SIGER

SIGER

Passion
on dentistry

Company Profile

Zhuhai Siger Medical Equipment Co., Ltd is a professional company dealing with R&D and manufacturing of clinical dental equipments. Tens of scientific results have been approved as national patents, by those SIGER manufactured the every first fully digitally controlled dental unit in China, which reaches the leading international technological standard and fills the domestic gap. Since its founding in 2005，Siger has been continuously investing in R & D and keep developing new products. In the face of fierce competition in the globalized market, on one hand, Siger keeps the technological leadership of existing products. On the other hand, it enriches the production line to provide more choices for the customers, such as operating light, ultrasonic scaler, painless periodontal treatment device, intraoral X-ray unit and autoclave.

SIGER has obtained ISO9001 certificate and CE certificate.Its products have been fully recognized and highly valued by the professionals and users from home and abroad. At present, large quantities of SIGER dental units has been installed and used in a lot of specialist hospitals in China and exported to 60 nations and districts globally. SIGER is doing really well especially in the high end market of West Europe.

CNC Machining Center

Yiwei is a large-scale CNC machining center under Siger Medical, with a total area of more than 3,000 square meters. There are dozens of advanced CNC machining equipments and nearly 40 professional workers in the CNC machining base.

CNC sheet bending machine

CNC machining center
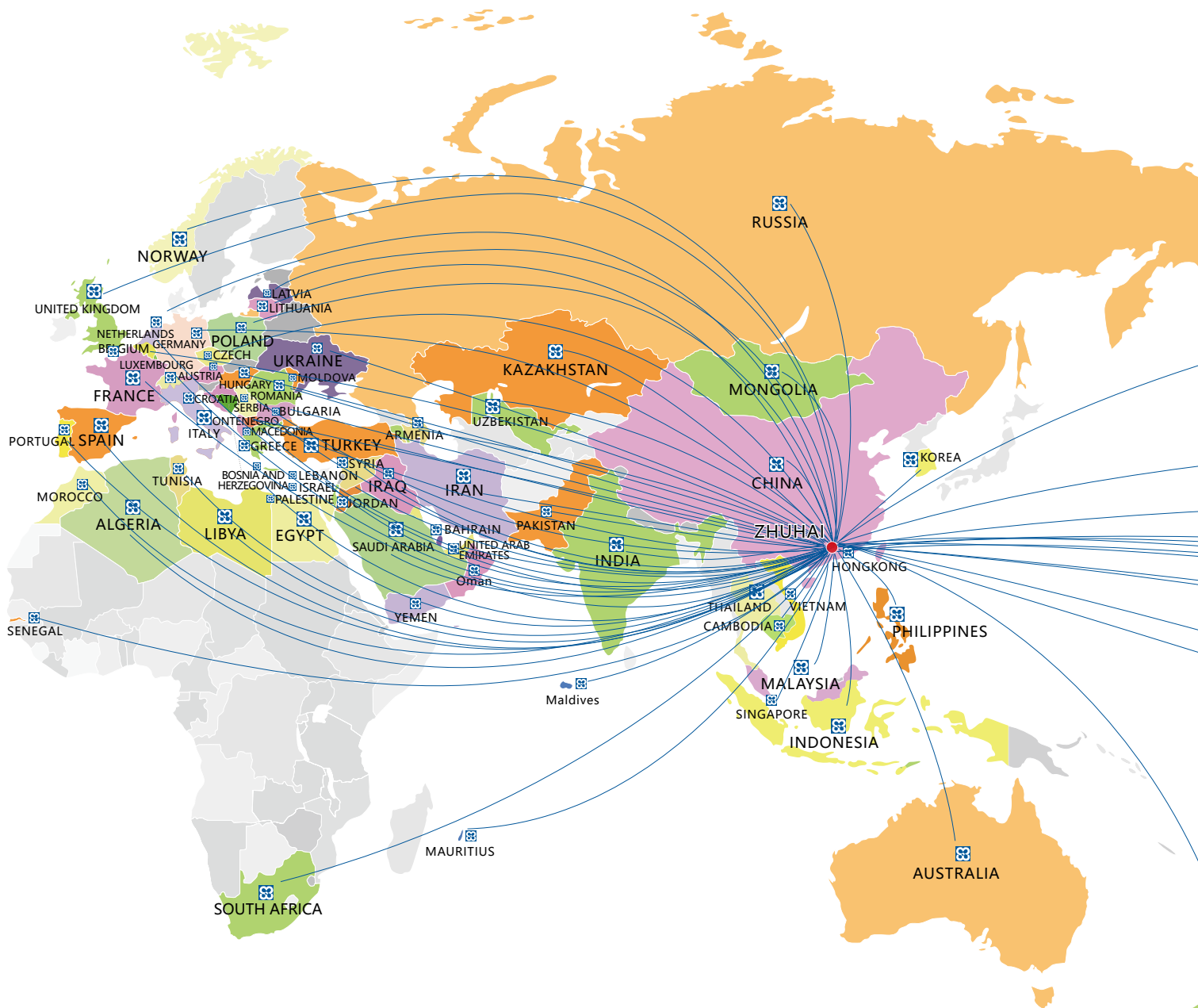
Automatic welding robot

Laser cutting machine

Along with the establishment of CNC machining base,
⊕ The quality of metal parts with standardized production is stable.
⊕ The metal parts are much precise.
⊕ Working efficiency is greatly improved.

Sales Network

Map labels:
RUSSIA
NORWAY
UNITED KINGDOM
LATVIA
LITHUANIA
NETHERLANDS
BELGIUM
GERMANY
POLAND
CZECH
LUXEMBOURG
AUSTRIA
UKRAINE
MOLDOVA
FRANCE
HUNGARY
CROATIA
ROMANIA
SERBIA
MONTENEGRO
BULGARIA
KAZAKHSTAN
MONGOLIA
ITALY
MACEDONIA
ARMENIA
UZBEKISTAN
PORTUGAL
SPAIN
GREECE
TURKEY
KOREA
TUNISIA
BOSNIA AND HERZEGOVINA
LEBANON
ISRAEL
SYRIA
IRAQ
IRAN
CHINA
MOROCCO
PALESTINE
JORDAN
PAKISTAN
ZHUHAI
ALGERIA
LIBYA
EGYPT
BAHRAIN
UNITED ARAB EMIRATES
SAUDI ARABIA
INDIA
HONGKONG
Oman
SENEGAL
YEMEN
THAILAND
VIETNAM
PHILIPPINES
CAMBODIA
Maldives
MALAYSIA
SINGAPORE
INDONESIA
MAURITIUS
AUSTRALIA
SOUTH AFRICA

SIGER's products have launched into more than 70 countries and regions all over the world.

CANADA

UNITED STATES

MEXICO

GUATEMALA
NICARAGUA
COSTA RICA
PANAMA

COLUMBIA

ECUADOR

PERU

CHILE

ARGENTINA

NEW ZEALAND
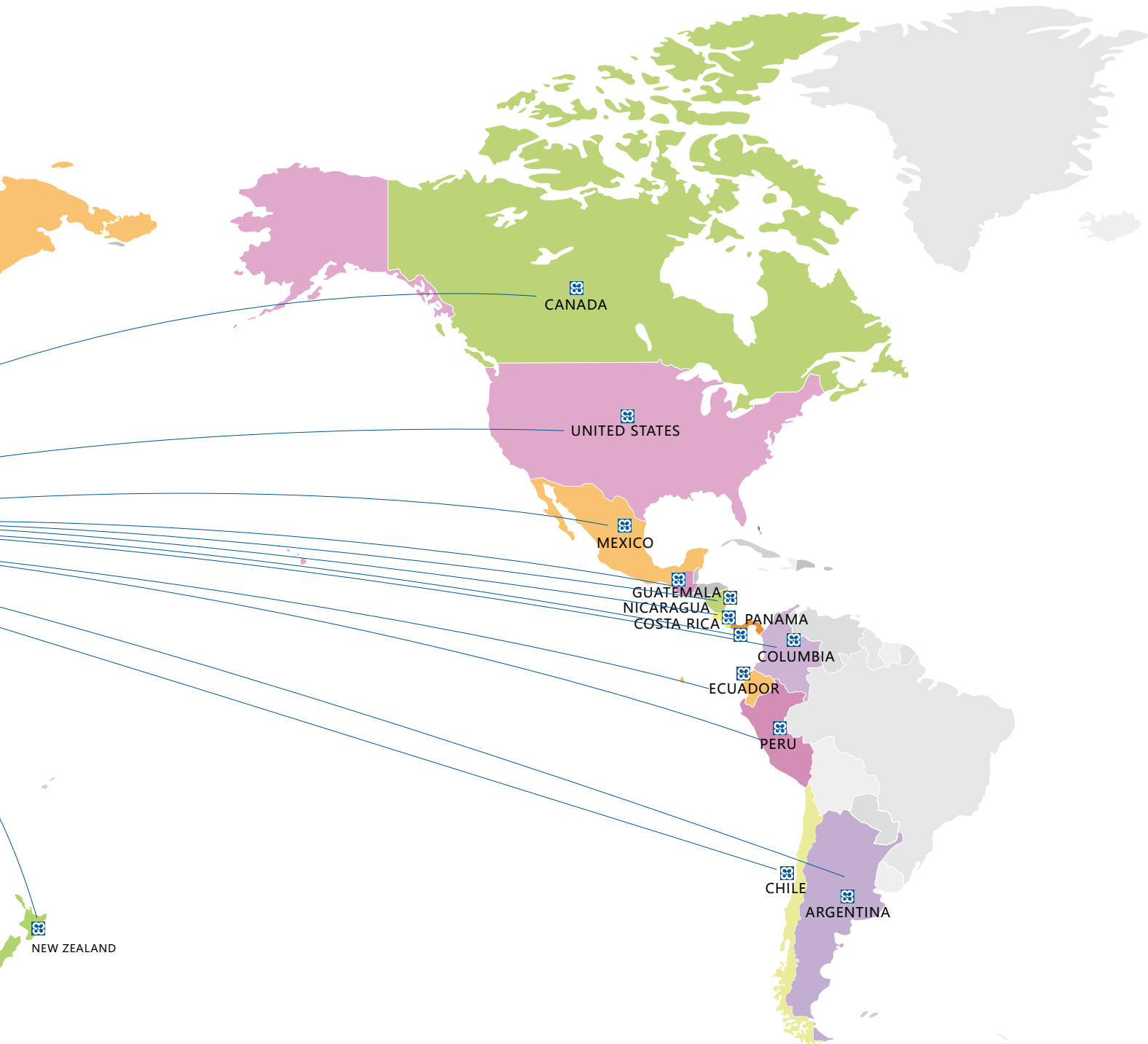
Dental Unit

S90

Digital control technology makes work easier

⊕ 18-key touch control panel.
⊕ Accurate control of the instrument.
⊕ Standard configuration of BIEN-AIR MCX brushless micromotor.

Three sets of working programs for three user.

Accurately control the micromotor.

High quality parts

⊕ High quality PA internal tubing.
⊕ Danish LINAK motor.
⊕ ABS engineering plastics, injection molding process.

SIGER

12-level height adjustment of assistant element.

Aluminum casting backrest

Italian solenoid valve

S30

Combination of practicality and technology

⊕ Intelligent linkage program by only one button to control cup filling, bowl rinsing, chair position and operating light on/off.

⊕ Anti-suction system of dynamic instrument to reduces iatrogenic infection.

⊕ Multifunctional foot pedal for chair position adjustment, handpiece chip blow and dynamic instrument working control.

Fast connection system for dynamic instruments.

Danish LINAK motor.

SIGER

Cost-effective choice

⊕ Simulating control technology, enhanced functionality.Touch control panel.
⊕ Instrument interlock: When one instrument is working, the others are locked safely to prevent accidental injuries and improve work efficiency.
⊕ Ergonomic design and patient chair movement protection.

On/Off of all the dynamic instruments can be controlled by the photoelectric sensors.

Patient chair with scientific linkage design.

U100

Steble Reliable Hygiene

⊕ 90° rotatable hydro group.

⊕ Sensor adjustment for operating light.

⊕ Removable silicon pad of instrument table for cleaning and sterilization.

Detachable ceramic spittoon for cleaning.

Detachable cup filler for cleaning.

Detachable suction system for cleaning.

V5000

Humanized design to meet different clinical needs

⊕ Cup filling sensor is upgradeable.
⊕ LED V1 Operating Light with sensor.
⊕ The upholstery of the dental chair are made of microfiber leather, high-grade and comfortable.
⊕ Wireless foot control is optional.

Bigger tray T2(40*30cm) is upgradeable.

Rotary upper tray T3 is upgradeable.

V2000

Efficient & convenient

⊕ 11 key touch control panel for assistant element.

⊕ Instrument holder with photoelectric sensors is easy to clean.

⊕ 90°rotatable assistant element help the nurses to work conveniently.

On/Off of all the dynamic instruments can be controlled by the photoelectric sensors.
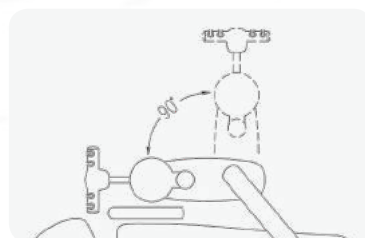
Air break switch can easily adjust and lock the height of the instrument table.

People-centered and economical

⊕ 16 buttons touch control panel for instrument table can provide 5 preset memory positions.

⊕ Intelligent linkage program by only one button to control cup filling, bowl rinsing, chair position and operating light on/off.

⊕ Multifunction foot control.

LED V2 Operating Light with sensor.

Assistant Element.

Large Instrument Table

Simulating control system

Pneumatic control system

⊕ Large Instrument Table ，Large instrument table can be placed three trays, which can meet the needs of doctors and nurses to place a great number of instruments at the same time.

⊕ Foldable instrument rack is beautiful and greatly convenient to use.

⊕ The water pipe is separated from the circuit to reduce the failure rate.

⊕ Optional Fast connection system for dynamic instrument provides great convenience for disassembling the pipes, cleaning and disinfection.

Optional Tubing Flushing And Disinfection System

Regular flushing/disinfection for the dental chair water pipes

⊕ Prevent biofilm formation on the pipes wall.
⊕ Reduce the risk of iatrogenic cross-infection.
⊕ Ensure the health and safety.

Disinfection tray

Automatic switch of disinfectant/working water

Disinfection tray

⊕ Automatic switch of disinfectant/working water.

Specific holes for putting handpieces and syringes

Specific holes for putting handpiece tubings
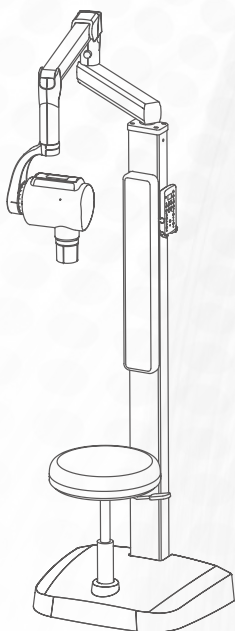
Disinfectant storage tank
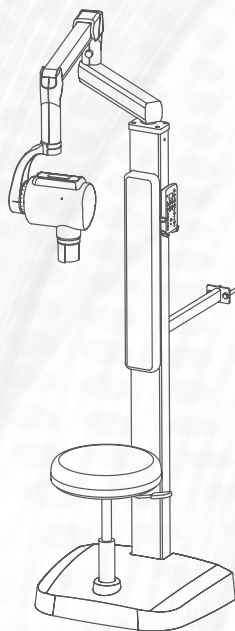
Inspection window

SIRAY PLUS

(Floor-mounted)

⊕ The cross arm allows 360 degrees rotation and easy positioning.
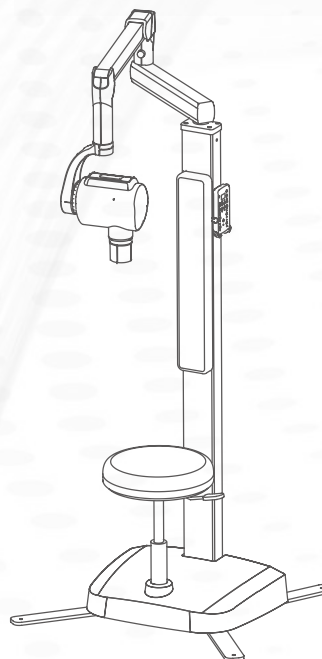⊕ Lifting patient chair is well-designed and comfortable.

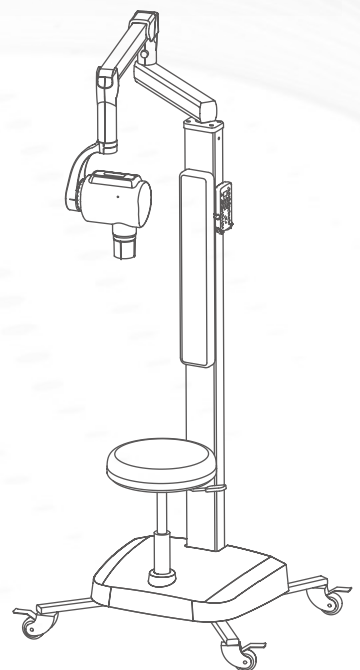▷ Four mounting methods are available according to actual clinic environment

| Floor-mounted | Wall-mounted | Floor Stand | Mobile Stand |

▷ High frequency DC constant voltage control technology

Compared to power frequency technology:

⊕ Better image quality.
⊕ Compared to traditional AC generators, it greatly reduces the radiation dose.

⊕ Extend the service life of the X-ray generator.
⊕ The amount of radiation output is not affected by voltage fluctuations.

▷ Scientific design of X-ray tube head

⊕ Unique ergonomic design makes it convenient to move and easy for cleaning.
⊕ Scientific weight ratio makes sure the smooth rotation and positioning without drifting.
⊕ Scale for the cone angle makes the positioning easy and accurate.

▷ High quality image

⊕ Advanced high frequency and constant voltage DC generator.
⊕ Canon DC X ray tube.
⊕ Focal spot of 0.7mm delivers sharp images with optimal details.
⊕ The selectable kV values (60kV / 70kV) and mA values (4mA / 7mA) provide excellent image for diagnosis and research.

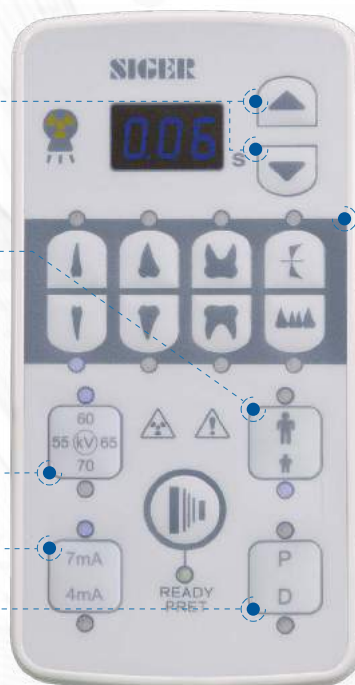## ▷ The combination of convenience and personalization

◉ The exposure time can be adjusted between 0.02 and 3.2 seconds.

◉ Adult/child mode selection key is available.

◉ 55kV, 60kV, 65kV and 70kV anode pressure is selectable.

◉ 4mA and 7mA anode current is selectable.

◉ Film-based mode, phosphoric mode and digital imaging mode selection key is available.

8 preset programs can be chosen quickly according to the type of teeth.

◉ Maxillary anterior and mandibular anterior programs
◉ Maxillary premolar/canine and mandibular premolar/canine programs
◉ Maxillary molar and mandibular molar programs
◉ Maxillary occlusal and mandibular occlusal programs
◉ Bite-wing program

⊕ Optional remote control

CONTROL PANEL

SIRAY

(Wall-mounted)

▷ Humanized design of support arm

⊕ Accurate positioning is a prerequisite for high-quality images.

⊕ SIGER SIRAY support arm with a new optimal design make sure of smooth and flexible movement and stable positioning, which brings pleasure experience for operator.

Digital Dental Cr Imaging System TR-100

SIRAY Max

SIRAY Mia

▷ Humanized design

⊕ The exposure time can be adjusted between 0.02 ～ 2.00S.

⊕ High capacity battery, continuous exposure for 300 times after full power storage.

⊕ Exquisite and compact appearance, easier to handle.

⊕ 1.9kg light weight design, more comfortable to hold.

⊕ Build-in overheat protection procedure, effectively protect the tube.

⊕ Several languages are optional for operation interface.

▷ Convenient imaging options

⊕ Adult/child mode is selectable.

⊕ Tooth type exposure program is selectable.

⊕ The exposure time can be adjusted and memorized.

⊕ Film-based mode、CR and digital imaging mode selection key is available.

▷ High quality image

⊕ Advanced high frequency and constant voltage DC generator.

⊕ Canon DC X-ray tube.

⊕ 0.4MM focal point, clearer image.

⊕ 2mA tube current and 70kV tube voltage to guarantee stable imaging quality.

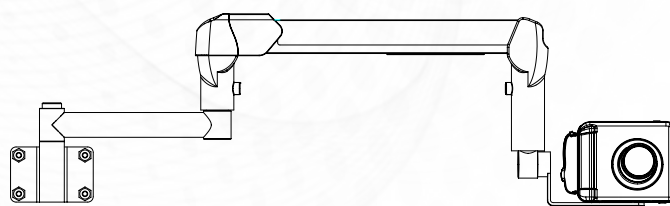## ▷ Clear and sensitive operation interface

▷ Wall mounted

⊕ SIRAY Max Touch screen   ⊕ SIRAY Mia Key screen

Class B Steam Sterilizer

EGO / AMI / Accessories
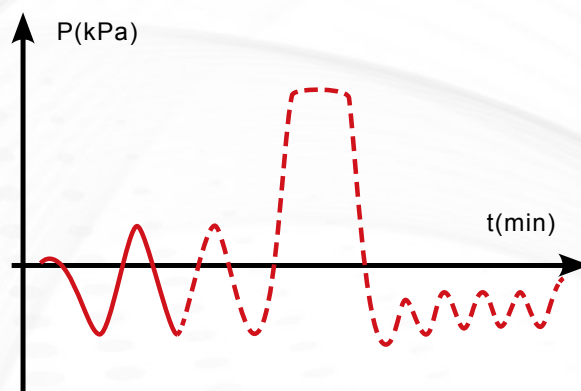
EGO-17B

EGO-17B⁺

> ▷ Sterilization cycle with high performance and reliability

⊕ European Class B standard model, with 3-stage pre-vacuum process.

P(kPa)

t(min)

⊕ HAFC system (Hot Air Forced Circulation) improves the dry efficiency significantly;

⊕ Unique air-water separating system enhances system efficiency and reliability;

⊕ High-speed process-controller and the special hydraulic circuit allows the autoclave to perform a Quick Class-B cycle in only 20 minutes;

⊕ Unique steam diffusing solution ensures an evenly heating up inside the sterilization chamber;

⊕ Original POST-DRY program delivers extra-dry and cool instruments even without opening the door;

⊕ THT process validation system monitors the temperature and pressure in real time, thus ensures the validity of the sterilization;

⊕ Auto-start Cycle enables the doctor to start a cycle at any specific date/time;

⊕ 5 sterilization cycles available: Universal B, Quick B, Quick S, Gentle B and Prion;

⊕ 4 test programs onboard: B&D test, Helix test, Vacuum test and Water Quality test;

⊕ Universal RS-232 serial port allows the user either to connect the autoclave to a label printer, or to a PC to monitor and test the validation of the sterilization cycles.

EGO-23B

EGO-23B+

▷ Excellent traceability

⊕ Onboard printer automatically prints the sterilization data and result at the end of each cycle;

⊕ Universal USB port allows the user to download and store the sterilization record with memory stick;

⊕ Barcode label printer (optional) ensures the identification and traceability of every single sterilization pack;

▷ Ergonomic design

⊕ Color touch screen with excellent sensitivity,showing the data of the sterilization, cycle progress and errors in real time.

⊕ 5L built-in clean water tank allows the user to perform 10 sterilization cycles;

⊕ Built-in water sensor and built-in float switch.

⊕ Automatic and manual waste water discharge solution is optional.

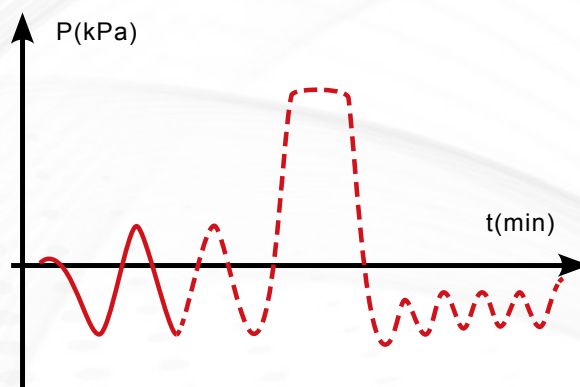⊕ EGO 17B+, EGO 23B+ are our servo-assisted electric door model, easy and extra-safe.

AMI

AMI-17B

AMI-23B

▷ Sterilization cycle with high performance and reliability

⊕ European Class B standard model, with 3-stage pre-vacuum process.

P(kPa)

t(min)

⊕ A special vacuum pump with cooling system can improve the performance of vacuum.
⊕ Unique air-water separating system enhances system efficiency and reliability.
⊕ Unique steam diffusing solution ensures an evenly heating up inside the sterilization chamber.

▷ Excellent traceability

⊕ Universal USB port allows the user to download and store the sterilization record with memory stick.

⊕ Built-in printer automatically prints sterilization data and results after each sterilization process.

▷ High-quality component

⊕ The pressure sensor from the USA makes sure the cycle is safe and reliable.

⊕ The advanced ST CPU supports the powerful function of the sterilizer.

▷ Easy door adjustment

⊕ The adjustment of the door-tight can be easily performed in 5 seconds.

▷ Hygienic and practical water tank design

⊕ The capacity of water tank is over 5 liters, which allows the autoclave to perform about 11 sterilization cycle.

⊕ Separate tank for used water and distilled water can avoid water contamination .

⊕ A fully open distilled water tank is inspectable and easy for cleaning and disinfection.

▷ User friendly

⊕ It is simple to select the sterilization cycle through the intuitive graphical button.
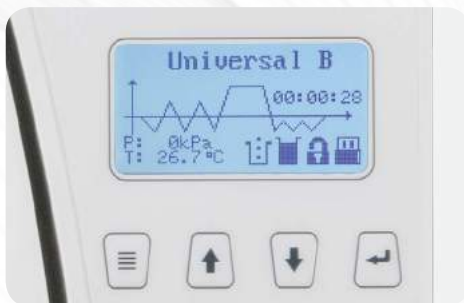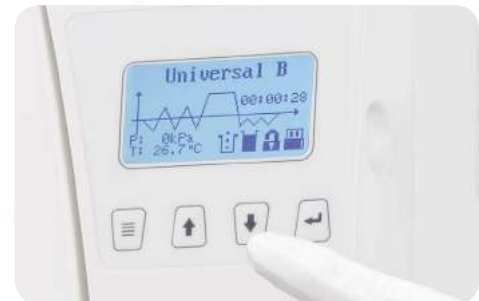
⊕ It is easy to read the pressure curve in real time during the cycle from the high-brightness LED digital display.

▷ **Accessories**
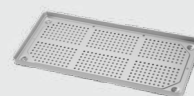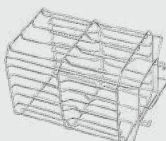
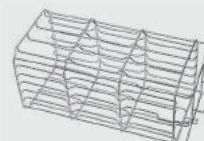> Sterilizer Tray Handle
> For taking out the Trays.

17L Trays
Dimension : 287x186x17mm
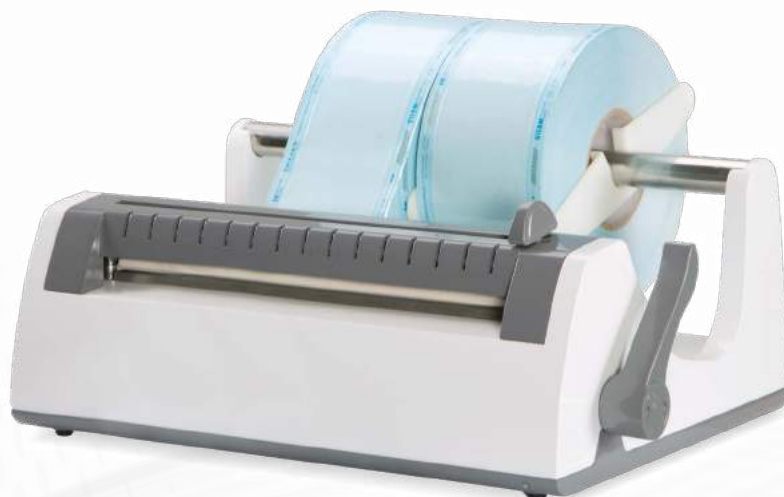
23L Trays
Dimension : 410x186x17mm

17L sterilization rack
Space between each layer : 42mm/26mm
Dimension : 320x200x200mm

23L sterilization rack
Space between each layer : 42mm/26mm
Dimension : 410x200x200mm

⊕ Rotate the sterilization rack to contain 3 regular trays or 5 regular trays.

Sealing Machine

▷ Excellent performance

⊕ The special heater makes the sterilization bag evenly heated and has good sealing performance.

⊕ The 12mm sealing band makes a stronger seal.

⊕ Built-in stainless steel blade makes a flat cutting.

▷ Better using experience

⊕ The integrated design of the sealing machine is firm and stable.

⊕ The optimized design of roller shaft makes the sterilization bag rolls smoothly.

⊕ Bi-directional handle provides comfortable operation.

▷ Easy machine maintenance

⊕ Simple blade replacement saves maintenance costs.

⊕ The clamp can be adjusted at any time to achieve a good sealing effect.

⊕ The ASA plastic cover is not easy to age and discolor .

▷ Ergonomic design

⊕ Our PCB of sealing machine is programmed to standby when it is not used for half an hour, which makes it safe and avoids wasting electricity.

⊕ Optional tray layer with silkscreen graduated scale helps to pack multiple bags at the same time and get the dimension of the sealing bags.

⊕ 34cm wide operation port can meet the needs of sealing various sizes of sterilization bags.

▷ Options of Sterilization Paper Roll

⊕ To pack the dedical equipments for sterilization.

⊕ Dimension :
   75mmx100m
   100mmx200m
   250mmx100m

Painless Periodontal Treatment Device

NP Compact / NP Pro / NP I

▶ Perfect Combination of Efficiency and Comfort

- ⊕ Advanced smart cruise system
- ⊕ Automatic frequency tracing
- ⊕ Real-time feedback of load
- ⊕ On time power compensation

Traditional scaler-high power

SIGER periodontal treatment device-high power

X-Horizontal stroke (μm)

X-Horizontal stroke (μm)

Unload
100g
200g

Z - 纵向震动 (μm)
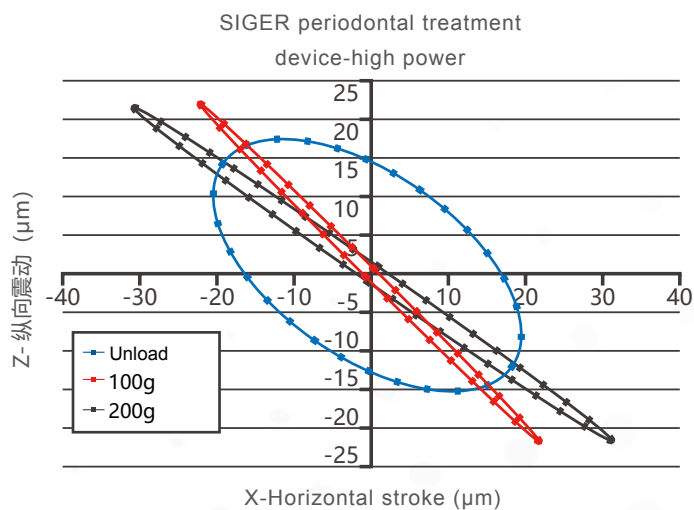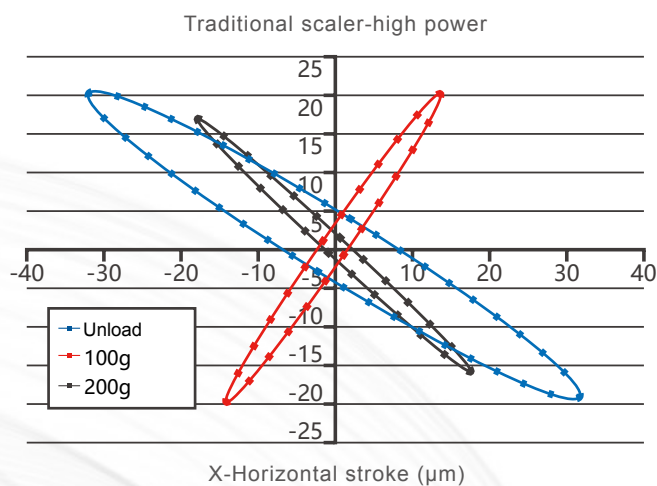
▶ Before and after treatment

- ⊕ Less pain treated by SIGER periodontal treatment device.

Treated by traditional ultrasonic scaler

Treated by Siger periodontal treatment device

- ⊕ Elliptical stroke pattern.
- ⊕ 30 HRC medical titanium tip, low hardness and less injure.
- ⊕ Frequency: 32KHz.
- ⊕ Vibration Amplitude: 20-90μm.
- ⊕ Treatment depth reaches 14mm.

NP Compact

- ⊕ Advanced smart cruise system.
- ⊕ Scaling, Perio and Endo function.
- ⊕ Two kinds of water supply system.
- ⊕ Multifunction touch panel.
- ⊕ Fault indication.
- ⊕ LED lightening mode optional.
- ⊕ Leak-proof water tank design, easy operation.
- ⊕ Handpiece holder with lock button, anti-maloperation.

Professional perio and endo treatment kit:

| Periodontal handpiece PL200*1 | E1×2 | E2×2 | G1×2 | G2×2 | P50LT×2 | P50RT×2 | P52T×2 | P56T×2 | P59T×2 |

NP Pro

- ⊕ Advanced smart cruise system.
- ⊕ Multifunction touch panel.
- ⊕ Fault indication.
- ⊕ LED lightening mode optional.
- ⊕ Leak-proof water tank design, easy operation.
- ⊕ Handpiece holder with lock button, anti-maloperation.

Professional periodontal treatment kit:

| Periodontal handpiece PL200*1 | PP1*1 | PPL*1 | PPR*1 |
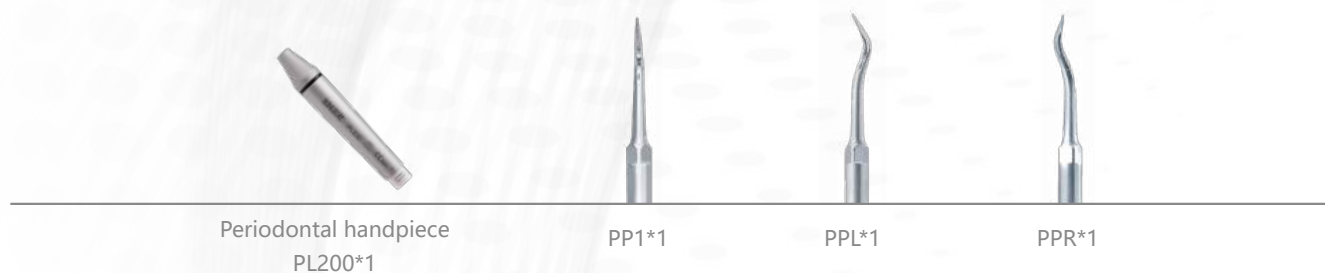
Multi-functional Moveable Cart

⊕ Minimalist industrial design, beautiful and easy to install.

⊕ All metal material, sturdy and durable, easy to clean and disinfect.

⊕ Professional medical casters for flexible and quiet movement.

⊕ Three-tiered storage space on which different dental equipment, instruments and supplies can be placed according to the needs of treatment.

⊕ The bottom layer can be placed the foot switch of painless periodontal treatment devices, scaler or implant unit, which is neat and beautiful and easy to move.

⊕ The two sockets on the dental cart can supply power for two devices at the same time, which provides great convenience for using the equipment.

Oil-less Air Compressor

SA Series
SA055 / SA075 / SA150 / SA220 / SA300

SA055

SA075

SA150

SA220

SA300

Voltage/Frequency (Volf/Freq Hz)	Power VA	Flow L/min (0.4MPa)	Air tank capacity L	Noise dB	Dimension Length×width×height mm	Weight Kg	Applicable Workplace
SA055	550	60	32	≤ 64	406×406×633	24	1
SA075	750	80	32	≤ 68	406×406×653	26	1-2
SA150	1500	160	60	≤ 70	746×420×764	50	3-4
SA220	2250	240	90	≤ 73	996×420×764	70	5-6
SA300	3000	320	120	≤ 73	1216×420×764	90	7-8

SP075

SP150

SP220

SP300

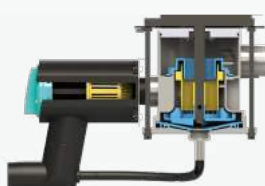| Voltage/Frequency (Volf/Freq Hz)	Power VA	Flow L/min (0.4MPa)	Air tank capacity L	Noise dB	Dimension Length×width×height mm	Weight Kg	Applicable Workplace
SP075	750	80	32	≤ 68	633×428×633	49	1-2
SP150	1500	160	60	≤ 70	951×428×780	65	3-4
SP220	2250	240	90	≤ 73	1201×428×780	88	5-6
SP300	3000	320	120	≤ 73	1421×428×780	108	7-8

Dental Suction Unit

VC10 / VC30 / VC30+ / VC60+ / VC80+

VC10 / VC30

VC30+ / VC60+ / VC80+

⊕ Efficient separation of wastewater

Efficient separation of wastewater

Two-stage air/water separation process, extra care for safety

Auto start-stop system: Reactive to the start & stop of dental units

Detecting dental unit, automatic start and stop

Double motors for vacuum pump and drainage

Low noise level

Model	VC10	VC30	VC30+	VC60+	VC80+
Applicable workplace	1-2	3-4	3-4	5-8	8-10
Input power	220V(1~)/50~60Hz	220V(1~)/50~60Hz	220V(1~)/50~60Hz	220V(1~)/50~60Hz	220V1~)/50~60Hz
Rated power	500W	800W	1100W	1850W	2350W
Maximum current	4.8A	6A	7A	8A	10A
Negative pressure	-13KP	-17KP	-19KP	-21KP	-22KP
Max.Gas flow	1000L/min	1300L/min	1300L/min	2200L/min	3600L/min
Frequency conversion	NO	NO	NO	YES	YES
Dual-motor	NO	NO	YES	YES	YES
Noise	56dB(A)	56dB(A)	56dB(A)	62dB(A)	64dB(A)
Weight	17kg	23kg	38kg	45kg	56kg
Dimension (L×b×h)mm	300×440×580	350×500×620	453×370×684	463×415×715	475×468×780

Dental Wastewater Treatment System

T003 / T005 / T010

Auto-suction & Auto-discharge: Double modes

Compact product design: Small footprint, strong power

Ozone Sterilization: Complete elimination of bacteria & virus

Looped sterilization process: Extra guarantee of hygiene & safety

Curtain-shaped gas spraying: A thorough mixing of ozone & contaminated wastes

All-time automatic: Safe use, worry less

Corrosion-resistant water tank: Perfectly sealed to prevent ozone leakage

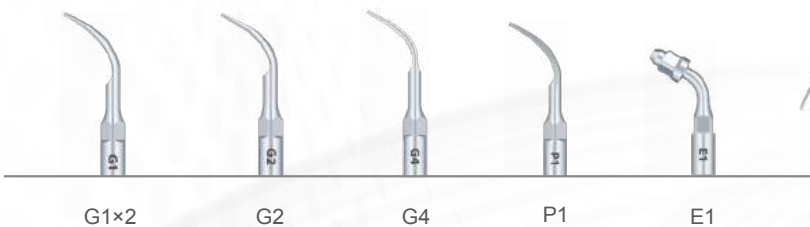| Model	T003	T005	T010
Applicable workplace	3-5	5-8	10-20
Input Voltage (V/HzAC)	220V/50(1~)	220V/50(1~)	220V/50(1~)
Power (KW)	220	300	780
Water Inlet Type	Self-suction/Self-drain / Dual-Model	Self-suction/Self-drain / Dual-Model	Self-suction/Self-drain / Dual-Model
Treatment Model	Ozone Sterilizaton	Ozone Sterilizaton	Ozone Sterilizaton
Self-suction Height(mm)	130	130	130
MAX. Suction Flow(L/min)	30	50	100
Self-suction Tube Size(mm)	Φ25	Φ25	Φ25
Self-drain Tube Size(mm)	Φ50	Φ50	Φ50
Suction Enhancements	Standard tap water connector (Use as needed)	Standard tap water connector (Use as needed)	Standard tap water connector (Use as needed)
Add disinfectant	Manual operation	Manual operation	Manual operation
Dimensions (L×b×h)mm	470×375×530	485×395×640	545×470×830

E Series Multifunction Ultrasonic Scaler

Compatible with EMS,MECTRON,W&H,WOODPECKER scaler.

E2+ / E2 / E1

E2+

- ⊕ SMART-CRUISE SYSTEM: Automatic frequency tracing; Real-time feedback ensures on time power compensation;
- ⊕ Controlled oscillating action ensures gentle treatment for uniform surface roughness with minimum abrasion of tooth surface.
- ⊕ Scaling, Perio, Endo multifunction.
- ⊕ LED handpiece ensures optimal viewing conditions at all position.
- ⊕ Detachable handpiece is autoclavable.
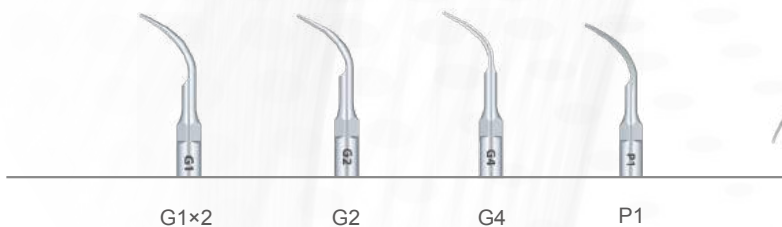
| G1×2 | G2 | G4 | P1 | E1 |

E2

- ⊕ SMART-CRUISE SYSTEM: Automatic frequency tracing; Real-time feedback ensures on time power compensation;
- ⊕ Controlled oscillating action ensures gentle treatment for uniform surface roughness with minimum abrasion of tooth surface.
- ⊕ Scaling, Perio function.
- ⊕ LED handpiece ensures optimal viewing conditions at all position.
- ⊕ Detachable handpiece is autoclavable.

| G1×2 | G2 | G4 | P1 |

E1

- ⊕ SMART-CRUISE SYSTEM: Automatic frequency tracing; Real-time feedback ensures on time power compensation;
- ⊕ Controlled oscillating action ensures gentle treatment for uniform surface roughness with minimum abrasion of tooth surface.
- ⊕ Scaling, Perio function.
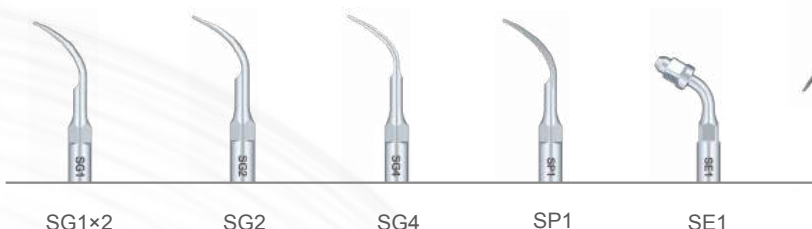- ⊕ Detachable handpiece is autoclavable.

| G1×2 | G2 | G4 | P1 |

S Series Multifunction Ultrasonic Scaler

Compatible with SATALEC,DTE scaler.

S2+ / S2 / S1

S2+

- ⊕ SMART-CRUISE SYSTEM: Automatic frequency tracing; Real-time feedback ensures on time power compensation;
- ⊕ Controlled oscillating action ensures gentle treatment for uniform surface roughness with minimum abrasion of tooth surface.
- ⊕ Scaling, Perio, Endo multifunction.
- ⊕ LED handpiece ensures optimal viewing conditions at all position.
- ⊕ Detachable handpiece is autoclavable.

| SG1×2 | SG2 | SG4 | SP1 | SE1 |

S2

- ⊕ SMART-CRUISE SYSTEM: Automatic frequency tracing; Real-time feedback ensures on time power compensation;
- ⊕ Controlled oscillating action ensures gentle treatment for uniform surface roughness with minimum abrasion of tooth surface.
- ⊕ Scaling, Perio function.
- ⊕ LED handpiece ensures optimal viewing conditions at all position.
- ⊕ Detachable handpiece is autoclavable.

| SG1×2 | SG2 | SG4 | SP1 |

S1

- ⊕ SMART-CRUISE SYSTEM: Automatic frequency tracing; Real-time feedback ensures on time power compensation;
- ⊕ Controlled oscillating action ensures gentle treatment for uniform surface roughness with minimum abrasion of tooth surface.
- ⊕ Scaling, Perio function.
- ⊕ Detachable handpiece is autoclavable.

| SG1×2 | SG2 | SG4 | SP1 |