیتی در قبال خسارت ناشی از اطلاعات کامل و غیر واقعی ندارد.
- شعاع سرویس درج شده روی کارتن و جعبه دستگاه است. جهت خرید در این خدمات، فرمایید.
- ارائه کارت خدمات و فاکتور خرید جهت خرید در این خدمات، الزامی است.

مورد نصب: سرویسگاه

مدل دستگاه:

TRAUS, SUS 10
 TRAUS, SIP 10
 X-CUBE
 E-CUBE
 TRAUS, Wireless endo

سرویسکار (B.U.R):

مدل: BLDG Motor, Charger, C.B

تاریخ شروع گارانتی:

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SAESHIN CE FDA ISO 9001



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