

The background of the image features a white surface with three distinct colored swooshes. A thick orange swoosh is positioned in the upper left quadrant. A thin grey swoosh starts from the bottom left, curves upwards, and then descends towards the bottom right. A thick yellow swoosh is located in the lower right quadrant.

# dmetec

Medical Innovation since 1983



## Wireless Digital Occlusal Analysis system

Diagnose in Digital Accuracy

### +

### Specification

#### + Wireless Connectivity & Charge

Wireless handpiece with Rechargeable battery inside



#### Quantitative data measurement

Provide occlusal force in numerical data (kgf)

#### Occlusal analyze sensor

Disposable measuring Sensor & Guide

#### Program Mobility

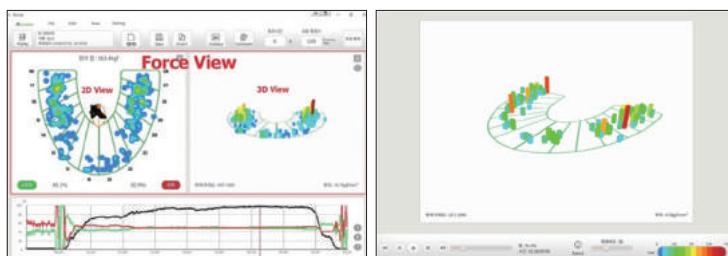
Program in USB allows to move patients data and run ACCURA from computer to computer

### +

### Advantage

#### + Provide Intuitive user program

- 2D, 3D and Time graphs for occlusal force
- Real-time occlusal measurement



#### + Easy patient data management

- Quick data comparison
- Save captures & videos of data

#### + Acquire recognizable occlusal data after dental treatment

- Diagnose occlusal balance after Implant, crown, bridge, extraction and etc.

**Wireless handpiece**

Dimension: 81(W) X 167(L) X 15mm(H)

**Handpiece charger (Holder)****Sensor film & film guide**

Size : Small / Medium

**USB Memory  
User program****Others**

- USB Cable & adaptor
- Calibration tool
- Wireless Charging Pad

**Technical specifications**

## Conditions for use

+10°C ~ +40°C

30% ~ 75% relative humidity

800hPa ~ 1060hPa

## Storage and transport conditions

-10°C ~ +40°C

10% ~ 95% relative humidity

500hPa ~ 1060hPa

## Specifications of unit

Model : ACCURA / Occlusal Analyzer

Rechargeable Battery : 3.7V / 1100mAh

Charging Voltage :

Wireless charging 5V, 500mA

Charging with cable 5V, 100mA

## Dimension / Weight

Unit Dimensions : 167(L)mm X 81mm (W)X 15mm(H)

Unit Weight :

125g

**Accura system requirements (Minimum)**

## Display

1280x1024

## OS

Windows® 7, 8, 10

## CPU

Microsoft.net Framework4.5

## RAM

Intel Core4 Processor

## HDD

4GB

## USB Port

20GB

USB 2.0

# Surgystar X

## Piezo Surgery & Scaler 2-in-1 Unit

High performance, cost effective & space saving 2-in-1 unit with LED handpiece

### ⊕ Specification

- ⊕ **Working frequency**  
20 KHz - 40 KHz
- ⊕ **Cleaning function**  
One touch cleaning system
- ⊕ **Automatic Protection**  
Interrupts power and water supply  
in case of incorrect use of the handpiece  
and insert tip.



### ⊕ Advantage

- ⊕ Wide 5.7" color LCD screen
- ⊕ Touch Screen
- ⊕ Better visibility with LED handpiece (Surgery & Scaler)
- ⊕ Easy to change tubing
- ⊕ All tubings are autoclavable
- ⊕ **Micrometric cuts**  
maximum surgical precision  
and intra-operative sensitivity
- ⊕ **Selective cuts**  
maximum safety for the soft tissues
- ⊕ **Cavitation effect**  
maximum intra-operative visibility  
(blood free surgical site)
- ⊕ Low-power scaler mode for periodontal & endodontic therapy

## ✚ Surgystar X - Unit Consisting

### Main Unit

### Handpiece with Cable

Autoclavable

### Scaler Handpiece & Cable



### Autoclavable Tray

Autoclavable with handpiece&cable, tip, water connecting tube, handpiece holder

### Transformer

+ Medical Power Supply

### Foot Switch

+ Foot-Free and Output adjustment function

## Technical specifications

93/42/EEC	IIb
Conditions for use	+10 °C ~ +40 °C 30 % ~ 75 % relative humidity 800hPa ~ 1060hPa
Storage and transport conditions	-10 °C ~ +40 °C 10 % ~ 95 % relative humidity 500 hPa ~ 1060 hPa
Specifications of unit	
Model:	Surgystar X
Supply voltage:	100-240V~, 50-60 Hz, 1.5 A
Ultrasonic output characteristics:	Frequency: 20-40 kHz
AC/DC Adaptor	Input: 100-240 V , 50/60 Hz Output: 24 V , 3.75 A
Dimensions / Weight	
Unit Dimensions:	315mm(W) x 235mm(D) x 115mm(H)
Unit Weight:	1.91Kg

# Compact S

## Built in Scaler

### +

#### Specification

- + **Working frequency**  
24-32 kHz
- + **Power supply**  
AC 24 V, 50/60 Hz or DC 24 V
- + **Water supply pressure**  
1-5bar

### +

#### Special Features

- + Feedback system for built-in circuit module keeps constantly strong power
- + Quality is verified with customers over 10 years

### +

#### Compact S - Unit Consisting



Handpiece



Tip with holder



Torque Wrench



Autoclave box



Module



Harness cable



Cable

# LED Compact S

## Built in Scaler

### + Specification

- + Working frequency  
24-32 kHz
- + Power supply  
AC 24 V, 50/60 Hz or DC 24 V
- + Water supply pressure  
1-5bar

### + Special Features

- + Easy to secure clear visibility of operation spot with LED light
- + Feedback system of built-in circuit module keeps constantly strong power

### + LED Compact S - Unit Consisting



Tip with holder



Torque Wrench



Autoclave box



Module



Harness cable



Cable

# Cleanse S+

## Ultrasonic Piezo Scaler

Feedback system for built in circuit module keeps constantly strong power.  
Effective removal for tartar, bridges, crowns and root pins, etc.

### +

#### Specification

- + Working frequency  
24-32 kHz
- + Power supply  
DC 24 V, 1.7 A
- + Water supply pressure  
1-5bar



### +

#### Special Features

- + All function is operated by new digital system
- + One-touch foot switch
- + Very small size, light weight
- + **20 steps of power control system**  
High-power output 1-10Max scaling for general treatments  
Low-power output 1-10Max for perio & endodontic treatments



Number	Name
1	Unit Cleanse S+
2	Sterilization box
3	Torque wrench
4	Tip(Applied part) & Tip holder
5	Handpiece
6	Transformer 100-240 V , 50/60 Hz
7	Foot switch with cable
8	Water supply hose with coupler

## Technical specifications

93/42/EEC	Ila
Conditions for use	+10 °C ~ +35 °C 30 % ~ 75 % relative humidity 800 hPa ~ 1060 hPa
Storage and transport conditions	-10 °C ~ +40 °C 10 % ~ 95 % relative humidity 500 hPa ~ 1060 hPa
Specifications of unit	
Frequency range available:	24-32kHz.
Water supply pressure:	1 to 5 bar (15 to 72 psi)
Supply Power:	24V, 1.7A
Transformer:	Input: 100-240 V , 50/60 Hz Output: 24 V / 1.7 A
Power consumption:	50 VA
Fuse:	T1.6 A, Time-lag, 250 V, ø5x20mm(in unit)
Irrigation flow rate:	Min : below 20ml/min, Max : more than 100ml/min

## Weight and dimensions

Main unit:	Weight:	490g
	Dimensions:	65mm(H) x 150mm(W) x 120mm(D)

# SonicStar

## Multi Purpose Ultrasonic Piezo Device

Device for various treatments using Micro-vibration based on ultrasonic technology

### **+** Specification

- +
- Working frequency  
24 kHz - 32 kHz
- +
- All function is operated by new digital system
- +
- Cleaning function  
One touch cleaning system
- +
- Automatic Protection  
in case of incorrect use of the handpiece and  
insert tip.
- +
- One-touch foot switch
- +
- 700mL built-in water bottle



### **+** Advantage

- +
- Various insert tips for treatments  
Curette tips for periodontal treatment  
Canal access preparation tips for endodontic treatment  
Subgingival & Root canal irrigation tips  
Scaling tips  
General purpose, Proximal surface, Periodontium, Implant abutment
- +
- Cavitation effect
- +
- Dual control dial switch  
Power control (LED indicator)  
Water supply control
- +
- Easy to change tubing

## ✚ SonicStar - Unit Consisting

### Main Unit

Main unit with handpiece cable & water bottle



### Handpiece

Autoclavable



### Torque wrench



### Autoclavable box

Autoclavable with handpiece, tip, torque wrench



### Transformer

Medical Power Supply



### Foot Switch

### Technical specifications

93/42/EEC	IIb
Conditions for use	+10 °C ~ +40 °C 30 % ~ 75 % relative humidity 700hPa ~ 1060hPa
Storage and transport conditions	-20 °C ~ +60 °C 5 % ~ 95 % relative humidity 500 hPa ~ 1060 hPa
Specifications of unit	
Model:	SonicStar
Supply voltage:	100-240V~, 50-60 Hz, 1.2 A
Ultrasonic output characteristics:	Frequency: 24-32 kHz
AC/DC Adaptor	Input: 100-240 V , 50/60 Hz Output: 24 V , 1.7 A
Dimensions / Weight	
Unit Dimensions:	120mm(W) x 225mm(D) x 159mm(H)
Unit Weight:	527g

# Clevo

## UV Disinfector

CLEVO is an ultraviolet ray disinfecter for dental instruments and any kinds of small instruments frequently used to patients

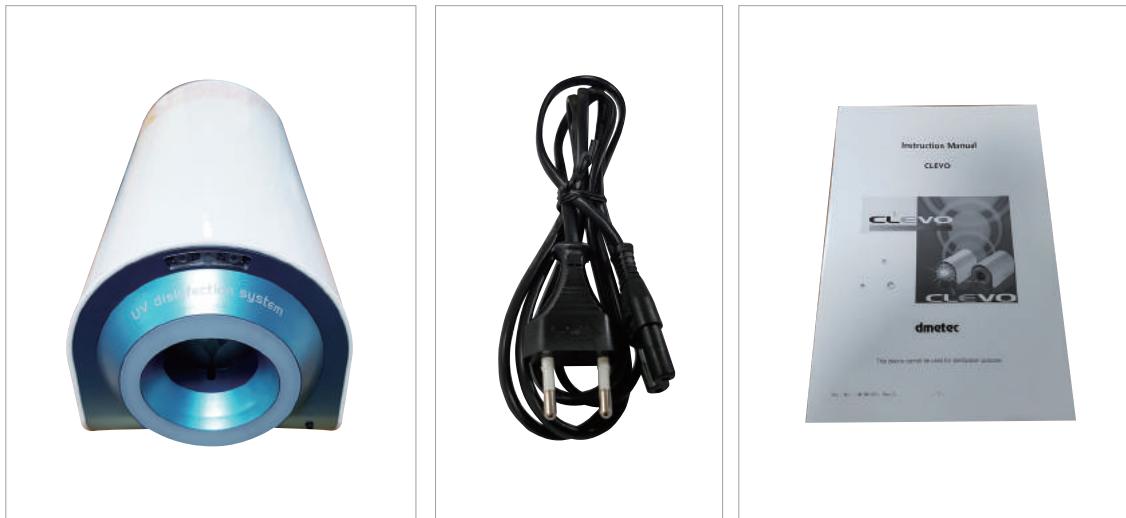
### + Specification

- + **Input voltage**  
AC 100 - 240 V, 50/60 Hz
- + **Power consumption**  
70 VA
- + **Lamp output**  
5.7 W
- + **Dimension**  
105mm X 105mm X 200mm

### + Advantage

- + Automatic short operation for only 15sec.
- + Strong UV-C power of 695,487  $\mu\text{W}\cdot\text{sec}/\text{cm}^2$
- + Small portable and light weight
- + Aroma perfume diffusing (Optional)





Main unit

Power cable

User Manual

Number	Name	Q.ty
1	Main unit	1
2	Power cable	1
3	User Manual	1

## Technical specifications

### 93/42/EEC

Degree of safety of application  
in presence of a flammable  
anesthetic mixture

Conditions for use

### IIa

Unit unsuitable for use in presence of  
a flammable anesthetic mixture with air  
or with oxygen or nitrous oxide.

+10 °C ~ +35 °C

30 % ~ 75 %

800 hPa ~ 1060 hPa

-10 °C ~ +40 °C

10 % ~ 95 %

500 hPa ~ 1060 hPa

### Storage and transport conditions

### Specifications of unit

Model / Product

CLEVO

Ultraviolet disinfecter

100 ~ 240 V~, 50/60Hz

250V / T2A

70VA

1.9W \* 3EA

1.1kg

Weight

105mm X 220mm X 105mm

Dimensions

# Skylight

## LED Curing Light

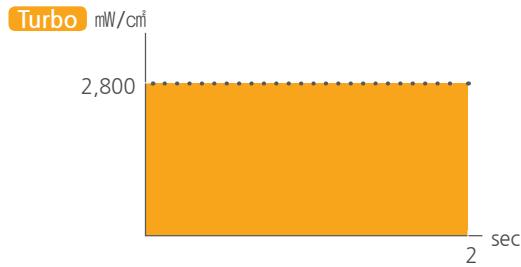
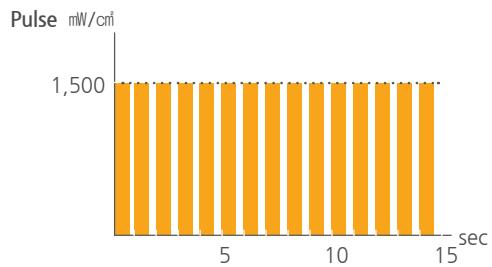
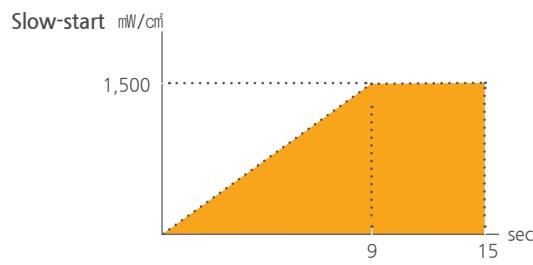
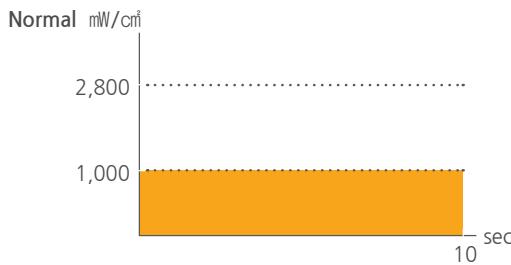
### + Specification

+ Output intensity  
1,100~2,800mW/cm<sup>2</sup>

+ Wavelength  
440-490nm

### + Special Features

- + Cordless, rechargeable gun type curing light
- + 4 Curing Modes-Turbo, Slow-start, Pulse and Normal mode
- + Available for 2 seconds curing with Turbo mode
- + 11mm wide guide tip for wide area curing
- + Only 2 hours charge for 360 times curing
- + Li-ion battery with long lifetime and no memory effect
- + Power indicator set in charger



# Ecolight

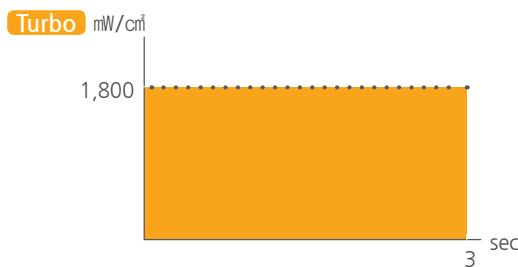
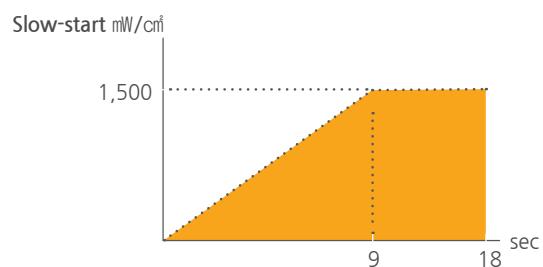
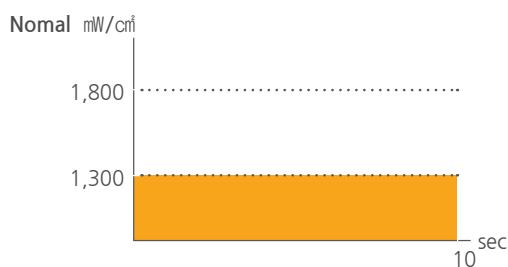
## LED Curing Light

### + Specification

+ Output intensity 1,300 ~ 1,800mW/cm <sup>2</sup>	+ Battery Li-ion, 3.7 V
+ Wavelength 420 ~ 490nm	+ Weight 105g

### + Special Features

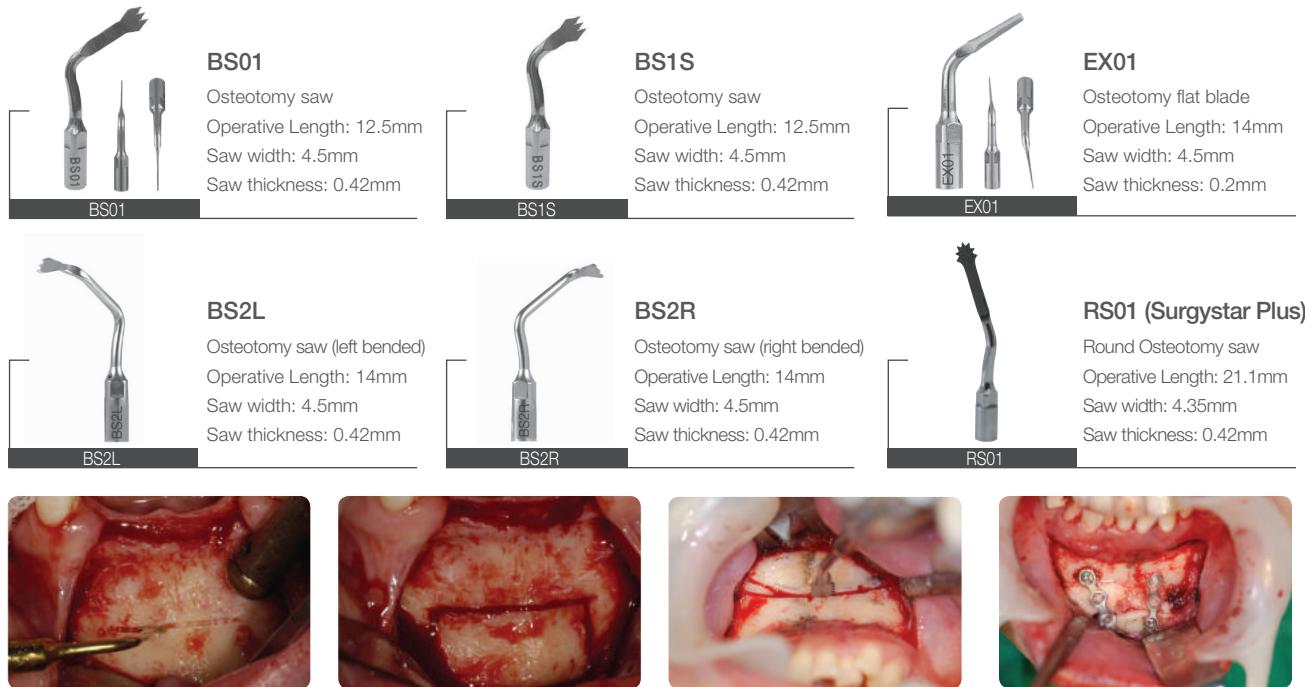
- + Rechargeable Pen-type curing light
- + Easy to use
- + 3 Curing modes
- + Turbo(1,800mW/cm<sup>2</sup> for 3secs)
- + Slow start(1,500mW/cm<sup>2</sup> for 15secs)
- + Normal(1,300mW/cm<sup>2</sup> for 10secs)
- + Lens for wide area(no light-guide tip)
- + Li-ion battery with long life and memory effect



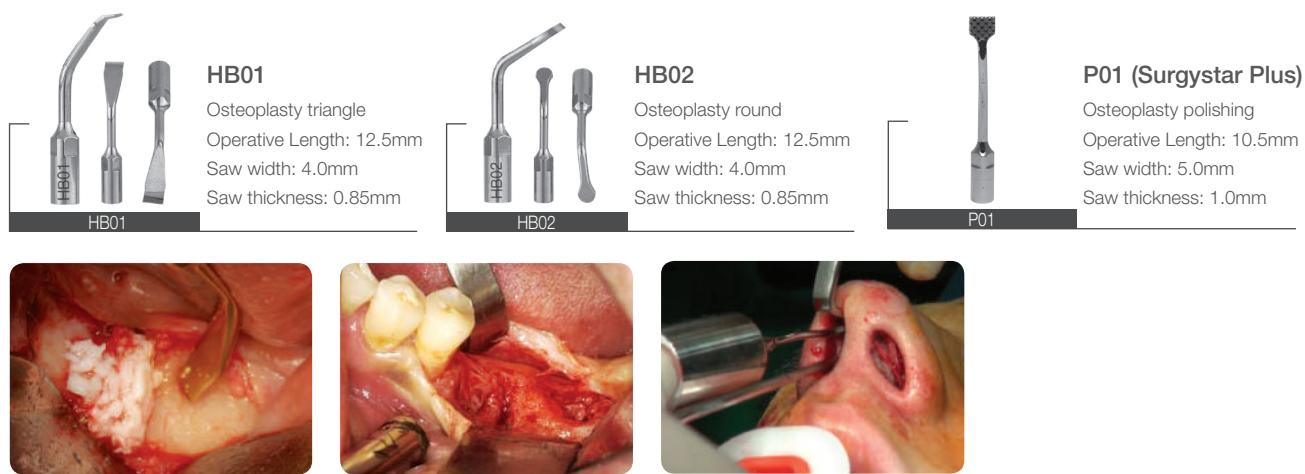
# Ultrasonic Surgical Tips

- Micro-precise surgical tips
- Applied to all osteotomy techniques in Maxilla & Mandible

## + OSTEOTOMY SURGICAL TIPS



## + OSTEOPLASTY SURGICAL TIPS



## + FINISHING & DRILLING SURGICAL TIPS

**EX02**

Diamond ball tip  
Operative Length: 12.5mm  
Ø: 1.75mm

**EX03**

Diamond blade tip  
Operative Length: 12.5mm  
Saw width: 3.0mm  
Saw thickness: 0.95mm

**SL01**

Circular blunt tip (Membrain Detachment)  
Operative Length: 12.0mm  
Ø : 4.4mm

**CA00**

Micro-perforation Tip  
Operative Length: 14.5mm  
Ø: 2.75mm



# TIPS

## Curette Tip



**PS1**

Periodontal treatments



**PL1**

Left bended  
Periodontal  
treatments



**PR1**

Right bended  
Periodontal treatments

## Endo Tip



**E1**

Canal Access Preparation Tip  
Operative length: 16mm  
Diameter: 0,3mm



**E2**

Canal Access Preparation Tip  
Operative length: 16mm  
Diameter: 0,5mm



**E3**

Canal Access Preparation Tip  
Operative length: 21mm  
Diameter: 0,2mm

## Irrigation Tip



**PI6**

Subgingival irrigation(Dual point)  
Operative length: 25mm  
Diameter: 0,6Ø



**EI4**

Root canal irrigation(Half cut)  
Operative length: 25mm  
Diameter: 0,4Ø

## Scaler Tip



**D1**

Scaling in  
wide thick  
proximal  
surface



**D2**

Scaling  
generally



**D3**

Scaling deep  
periodontium



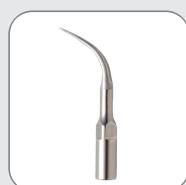
**D4**

Scaling  
generally &  
proximal  
surface



**D5**

Scaling heavy  
tartar  
&removal  
orthodontic  
cements



**IST**

Scaling  
implant  
abutment



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