



TECH

For Medical Devices Trading And Export L.L.C





MH Tech is an Egyptian company operating in the field of medical devices since 2015. We have numerous agencies in various specialties and provide all types of medical devices and equipments for clinics and hospitals.



ORIX
MADE IN ITALY



ORIX
MADE IN ITALY

70 Orix New Edition



Electrical features		Tubehead features	
Power supply	230 V ± 10%	Total filtration	> 2 mm Al eq.
Frequency	50 Hz	Min. focus skin distance	200 mm
Current	5 A	Irradiated Area@ 200 mm	Ø 55 mm
X-ray tube features		Leakage @ 1 m	< 0,25 mGy/h
X-ray tube	CEI OCX 65 G	Radiological features	
Focal spot	0,7 mm	High voltage	70 kVp
Anode material	Tungsten	Anodic current	8 mA
Mechanical features		Exposure time	0,04 -2,00 s
Extension arm	500 - 900 mm	Duty cycle	1:60
Max. estension	1980 mm	Control logic	Deadman





ORIX
MADE IN ITALY



ORIX 70 New Edition DG

Electrical features		Tubehead features	
Power supply	230 V ± 10%	Total filtration	> 2 mm Al eq.
Frequency	50 Hz	Min. focus skin distance	200 mm
Current	6A	Irradiated Area@ 200 mm	Ø 55 mm
X-ray tube features		Leakage @ 1 m	< 0,25 mGy/h
X-ray tube	CEI OCX 65 G	Radiological features	
Focal spot	0,4 mm	High voltage	70 kVp
Anode material	Tungsten	Anodic current	8 mA
Mechanical features		Exposure time	0,04 -2,00 s
Extension arm	500 - 900 mm	Duty cycle	1:60
Max. estension	1980 mm	Control logic	Deadman



ORIX
MADE IN ITALY



Orix HF Advantage

Electrical features		Tubehead features	
Power supply	120-230 V ± 10%	Total filtration	> 2 mm Al eq.
Frequency	50/60 Hz	Min. focus skin distance	200 mm
Current	2,5 A (230 V~)	Irradiated Area@ 200 mm	Ø 55 mm
X-ray tube features		Leakage @ 1 m	< 0,25 mGy/h
X-ray tube	CEI OX 70/P	Radiological features	
Focal spot	0,7 mm	High voltage	60 -65 -70 kVp
Anode material	Tungsten	Anodic current	7 mA
Mechanical features		Exposure time	0,01 -2,00 s
Extension arm	500 - 900 mm	Duty cycle	1:60
Max. estension	1980 mm	Control logic	Dead man





ORIX
MADE IN ITALY



Orix HF Plus

Electrical features		Tubehead features	
Power supply	120-230 V ± 10%	Total filtration	> 2 mm Al eq.
Frequency	50/60 Hz	Min. focus skin distance	200 mm
Current	2,5 A (230 V~)	Irradiated Area@ 200 mm	Ø 55 mm
X-ray tube features		Leakage @ 1 m	< 0,25 mGy/h
X-ray tube	CEI OX 70/4	Radiological features	
Focal spot	0,4 mm	High voltage	60 -65 -70 kVp
Anode material	Tungsten	Anodic current	5 mA
Mechanical features		Exposure time	0,01 -2,00 s
Extension arm	500 - 900 mm	Duty cycle	1:60
Max. estension	1980 mm	Control logic	Dead man

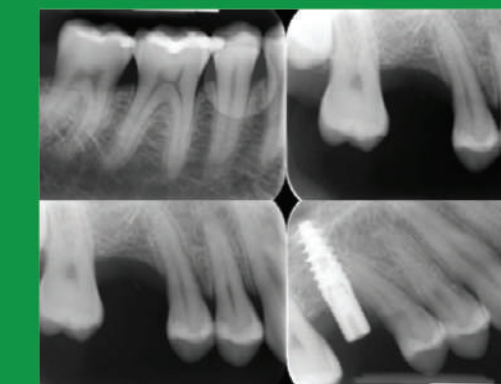


ORIX
MADE IN ITALY

x-ray sensor



Extremal dimensions	24,35 mm x 36,73 mm
Active area	600 mm ² (20 mm x 30 mm)
Pixel dimensions	19 µm
Theoretical resolution	26,3 pl/mm
Real resolution	>20 pl/mm
Number of pixels	1,6 megapixels (1050 x 1580)
Cable length	3 m



Compressors



- Voltage 220v
- Unit power 850w
- Work pressure 0.5-0.8 mpa
- Flow 100l/min
- Noise 62db
- Production size 40x40x62 cm

Compressors





SOGA-ILASER II

Your first laser therapy instrument

- Self-contained miniature design**
Real-time digital display of dosage, using the high-end sensors, Accurately calculate the amount of medicine that has been injected, the accuracy is not less than ±0.1ml.
- Easy to operate, every one can learn to use it**
Smart key-soft ignition technology ensures smooth laser switching. Built-in smart memory chip, no need to wait to power on, no burdensome settings.
- More accurate and more comfortable**
The laser power automatic control function adopts PID algorithm to form a closed-loop control, which can automatically control the laser power.
- Many functions are at your fingertips**
The working power and transmission mode can be easily adjusted to meet the needs of various clinical applications.

Fiber optic tip models of Dental diode laser

Non-initiated	Models	Φ	Length	Intended
	E4-4	400um	4	Surgery
	E4-7	400um	7	Periodontal
	E4-9	400um	9	Periodontal
	E2-14	200um	14	Periodontal
	E2-20	200um	20	Root canal

Pre-initiated	Models	Φ	Length	Intended
	Pi4-4	400um	4	Surgery
	Pi4-7	400um	7	Periodontal
	Pi4-9	400um	9	Periodontal

Typical applications of stomatology

Oral surgery

Abscess, crown elongation, fibroma, labioglossectomy, gingival resection, gingival plasty, leukoplakia, mucocele, secondary implant exposure, orthodontic eruption, gingival retraction.

Laser therapy

Oral ulcer, herpes, periimplantitis, temporomandibular arthritis, hemostasis and coagulation, tooth whitening.

Technology specification

Wave length: **650 nm, 980nm**
Laser power: **0.5W-5W**
Emission mode: Continuous mode and pulse mode
Laser type: Type IV, InGaAs. diode laser
Optic fiber diameter: **200/400 um**
User interface: OLED display screen

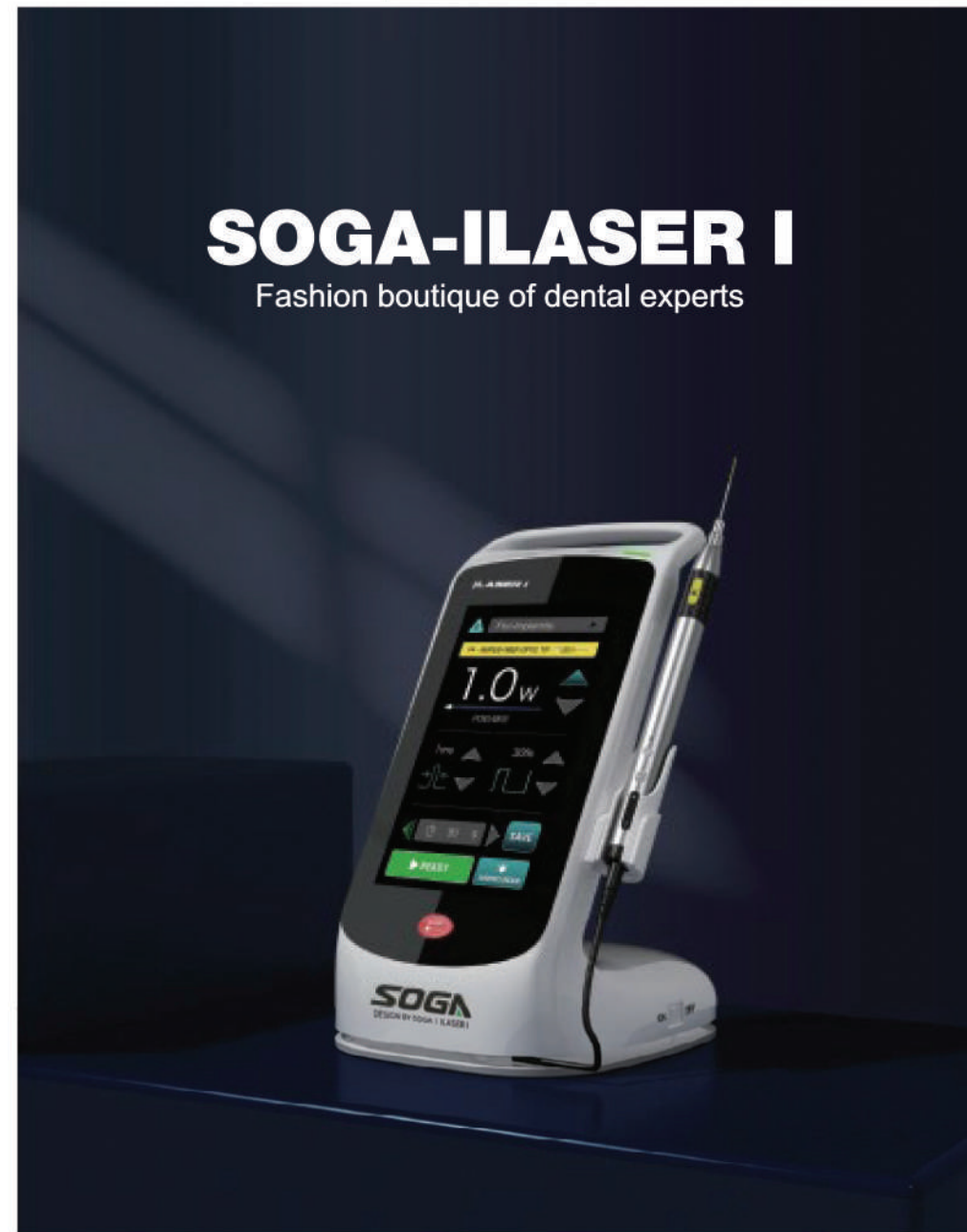
Endodontist

Sterilization of root canal and pulp amputation.

Periodontics

Curettage of periodontal pocket and periodontal sterilization.

Aiming laser wave length: **650nm**
Aiming laser power: **<2mW**
Dimension: **190mmX17mm**
Weight: **150g**
Work power supply: built-in rechargeable lithiumion battery



SOGA-ILASER I

Fashion boutique of dental experts

- Personal laser device**
No external power cords or laser firing pedals are required during use, maximizing mobility and portability. (You can also connect a laser launch pedal, there are two modes to choose freely) The built-in long-life lithium battery can last for one month on a single charge.
- Easy to operate, every one can learn to use it.**
Start up without waiting, use it immediately.
- More than **10** built-in clinical indication parameter templates can automatically save your settings, which is simple and saves your time.
- Pay attention to every little detail of use - the handle switch and the**
- The handle is removable and also autoclavable.
- Handpiece has power adjustment button, which makes it easy to operate.
- Laser switch buttons ensure maximum safety.

Fiber optic tip models of Dental diode laser

Non-initiated	Models	Φ	Length	Intended
	E4-4	400um	4	Surgery
	E4-7	400um	7	Periodontal
	E4-9	400um	9	Periodontal
	E2-14	200um	14	Periodontal
	E2-20	200um	20	Root canal

Pre-initiated	Models	Φ	Length	Intended
	Pi4-4	400um	4	Surgery
	Pi4-7	400um	7	Periodontal
	Pi4-9	400um	9	Periodontal

Typical applications of stomatology

Oral surgery

Abscess, crown elongation, fibroma, labioglossectomy, gingival resection, gingival plasty, leukoplakia, mucocele, secondary implant exposure, orthodontic eruption, gingival retraction.

Laser therapy

Oral ulcer, herpes, periimplantitis, temporomandibular arthritis, hemostasis and coagulation, tooth whitening.

Technology specification

Wave length: **980 nm**
Laser power: **0.5W-8W**
Emission mode: Continuous mode and pulse mode
Laser type: Type IV, InGaAsP diode laser
Optic fiber diameter: **200/400 um**
User interface: OLED display screen

Endodontist

Sterilization of root canal and pulp amputation.

Periodontics

Curettage of periodontal pocket and periodontal sterilization.

Aiming laser wave length: **650nm**
Aiming laser power: **<2mW**
Dimension: **190mm x155mmx260mm**
Weight: **150g**
Work power supply: built-in rechargeable lithiumion battery

Hainuo

Xray Machine

JYF-10 B AC

Features

- *Use the international advanced technology .high-efficiency .clear Imaging
- *Low leak radial is only 1% of national standard
- *Light touched button, controled with microcomputer only press one button to select the exposue parameter, fast and accurately
- * Developing in light room image in one minute, the doctor can diagnose conveniently for maximum
- *The hanger body with 2m can save space and shoot conveniently in all direction
- * It is for the use of the digital imaging system of mouth



Specifications

Power supply	AC220V + 10%,50HZ, 1KVA
Tube voltage	60KV
Tube current	8mA
Focus size	1.5mm
Total filtration	2.5mmAL
Exposure time	0.2-4s
Leak radiation	Outside one meter < 0.002mGy/h National standard 0.25mGy/h)
Optional	Tube current 0.5mA Focus size 0.8mm



Hainuo

Xray Machine

JYF-10 D AC

Features

- Using the international advanced technology, efficient integrated design high efficiency, low radiation.
- Using microcomputer intelligent control. Not only remote controlled exposure, but more powerful function of low voltage warm and high voltage protection.
- Micro focus technology, much more clear image and accurate diagnosis
- The base has two modes of mobile and fixed, pneumatic lift seat ensures more convenient for dentist and more comfortable for patient
- Can use lightroom dental film imaging in one minute, maximum convenient dentist to diagnose
- Can connect to dental digital imaging system that is indispensable for clinicians to diagnose and root canal filling.

Specifications

Power supply	220V 10%, 50HZ, 1KVA
Tube voltage	70KV
Tube current	8mA
focus size	0.8mm
Total filtration	2.5mmAL
Exposure time	02-4s
Leak radiation	outside one meter < 0.002Mg/ h(national standard:025Mg/h)
Package size	152 x 57 x 26 (cm)
Net weight	57 kg



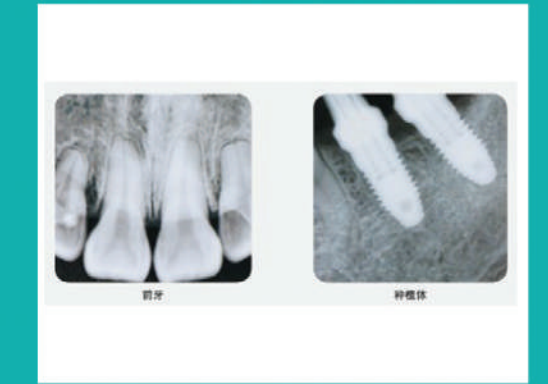
JYF - 10 D

Features

- Using the international advanced technology efficient integrated design high efficiency, low radiation
- Using microcomputer intelligent control not only remote controlled exposure but more powerful function of low voltage alarm and high voltage protection
- Micro focus technology. much more clear image and accurate diagnosis.
- Wide use save more space, more convenient to use.
- Can use lightroom dental film, imaging in one minute, maximum convenient dentist to diagnose.
- Can connect to dental digital imaging system that is indispensable for clinicians to diagnose and root canal filing

Specifications

Power supply:	AC220V 10%.50HZ,1KVA
Tube voltage	70KV
Tube current:	8mA
Focus size:	0.4mm (Toshiba Head)
Net weight	22kg
Total filtration:	2.5mmAL
Exposure time:	0.2-4s
Leak radiation:	outside one meter 00 OMh standard 020 Mgh
Package size	93 x 36 x 48 cm)
Rough weight	30kg





Junwei-dental



Technical Parameters

JW-X01		
ailable units	Set	1
ltage	V	240~220
wer Frequency	Hz	50/60
equency conversion function		X
it power	KW	0.4/0.5
ectric current	A	3,0/3,5
ction power	L/min	≥ 800
cuum	mbar	110-
ise	dB(A)	≤ 56
eight	Kg	18
e	mm	310*450*585

Junwei Medical

Dental suction system . Environment guardians of dental treatment

- Applying of variable frequency technology, domestic initiative technology.
- Two stop separation system, separate air and waste water thoroughly.
- Quickly reach top power, ensuring multiple units work at the same time.
- Stable average suction power on every unit.
- Work safe and continuously.

Essential equipment for high quality dental treatment

Fluctuation pressure sensor:



The suction machine can adjust the power of motor by real-time monitoring the pipeline vacuum degree, thus to guarantee the suction on every unit being used.

Variable frequency control panel:



Real-time monitoring the work situation of the suction machine.

Filter component:



Advanced designed filter component can effectively and practically prevent the inhalation of secretion and blood foam getting in.



CONTRA YOUSI 45

- Surgical 45 Degrees Contra
- High Durable Fiber Optic
- High Torque



LED Handpiece 2.0



Zero-retraction system

Zero-retraction system, avoid impurities, blood and virus suck back into the cartridge when the hand piece stops working, which highly increase the service life of bearings.



Triple water spray

(Separate water from air)
Solve the problem that no water spray due to too much air pressure.



German bearing is adopted

Cooperate with the advanced German supplier which expertise in miniature bearing so as to prolong the life span of the hand piece .

Long life span

Adopted German miniature typical gasket with which provides a guarantee for the long service span of the hand piece.

Titanium coating body

Titanium material is more healthy and environmentally friendly than ordinary chrome coating.

Pretty Strong Cutting Power

JINME hand piece has a obvious advantage in cutting efficiency during the comparison test with similar products in the market.

Highly improve the efficiency of dentists' treatment and shorten the patient's operational procedure.

Never ever damaged LED

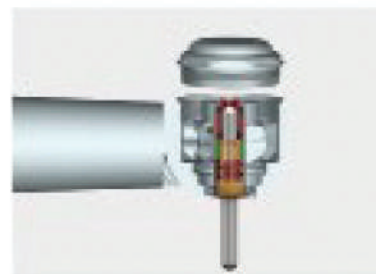
LED will not be dead after 135 degree sterilization.

Typical double sealed protection.

Add special metal material made protective casing to cover the sealed LED bead, meanwhile, cover the tip of protective casing with heat resisting transparent gels. The LED bead will %100 withstand the -135degree high temperature and pressure steam sterilization, thoroughly solve the industrial difficulties in the frequently damaged in LED durability.



No bur fly out handpiece



The global unique patent technology, make sure no bur fly out

Automatic Locking push button spindle which researched and developed by ourselves, with built-in Precision Miniature Spring. The micro-spring exerts pretension force on the Chuck that the bur would be more and more tightly when the hand piece rotating in high speed, make sure no bur fly out in the process of Grinding

After more than 20,000 consecutive push tests, the clamping force of spindle just decreased by %2, and the life span can up to 3 years.

The dentist should most value the medical safety accident which caused by bur flying out Patent No. CN203263556U



Super torque cutting

no bur fly out hand piece has a obvious advantage in cutting efficiency in similar products test comparison that is greatly improve the efficiency of the dentist's treatment and shorten the patient's treatment time.



Comfortable grip feeling

Satisfy ergonomically designed, which eliminate tiredness caused by long hours of work



Dental Laser



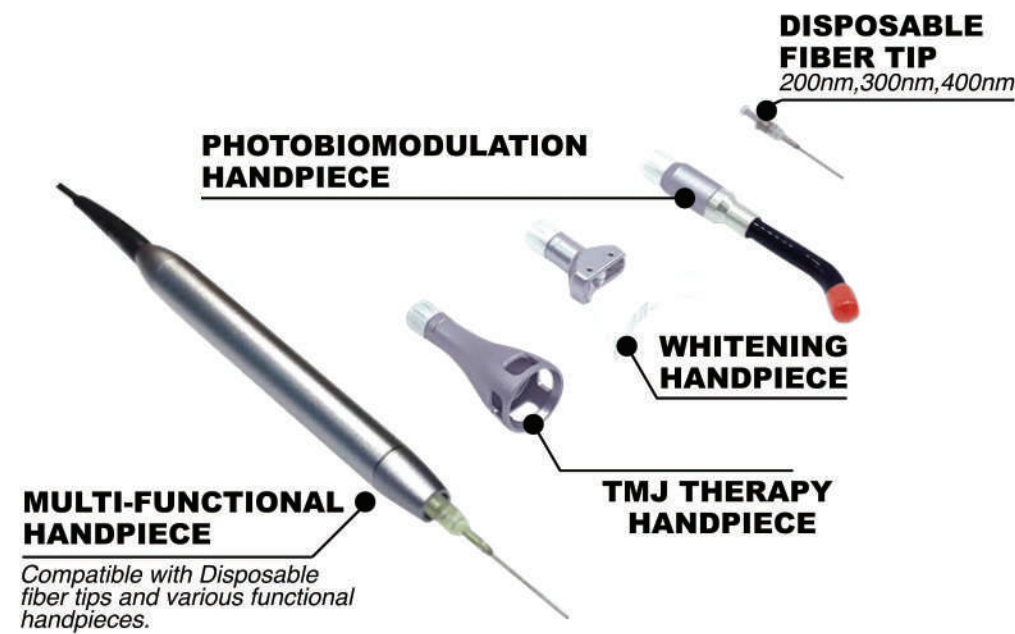
THE BEST AFTER-SALES SERVICE

We promise that if you encounter a problem with your equipment we will respond to your problem within **24 hours** and come up with a solution for you.

Our company is a professional medical laser factory, providing a full range of diode laser solutions, from hardware to software, from machines to consumables. **Customize, OEM and ODM** are welcomed

MULTITUDE OF APPLICATION WITH ACCESSORY HANDPIECES

Ergonomically Designed



Compatible with Disposable fiber tips and various functional handpieces.

BEST FIBER TECHNOLOGY

We have a hundred thousand class ultra-clean workshop and professional ethylene oxide sterilization system, can provide various specifications of medical fibers and handle accessories to meet your clinical needs.



KEEPS YOUR SAFE DURING COVID-19

A dental drill produces quite a bit of splatter, but with the laser, the amount of **splatter** is reduced by about **90%**. And the 200°C at the Tip is enough to kill any viruses or harmful bacteria that might come into contact with it.

BEST OPERATION EXPERIENCE

Single key shuttle, easy to operate, fast and accurate

DENTAL LASER, DOES IT HAVE ANYTHING TO DO WITH YOU?

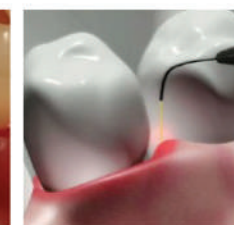
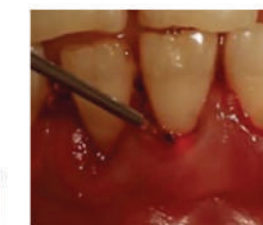


Bloodless soft tissue surgery. Avoid infections.

Faster recovery Laser energy cauterizes and seals capillaries, achieving hemostasis and preventing edema, which allows patients to have a faster recovery.

Excellent in Endodontic Laser treatment

As a popular adjuvant method, with LUNRAY's special fiber system, the laser can effectively eliminate bacteria in root canals, thus being able to increase the success rate in endodontic treatment.



Periodontal treatment, this is where everything started

The dental laser was first invented for periodontal doctors 20 years ago. The soft and slender fiber can easily enter the bottom of the periodontal pocket to assist or replace flap surgery to complete pocket debridement. It is an indispensable tool to ensure the quality of surgery!

LLLT/Photobiomodulation, Drugs and surgery can't replace it

LLLT has miraculous effects in physical recovery. LUNRAY has prepared all treatments and Instructions for you. Contact us to get them!



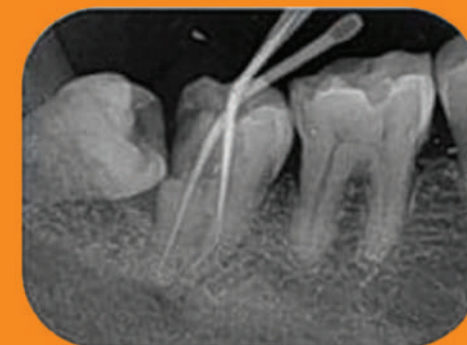
Teeth whitening, painless and insensitive treatment completed within 1 minute

1 minute treatment, 5 minutes to complete the whole process, and won't cause tooth sensitivity.

FUSSEN



IMAGING PLATE



Other Equipments

Sealing Machine



Ultra Sonic Cleaner



Water Disteller



Intra Oral Cam

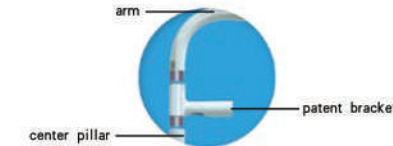


Touch pen



Hd camera

CCD,3.8million PX,
Super large range of visual
angle,USB



Patent bracket

unique creative multi-functional bracket without break-
ing the structure of treatment platform, hide the
pipelines without punching on the middle center pillar.



The comparison of the handle lines

Push-pull connector of medical specialty
compared with metal air connector
signal transmission is more stable
service life is longer



The comparison of
helical line and
regular line

The helical line is more
artistic and functional than
regular line after being
installed



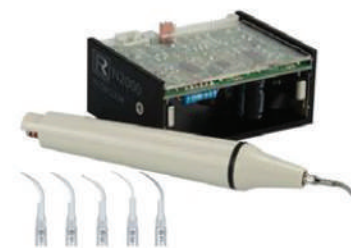
Components

connect to the extending
wire,the photo handle can
be placed on the nurse
operation platform.



- Function Features
- Can Save the photo permanently, establish e-medical history, easy to blouse and check.
- Can recored the whole process of treatment
- Available for all the functions of desktop, including net work
- Available for 3D doctor patient communication video
- Touch hand writing input, can use external wireless mouse and keyboard
- Can establish a local area network to transmit digital X-ray
- Can install internet somatology management software
- Type: YSD960
- Display: 17 inch HD white LED screen, touch screen AIO
- Camera handle: 3.8 million PX, 6 white LCD, auto-focusing 5mm-50mm
- Input and out put : 220V power, USB 2.0*4, RJ45, AUX, VGA, wifi
- Case material : aluminum magnesium alloy 365mm*300mm*42mm net wight 3.3 kg
- CPU : intel dual core with four threads and 2.41GHZ cpu frequency
- Memory : DDR3,2G(can be extended to 320G-1TB HDD)
- Control : 17 inch touch screen (five-lineresistance)
- Wifi : Wifi 802. 11n WLAN
- Soft ware : Win7, dental photo/video/3D doctor-patient communication/hanwriting
- Power : 220V input (12V outside available)
- Backhole : 100mm*100mm

Built-in Ultrasonic Scaler



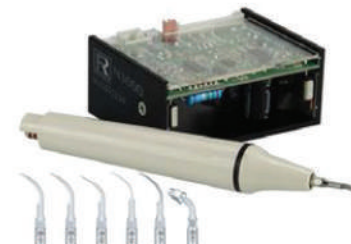
Model: N2000

- Detachable handpiece
- Scaling & perio function
- Automatic frequency tracking
- Real-time feedback
- Main unit input ~24V 50Hz
- Frequency 28KHz±3KHz
- Water pressure 0.1bar~5bar(0.01MPa~0.5MPa)
- Package size 18.2cm*17.2cm*6.8cm
- Gross weight: 0.45Kg



Model: N2000L

- LED detachable handpiece
- Scaling & perio function
- Automatic frequency tracking
- Real-time feedback
- Main unit input ~24V 50Hz
- Frequency 28KHz±3KHz
- Water pressure 0.1bar~5bar(0.01MPa~0.5MPa)
- Package size 18.2cm*17.2cm*6.8cm
- Gross weight: 0.45Kg



Model: N3000

- Detachable handpiece
- Endo, scaling & perio function
- Automatic frequency tracking
- Real-time feedback
- Main unit input ~24V 50Hz
- Frequency 28KHz±3KHz
- Water pressure 0.1bar~5bar(0.01MPa~0.5MPa)
- Package size 18.2cm*17.2cm*6.8cm
- Gross weight: 0.45Kg



Model: N3000L

- LED detachable handpiece
- Endo, scaling & perio function
- Automatic frequency tracking
- Real-time feedback
- Main unit input ~24V 50Hz
- Frequency 28KHz±3KHz
- Water pressure 0.1bar~5bar(0.01MPa~0.5MPa)
- Package size 18.2cm*17.2cm*6.8cm
- Gross weight: 0.45Kg

Spare part



TW-1L Torque wrench
For Refine, EMS, SATELEC
& Woodpecker scaler tip



Scaler cable for
Refine, EMS &
Woodpecker scaler



TS-1L Torque wrench
for SIRONA scaler tip



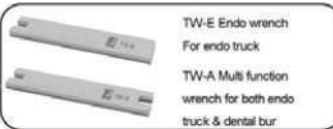
Solenoid valve for
Ultrasonic scaler



TK-1L Torque wrench
for KAVO SonicFlex
scaler tip



Footswitch for
Ultrasonic scaler



TW-E Endo wrench
For endo truck



Power supply for
Ultrasonic scaler



Tip holder for scaler
tip 1#



Tip holder for scaler
tip 2#



HP-3H detachable
handpiece for Refine,
EMS & Woodpecker



HP-5L detachable
handpiece for Refine,
EMS & Woodpecker



Oil-free air compressor



Doctor's chair



Sterilizer



Apex locator



N1 Scaler



Dentist chairs



Salli care swing stool



Water distiller



Digital ultrasonic cleaner



Junwei suction units



Oral Camera



Sealing machine



LED Curing Light (Wireless)

LUNX

LUNX

- High Torque
- 22 Watt
- Triple Water Spray , 2 Air Holes
- Push Button
- 6 months guarantee





icanCLAVE Autoclaves

Precision and Efficient

ICANCLAVE Series-D sterilizers are pre and post vacuum autoclaves for sterilization of wrapped materials, unwrapped materials, hollow instruments, solid instruments, porous loads, textile and liquids. High precision computerized control systems for efficient sterilization results. It is the idea of sterilization solution for any medial, dental, healthcare, laboratory and so on.

High Performance

High precision control system for perfect sterilization result.
Powerful vacuum pump resulting in perfect class B sterilization cycles.
A built-in independent steam generator provides readily available steam for faster cycles.

Simple Operating

Full automatic table top autoclaves with pre-programmed sterilization cycles.
Easy to use LCD screen. Detailed cycle data and autoclave status displayed.
Friendly interface allowing the user to easily browse programs or set the autoclave.
Multiple languages can be selected in the operating system.
Open type water tank, easily to feed water and clean.

Safety

Double door protection system prevents the cycle from starting if the door is not correctly locked. This system also prevents the door from opening if the pressure inside the chamber is not equal to atmospheric pressure outside the chamber.
Pressure safety valve prevents over pressure in the chamber and steam generator.
The power is automatically cut if a short circuit or electrical fault occurs.
Able to detect and identify the exact cause of any problem, and to issue a specific error code to the operator.
Water level main switch in the main tank controlling the min and max water level.

Documentation

USB port & USB stick: all cycle program information in multiple languages are automatically written in the USB stick and can be read directly in any PC.
Internal memory: the last 20 cycles information can be automatically stored in the autoclave system, which can be printed out at any time.

Technical Parameters

Order Code	Model Number	Type	Power	Chamber Dimensions	Weight
D418	STE-18-D	Class B	2000W/220V	φ247x350mm	47kgs
D423	STE-23-D	Class B	2000W/220V	φ247x450mm	53kgs

Overall Dimensions

Order Code	Width (W)	Height(H)	Deep(D)
D418	490mm	455mm	600mm
D423	490mm	455mm	690mm

Default Program

Program	Temperature	Pressure	Holding Time (min)	Total Time(min)
HELIX Test	134°C	210kpa	3.5	10-20 11-23 13-25 16-30
Vacuum Test	/	/	/	17-20 18-21 19-22 20-25

icanCLAVE

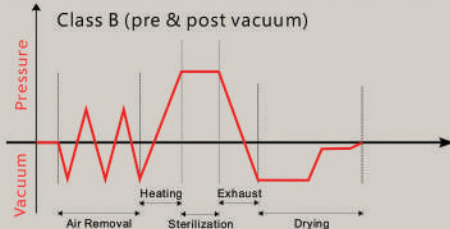
Autoclaves

Product Feature

Main Feature:

1. Fully automatic benchtop autoclave with pre set programs
2. Complies with European standard EN 13060 (Class B only)
3. In built independent rapid steam generator ensures quick sterilization cycles.
4. Rapid post sterilization vacuum drying.
5. User friendly interface.
6. LCD screen displaying time, temperature and pressure, process alert and instrument conditions.
7. Choice of language settings including: English, Spanish, German and Chinese.
8. Easily accessible watertank.
9. Liquid sterilization program optional.

Graphic of working cycle



Class B

Model	STE-18-C	STE-23-C
Volume	18 litre	23 litre
Chamber size	Ø247×350mm	Ø247×450mm
Power	2200w	2200w
Net weight	47kgs	51kgs



LCD displaying



Stainless steel chamber and trays



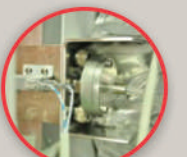
Vacuum pump



Independent Steam generator



Water tank



Double locking device

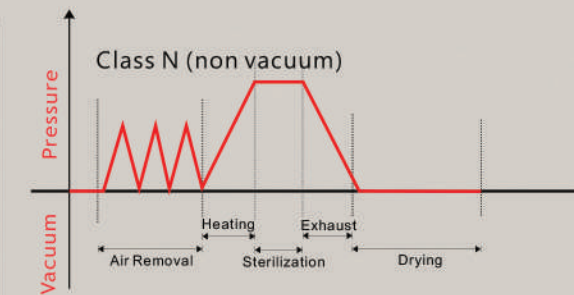


Operation panel

icanCLAVE

Autoclaves

Model	STE-16-M
Volume	16 litre
Chamber size	Ø230×360mm
Power	1900w
Net weight	43kgs



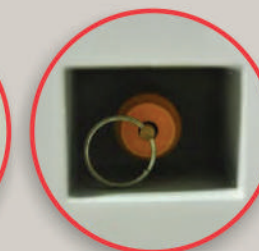
Class N

Safety

1. Double door protection system prevents the cycle from starting if the door is not correctly locked. This system also prevents the door from opening if the pressure inside the chamber is not equal to atmospheric pressure outside the chamber.
2. Pressure safety valve prevents over pressure in the chamber and steam generator.
3. The power is automatically cut if a short circuit or electrical fault occurs.
4. Able to detect and identify the exact cause of any problem, and to issue a specific error code to the operator.
5. Water level main switch in the main tank controlling the min and max water level.



Electricity-protecting device



Pressure safety valve



Lovage Medica

Dental Units



Standard specifications:

- Low -mounted instrument tray 1 Set
- 4-hole headpiece tubing 3 Set
- Dental chair pu leather
- Safety stop
- Removable Ceramic spittoon 1 Set
- Operating Halogen light 1 Set
- 24 v x-ray film viewer 1 Set
- High and low saliva ejector 1 Set
- 3-way syringe 2 sets 2 Set
- Foot control(with self -lock function) Water tank 1 Set
- Built out junction box 1 Set
- Water heater
- Adjustable head rest
- Auto spitton flush and cup filler control system

Technical specifications :

- Power voltage :220v /50 hz
- Motor voltage :24 v
- Water pressure :0.2mpa-0.4mpa
- Air pressure :0.5mpa-0.8mpa



Lovage M

QL-2020

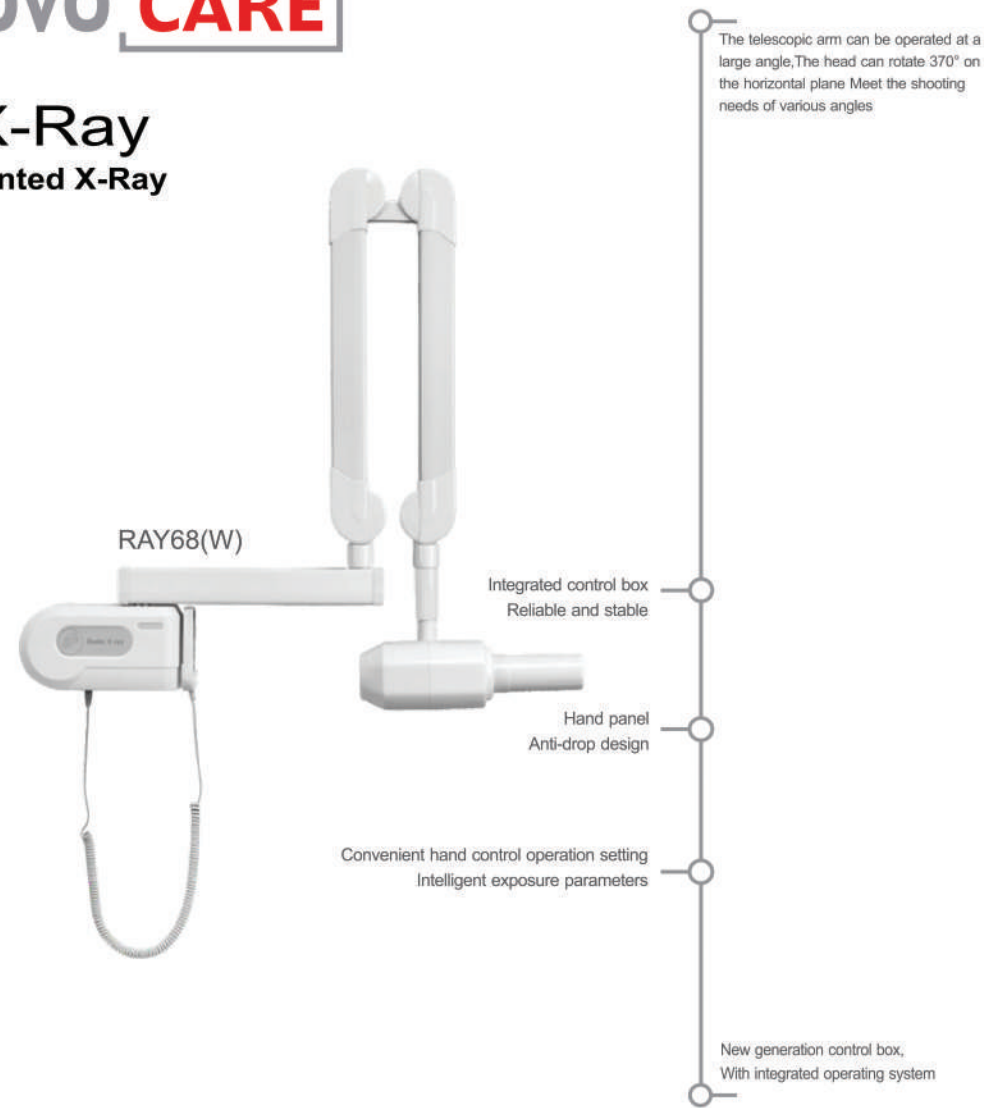


Lovage M

3300



AC X-Ray Wall Mounted X-Ray



CAN ALSO SHOW EVEN IN SMALL ROOM

The launch of RAY68(W) and RAY68(W)2- gives users more choices, abandoning the inherent base, installing them on the wall, matching perfectly with the clinic, and making greater use of space.

The Industrial Frequency Series Adopt the Original Japan-Imported Canon Tube head

Precise time control: Microprocessor technology accurate the exposure time to 0.01s and with digital display, it can immediately give the alarm with fault code display function, parameters can be reset and reserved to the digital shooting mode, compatible with any brand of digital sensor.

Parameters Instruction		
Power Voltage:AC 230V	Bulb Tube:CANON	Duty Cycle:1/30
Frequency:50/60Hz	Ray Focal Spot:0.7mm	Half Value Layer:70Kv 1.6mm Al
Maximum Power:900VA	Bulb Tube Voltage:70KV ± 10%	Inherent Filtration:≥ 2.1mm Al
Electricity:4A	Anode Current:7mA ± 20%	Leakage Radiation:1meter ≤ 0.14mGy/h
Fuse:6.3A	Anode Angle:16°	Time Of Exposure:0.06—2.0s

AC X-Ray Mobile X-Ray



Parameters Instruction		
Power Voltage:AC 230V	Bulb Tube:CANON	Duty Cycle:1/30
Frequency:50/60Hz	Ray Focal Spot:0.7mm	Half Value Layer:70Kv 1.6mm Al
Maximum Power:900VA	Bulb Tube Voltage:70KV ± 10%	Inherent Filtration:≥ 2.1mm Al
Electricity:4A	Anode Current:7mA ± 20%	Leakage Radiation:1meter ≤ 0.14mGy/h
Fuse:6.3A	Anode Angle:16°	Time Of Exposure:0.06—2.0s

MORE CLEAR IMAGES

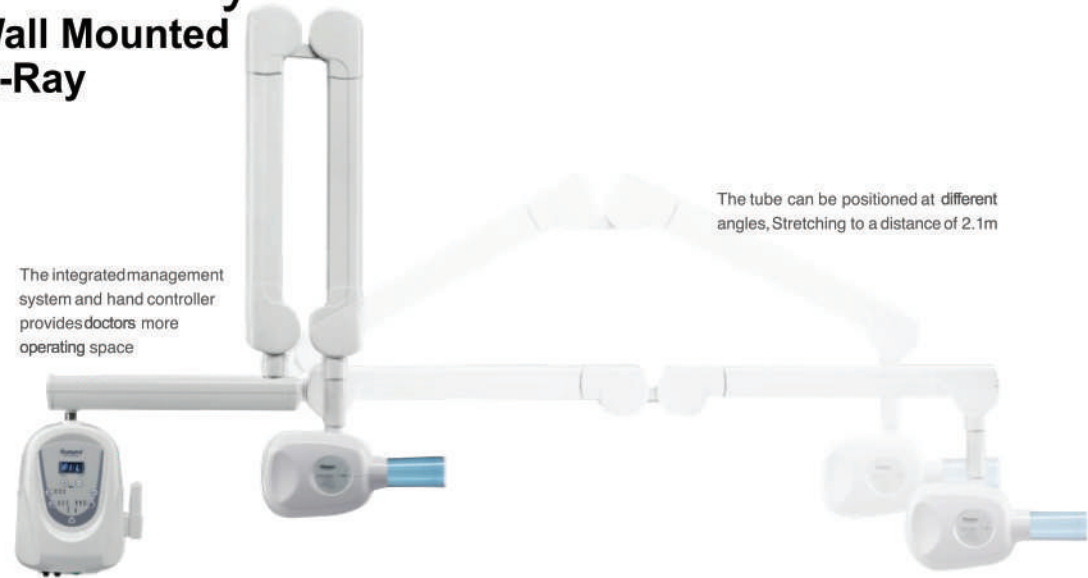
SHOW YOU CLOSER TO THE NEW VISION OF DENTISTRY

The worlds scenery is wonderful , ranging from the vast expanse of the starry sky to the wonderful and extraordinary micro-world. The human-beings are always on the way of exploring. In the field of dentistry, Runyes Group spent several years of painstaking research and finally had Runyes industrial frequency X-ray series coming out. With its simple and stylish design , convenient and easy operation , as well as the high-definition imaging quality , it quickly became popular all over the world, which is a milestone victory in the development history of Runyes Group.

- Microprocessor Control**
 Easy operation, the exposure time can be set automatically or manually as required
- Open Consumables**
 The industrial frequency series can use all types of dental ims on the market
- Special-designed Telescopic Arm**
 It is easy to take images without patient leaving the treatment table.

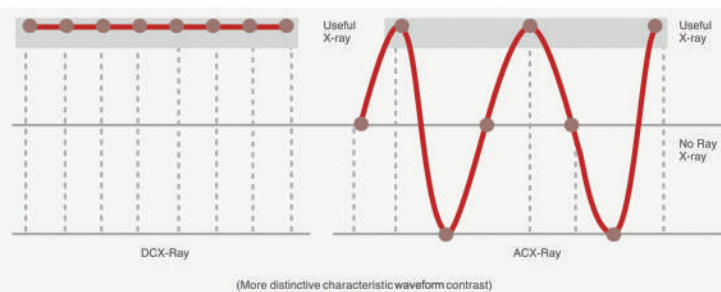
INNOVO CARE

DC X-Ray Wall Mounted X-Ray



Waveform Comparison

Voltage / Radiation



Parameters	Instruction	
Power Voltage:AC 230V	Bulb Tube:CANON D045-	Duty Cycle:30/1
Frequency:50/60Hz	Ray Focal Spot:0.4mm	Half Value Layer:65Kv
Maximum Power:1100VA	Bulb Tube Voltage:65KV ± %10	Inherent Filtration:≥ 2.1mm Al
Electricity:5A	Anode Current:7mA ± %20	Leakage Radiation:1meter ≤ 0.14mGy/h
Fuse:10A	Anode Angle:12.5	Time Of Exposure:2.0-0.01s

DC X-Ray

Canon 0.4 Micro Focus High-Voltage generator adopts Japan imported tube Strong power adaptability

EASY CONTROL

- Ergonomic design
- More comfortable to operate
- Fast and accurate positioning

30%

Exposure Time Reduced by

90%

Soft Rays Reduced by

120%

Imaging Quality Improved by

INNOVO CARE

DC X-Ray Mobile X-Ray



Parameters	Instruction	
Power Voltage:AC 230V	Bulb Tube:CANON D045-	Duty Cycle:30/1
Frequency:50/60Hz	Ray Focal Spot:0.4mm	Half Value Layer:65Kv
Maximum Power:1100VA	Bulb Tube Voltage:65KV ± %10	Inherent Filtration:≥ 2.1mm Al
Electricity:5A	Anode Current:7mA ± %20	Leakage Radiation:1meter ≤ 0.14mGy/h
Fuse:10A	Anode Angle:12.5	Time Of Exposure:2.0-0.01s

LOW RADIATION HIGH RESOLUTION IMAGING

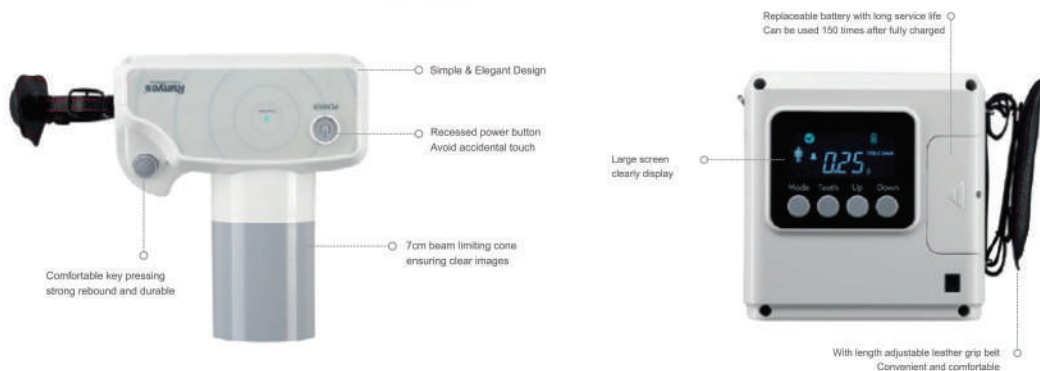
The new generation of Runyes high-frequency X-ray machine, the combination of products and technology provides high-quality imaging while reducing radiation, providing a safer experience for doctors and patients.

CORE ADVANTAGES OF HIGH FREQUENCY SERIES

- Novel design, perfectly match with your clinic.
- Adopting the method of «voltage preset and feedback adjustment with high control accuracy.
- Adopting closed-loop control, anode voltage (kV) and anode current (mA) will not be affected by input voltage fluctuations and are relatively stable.
- High-frequency dental X-ray machines can eliminate soft radiation, operators and patients will suffer less radiation dose
- The high frequency machine has stable output spectrum, with less scattered X-rays and clear images.

INNOVO CARE

Portable X-Ray



SMALLER SIZE, BUT WITH UNCHANGED EXCELLENT IMAGE

The compact hand-held design makes you free.
Single hand operation.
Without the shackle power cord.

PRODUCT FEATURES

A true high frequency chairside X-ray machine, ensures less radiation for the patient & operator.
Compact & single handed operational device.
2mA tube current, combines higher performance and higher definition imaging.
Adopt canon micro focus tube with focus 0,4mm, anode angle of 12.5.
Digitalised control machinery provides accuracy & stability.
Wide digital display for easy operation.



More applicable



Easy Operation



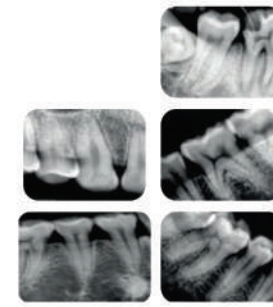
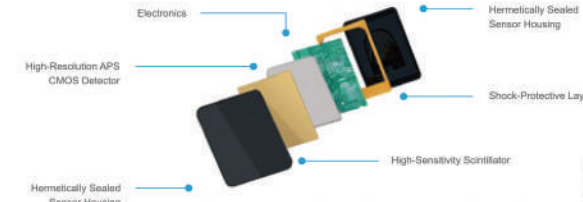
Clear image



Portable use

INNOVO CARE

Digital Sensor



Technical Specification	
Model	DS530
Chip Type	APS CMOS
Pixel Size	18.5um
Dimension	39×28.5×6mm
Active Area	30×22.5mm
Active Pixel Array	1600×1200mm
Image Pixel	1604×1204mm
Voltage (through USB connection)	5.0V±0.5V
Electricity Current(through USB connection)	≤500mA
Power	≤1W
Digitization	12/14/16 bit
Imaging Time	3-4s
Resolution	27lp/mm
Signal Output	USB

1.3 FOR FULL IMAGE

According to research data, the average height of the global molars is 22mm.

In order to make the product closer to patients and doctors, and to create the best palatability. We continue to explore the unknown until the arrival of DS530 size 1,3.

The superiority of Size1.3 perfectly solves the short comings of Size1 and Size 2 on the market.

Whatever you are an adult or a child, you can enjoy the comfort and convenience of a digital oral dentistry just with a DS530 sensor.

SUPER TOUGHNESS

Available For Liquid Disinfectant Immersion The sensor is tightly stitched Repeated verification by engineers Reach IPX7 waterproof level Can be disinfected with immersion Avoid secondary cross infection

HIGH ADAPTABILITY

Tens of thousands of tests have been carried out according to the actual use, and the product has super toughness and durability.

COMPATIBILITY

Applicable for almost all x-ray machines on the market

PIODON Laser System

Mercury Portable Dental Laser System

Think about adding a Mercury 3
dental laser to your patient

The quality of care you provide. UP

The types of procedures you can perform. UP

The profitability of your practice. UP

Operculectomy



Depigmentation



Troughing



Gingivoplasty



Ankyloglossia



Fibroma



- Our core team has 15 years of laser manufacturing history, and we only focus on medical lasers.
- We OEM for the world's top laser brands, complete thousands of units every year.
- We are the only new-generation company who rise so sharply in such a short term.
- 3 years warranty for device, 5 years warranty for laser module. (freight cost included)
- Complete accessories set equipped, due to our independent design, and R & D system.

Full range of accessories



Bare fibers



Disposable tips



Biostimulation handpiece
Whitening handpiece
TMJ handpiece

TECHNICAL SPECIFICATIONS

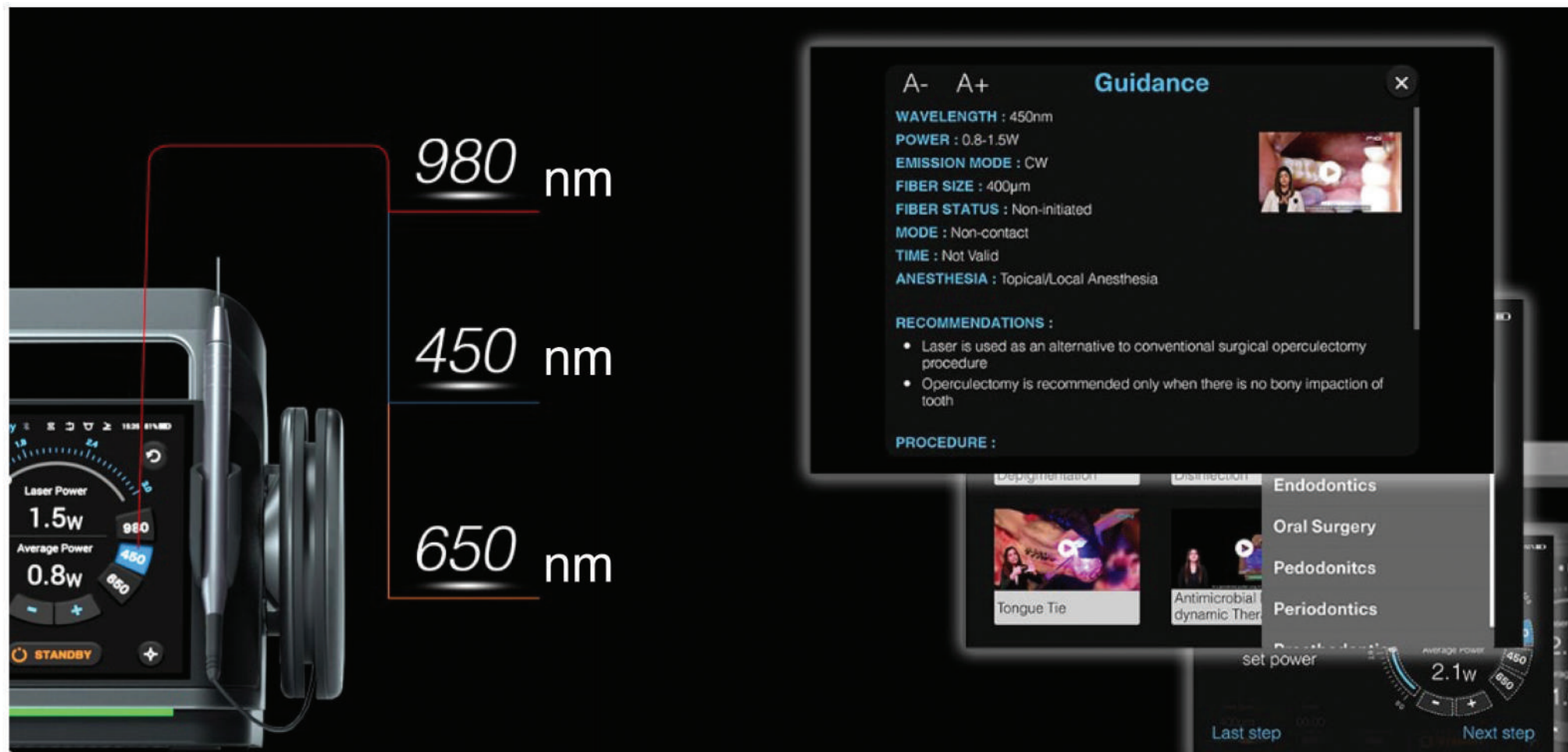
Wavelength	980nm / 810nm
Power	10 Watt / 7 Watt
Aiming Beam	650nm<5mW
Fiber Connection	Medical fiber: 200µm, 300µm and 400µm with standard SMA905 connector
Operating Modes	Continuous/Pulsed
Dimension	210* 160* 150mm
Weight	1.9kg





S3 Three-wavelength Dental Laser

the S3 dental diode laser(980nm+650nm+450nm) is becoming the most efficient and innovative dental laser in the world!



Clinical Teaching Video

detailed clinical parameters for each preset and multiple clinical instructional videos



S3™ Blue With Innovated Design

"S3™BLUE is designed to revamp the standards of dental surgery. This latest technology offers more range of benefits to both patients and dentists. It offers faster working time and a expanded horizon of dental treatment because of availability of multiple wavelengths in a single unit."

—PIOON TEAM

- ✦ Inbuilt procedures as Quick Mode, Customization as Expert Mode and Favorites can be saved as Hot Keys
- ✦ Inbuilt Protocols for greater safety
- ✦ Long Battery hours ensures treatment up to a week
- ✦ Compact, ultra high-resolution touch display
- ✦ Appropriate clinical tutorial videos for guidance
- ✦ 16 GB storage memory provides good space for storing clinical tutorial videos
- ✦ Super-fast cooling system
- ✦ Metallic robust casing
- ✦ Direct WIFI access enable to get the latest software updates and other expandable functions.
- ✦ Two hybrid solutions: 450/650/810 and 450/650/980
- ✦ Maximize scope of indications
- ✦ Effective treatment with specific wavelength for different dental procedure

57 specific presets, 8 categories

Working with leading dental laser specialists around the world, we have summarized tens of thousands of clinical data and analyzed them to come up with a professional and systematic preset category.



- Prosthodontics
- Aesthetic
- Pedodontics
- LLLT/Photobiomodulation
- Periodontics
- Implant

TECHNICAL SPECIFICATIONS

Wavelength	450nm (+/- 20nm) + 650nm + 980nm / 810nm
Power	3W + 200mW + 7W / 6W
Operating Modes	Continuous Wave (CW) / Pulsed
Frequency	Upto 25KHz
Duty Cycle	Variable
Display	7" HD vivid Touch-Screen
Control Software	Smart OS
Fiber Connection	Medical fiber: 200µm, 300µm and 400µm with standard SMA905 connecto
Aiming Beam	Wavelength - 650nm, Power - < 2mW
Dimensions (L+W+H)	225mm + 150mm + 150mm
Weight	≤2KG NW
Battery Capacity	3350mAh
Power Supply	18VDC 5A

Pioon Laser Technology Co., Ltd.
 3rd Floor, Zhiye Building, Great Wall Innovative Science Park, Wuhan, 430223, China
 Tel: +86 27 81783687
 sales@pioon.com
 http://www.pioon.com

1 Device - 3 Wavelengths - 3 Best Rendition

450nm - Blue Light - Faster Cutting Efficiency and Coagulation (Hemostasis) at Very Low Power Settings. Least Collateral Thermal Damage.

650nm - Red Light - LLLT (Low Level Laser Therapy) / Photobiomodulation for Faster Wound Healing and Pain-free Dental Treatments.

810/980nm - Infrared - Deeper Penetration for remarkable Disinfection in Periodontal and Endodontic Diseases.

EAA

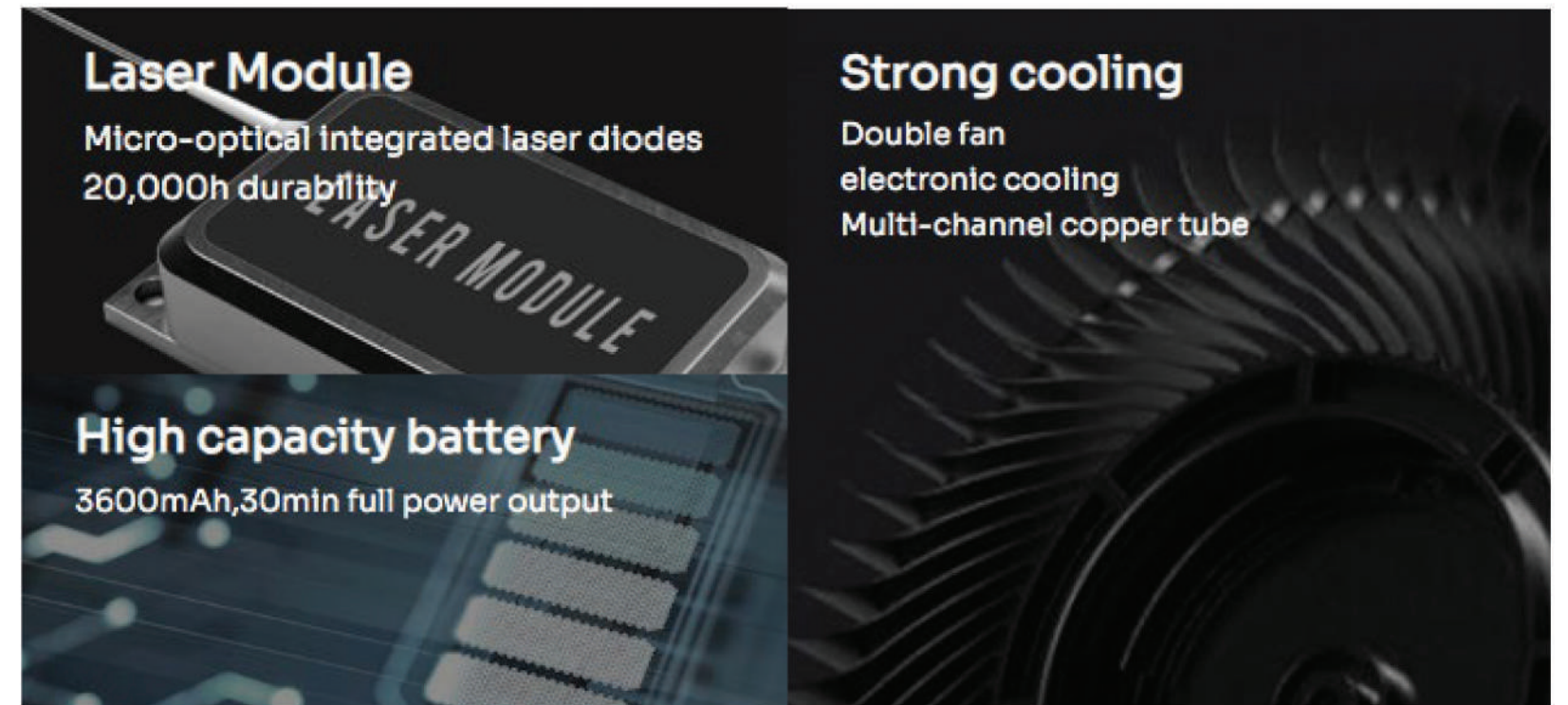
- E Effective
- A Advanced
- A Affordable

H1 Dental Diode Laser

The first Super-pulsed 980nm/20W dental laser in PIOON laser family

Perfect Design

Aluminum-magnesium alloy case
Weight 2KG NW
Dimensions 225mm*150mm*150mm



57 specific presets, 8 categories

Working with leading dental laser specialists around the world, we have summarized tens of thousands of clinical data and analyzed them to come up with a professional and systematic preset category.

- *Prosthodontics*
- *Periodontics*
- *Aesthetic*
- *Implant*
- *Pedodontics*
- *LLLT/Photobiomodulation*



Multi-Functional Handpiece

With the world's famous medical fiber, professional level optic transmission system, and precision technic system, making sure the long term reliability and consistent using of your laser machine



TMJ Therapy Handpiece

Relive the pain in Temporomandibular Joint Dysfunction Syndrome(TMD)



Biostimulation Handpiece

Low-level laser biostimulation can be applied in wound therapy to speed up the wound healing, prevent infection and relieve the pain



Whitening Handpiece

Whitening handpiece for teeth bleaching consist of whitening handpiece and bare fiber, contoured to treat an entire quadrant of teeth consistently and comfortably





RN-A5

Standard specifications:

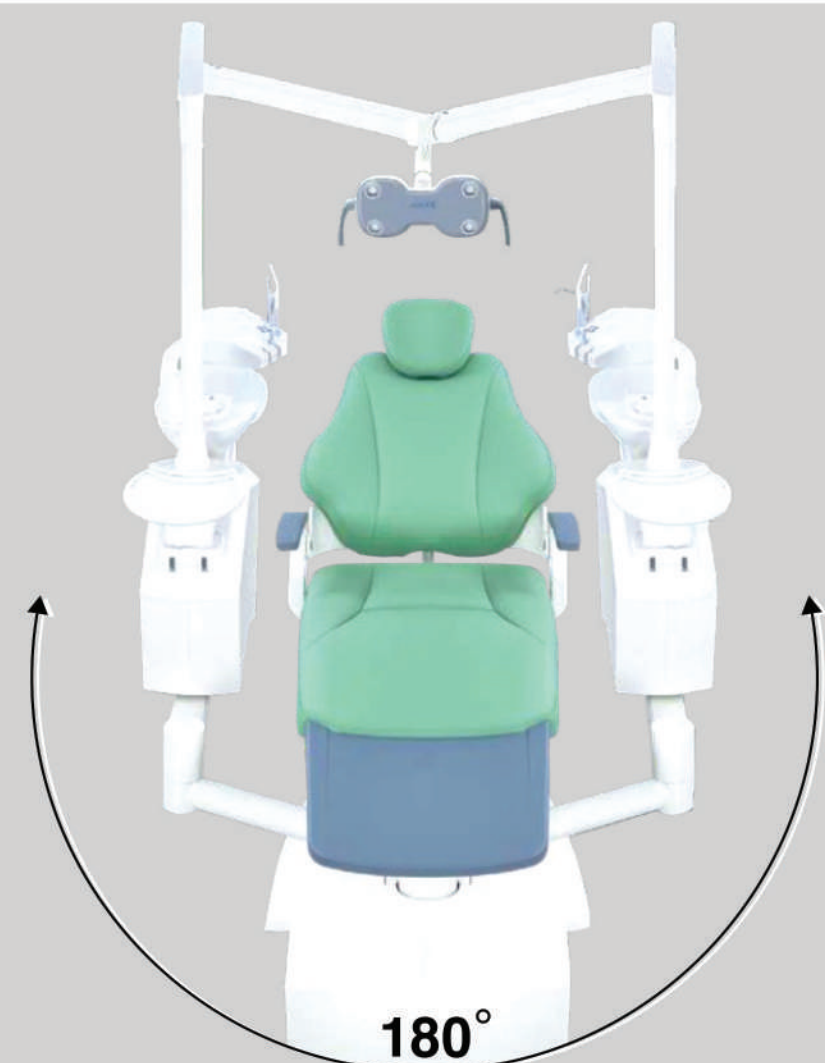
- Low -mounted instrument tray 1 Set
- -4hole headpiece tubing 3 Set
- Dental chair pu leather
- Safety stop
- Removable Glass spittoon 1 Set
- Operating led light with sensor 1 Set
- 24 v x-ray film viewer 1 Set
- High and low saliva ejector 1 Set
- -3way syringe 2 Set
- Foot control(with self -lock function) 1 Set
- Water tank 1 Set
- Bulit out junction box 1 Set
- Water and air tubes made in USA
- Water heater 1 Set
- Glass shelf 1 Set
- Adjustable head rest
- Motor chair control system with 3 memory programs 1 Set
- Auto spitton flush and cup filler control system
- Synchronization movement

Technical specifications :

- Power voltage :220v /50 hz
- Motor voltage :24 v
- Water pressure :0.2mpa0.4-mpa
- Air pressure :0.5mpa0.8-mpa

RN-A5





RN-B2

Standard specifications:

- Low -mounted instrument tray 1 Set
- 4-hole headpiece tubing 3 Set
- Removable instrument tray 1 Set
- Dental chair pu leather
- Safety stop
- Removable Glass spittoon 1 Set
- Tunable high -grade led light with sensor 1 Set
- 24 v x-ray film viewer 1 Set
- High and low saliva ejector 1 Set
- 3-way syringe 2 Set
- Multifunction Foot control (with self -lock function) 1 Set
- Water tank 1 Set
- Water and air tubes made in USA 1 Set
- Water heater
- Adjustable head rest 1 Set
- Auto spitton flush and cup filler control system 1 Set
- Panoramic x-ray viewer
- Synchronization movement
- 9 memory programs 1 Set

Technical specifications :

- Power voltage :220v /50 hz
- Motor voltage :24 v
- Water pressure :0.2mpa-0.4mpa
- Air pressure :0.5mpa-0.8mpa

RN-B2





RN-C3

Standard specifications:

- Low -mounted instrument tray 1 Set
- 4-hole headpiece tubing 3 Set
- 9 memory programs
- Dental chair pu leather
- Safety stop
- Removable Glass spittoon 1 Set
- Tunable high -grade led light with sensor 1 Set
- 24 v x-ray film viewer 1 Set
- High and low saliva ejector 1 Set
- 3-way syringe 2 Set
- Multifunction Foot control (with self -lock function) 1 Set
- Water tank 1 Set
- Built out junction box 1 Set
- Water and air tubes made in USA
- Water heater 1 Set
- Adjustable head rest 1 Set
- Auto spitton flush and cup filler control system
- Synchronization movement

Technical specifications :

- Power voltage :220v /50 hz
- Motor voltage :24 v
- Water pressure :0.2mpa-0.4mpa
- Air pressure :0.5mpa-0.8mpa

RN-C3





RN-C2

Standard specifications:

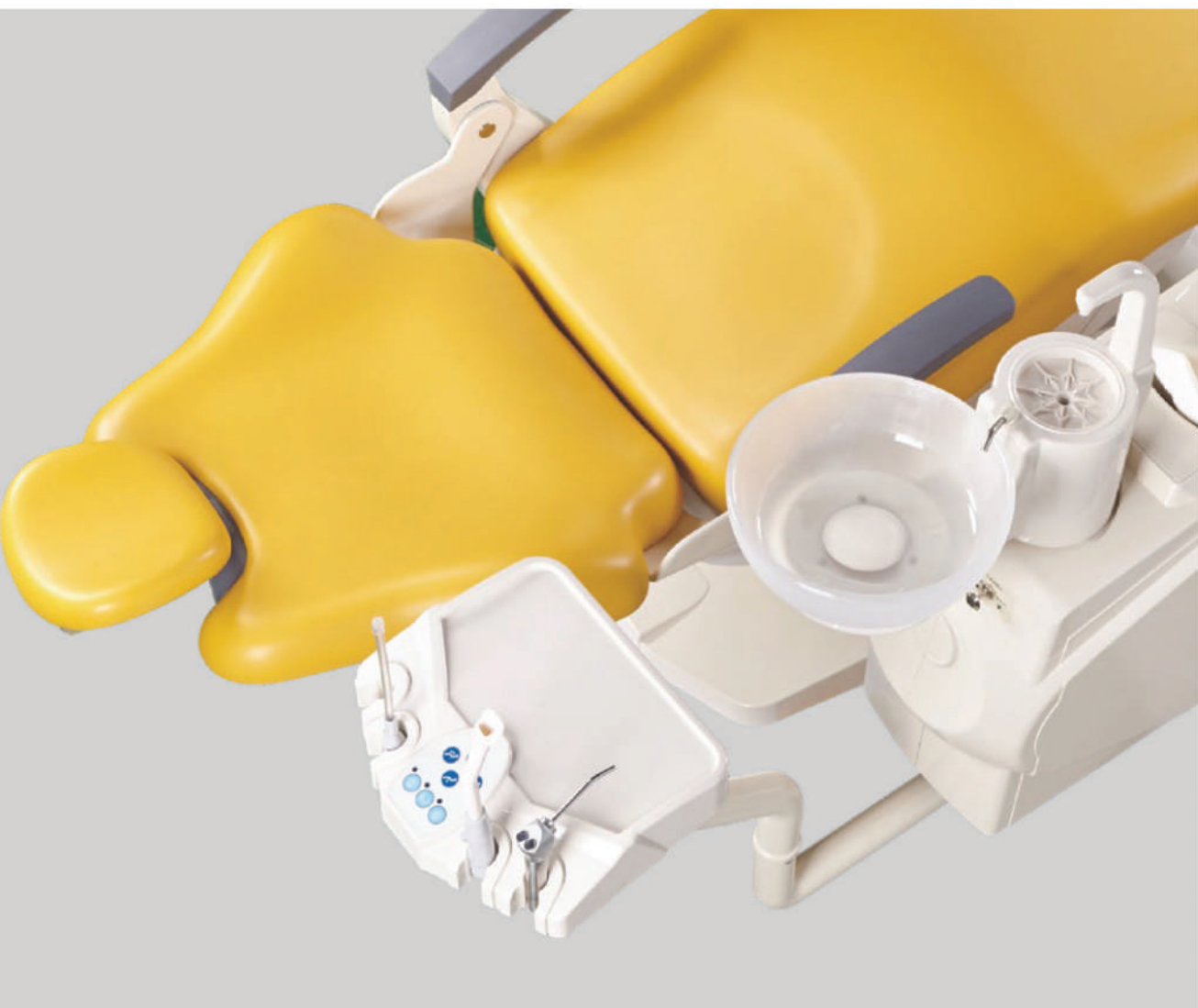
- Low -mounted instrument tray 1 Set
- -4hole headpiece tubing 3 Set
- Dental chair pu leather
- Safety stop
- Removable Glass spittoon 1 Set
- Operating led light with sensor 1 Set
- 24 v x-ray film viewer 1 Set
- High and low saliva ejector 1 Set
- -3way syringe 2 Set
- Foot control 1 Set
- (with self -lock function)
- Water tank 1 Set
- Built out junction box 1 Set
- Water and air tubes made in USA
- Glass Shelf 1 Set
- Water heater 1 Set
- Adjustable head rest 1 Set
- Motor chair control system with 3 memory programs 1 Set
- Auto spitton flush and cup filler control system
- Synchronization movement

Technical specifications :

- Power voltage :220v /50 hz
- Motor voltage :24 v
- Water pressure :0.2mpa0.4-mpa
- Air pressure :0.5mpa0.8-mpa

RN-C2





RN-C1

Standard specifications:

- Low -mounted instrument tray 1 Set
- -4hole headpiece tubing 3 Set
- Dental chair pu leather
- Safetya stop 1 Set
- Removable Glass spittoon 1 Set
- Tunable high -grade led light with sensor 1 Set
- 24 v x-ray film viewer 1 Set
- High and low saliva ejector 2 Set
- -3way syringe 1 Set
- Multifunction Foot control (with self -lock function) 1 Set
- Water tank 1 Set
- Bulit out junction box
- Water and air tubes made in USA
- Water heater
- Adjustable head rest 1 Set
- memory programs
- Auto spitton flush and cup filler control system 1 Set
- Synchronization movement 1 Set

Technical specifications :

- Power voltage :220v /50 hz
- Motor voltage :24 v
- Water pressure :0.2mpa0.4-mpa
- Air pressure :0.5mpa0.8-mpa

RN-C1





Dental Units



RN-6800



Dental Units



RN-A2



RN-A2



Dental Units



RN-3600 UPGRADE

Standard specifications:

- Low -mounted instrument tray
- 4-hole headpiece tubing
- Dental chair pu leather
- Safety stop
- Operating led light
- 24 v x-ray film viewer
- High and low saliva ejector
- 3-way syringe 2 sets
- Foot control(with self -lock function)
- Water tank
- Built out junction box
- Water and air tubes made n USA
- Water heater
- Adjustable head rest
- Auto spitton flush and cup filler control system

1 Set
3 Set

1 Set
1 Set
1 Set
2 Set
1 Set
1 Set
1 Set

Technical specifications :

- Power voltage :220v /50 hz
- Motor voltage :24 v
- Water pressure :0.2mpa-0.4mpa
- Air pressure :0.5mpa-0.8mpa

RN-3600 UPGRADE



Dental Units



RN-3600 Plus

Standard specifications:

- Low -mounted instrument tray
- 4-hole headpiece tubing
- Dental chair pu leather
- Safety stop
- Operating led light
- 24 v x-ray film viewer
- High and low saliva ejector
- 3-way syringe 2 sets
- Foot control(with self -lock function)
- Water tank
- Built out junction box
- Water and air tubes made n USA
- Water heater
- Adjustable head rest
- Auto spitton flush and cup filler control system

Technical specifications :

- Power voltage :220v /50 hz
- Motor voltage :24 v
- Water pressure :0.2mpa-0.4mpa
- Air pressure :0.5mpa-0.8mpa

1 Set
3 Set

1 Set
1 Set
1 Set
2 Set
1 Set
1 Set
1 Set



Dental Units



RN-3600

Standard specifications:

- Low -mounted instrument tray 1 Set
- 4-hole headpiece tubing 3 Set
- Dental chair pu leather
- Safety stop
- Operating led light 1 Set
- 24 v x-ray film viewer 1 Set
- High and low saliva ejector 1 Set
- 3-way syringe 2 sets 2 Set
- Foot control(with self -lock function) Water tank 1 Set
- Built out junction box 1 Set
- Water and air tubes made n USA
- Water heater
- Adjustable head rest
- Auto spitton flush and cup filler control system

Technical specifications :

- Power voltage :220v /50 hz
- Motor voltage :24 v
- Water pressure :0.2mpa-0.4mpa
- Air pressure :0.5mpa-0.8mpa



Dental Units



RN-3500

Standard specifications:

- Low -mounted instrument tray 1 Set
- 4-hole headpiece tubing 3 Set
- Dental chair pu leather
- Safety stop
- Removable Glass spittoon 1 Set
- Operating led light 1 Set
- 24 v x-ray film viewer 1 Set
- High and low saliva ejector 1 Set
- 3-way syringe 2 sets 2 Set
- Foot control(with self -lock function) Water tank 1 Set
- Built out junction box 1 Set
- Water and air tubes made n USA
- Water heater
- Adjustable head rest
- Auto spitton flush and cup filler control system

Technical specifications :

- Power voltage :220v /50 hz
- Motor voltage :24 v
- Water pressure :0.2mpa-0.4mpa
- Air pressure :0.5mpa-0.8mpa



PORTABLE X-RAY

Competitors

- Blurry image
- Difficult to distinguish



REFINE

- Clear image
- richness in detail
- Leading the domestic
- Equal to the international famous brands

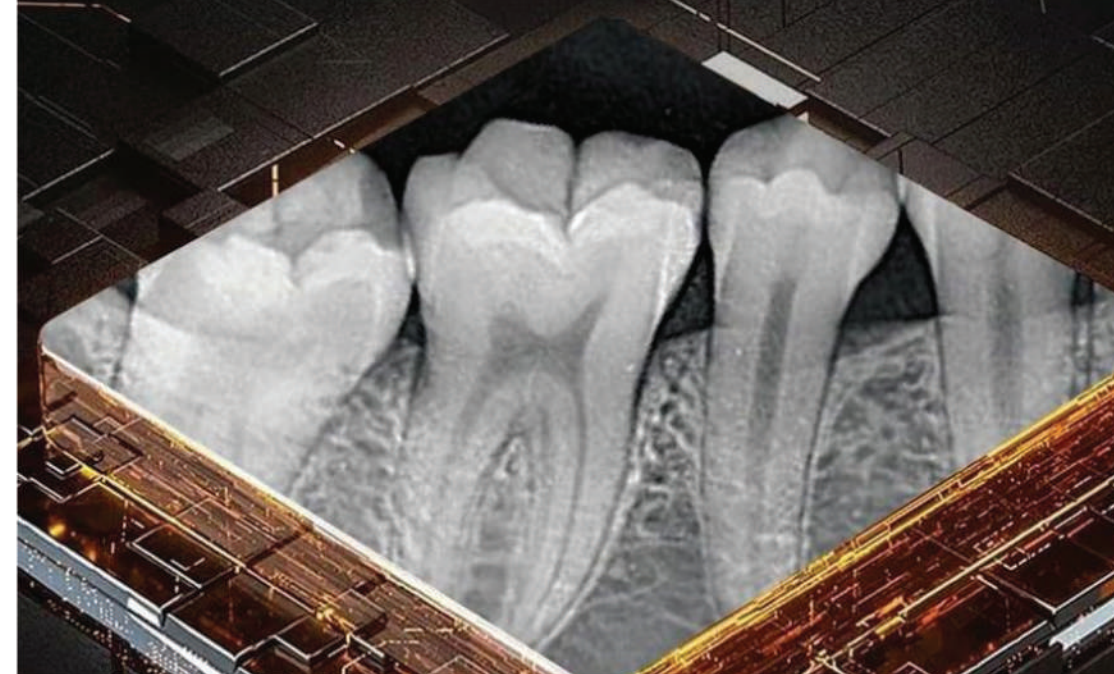


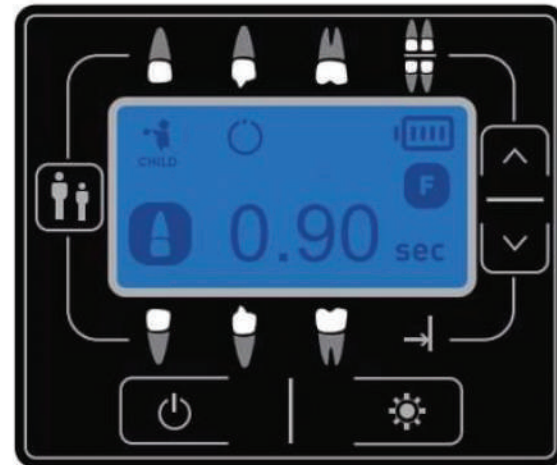
	Refine
Tube voltage	60KV%5±
Tube current	2mA %5±
Ray focus	0.4mm
Inverter frequency	400kHz

CLEAR ROOT CANALS

Refine VeRay Portable High-frequency Dental X-ray

- 60kv, 2mA Stable Output
- Precise Control of Voltage, Current & Exposure Time
- Double-loop Control, 400kHz High-frequency Inverter
- Quality Imaging, Stable Performance





Ergonomic design

Shoot different teeth, fine-tune the shooting time, and achieve personalized and precise control

High capacity lithium battery

950 mAh ultra high capacity battery, battery can be replaced, low cost of use

Technical Parameter

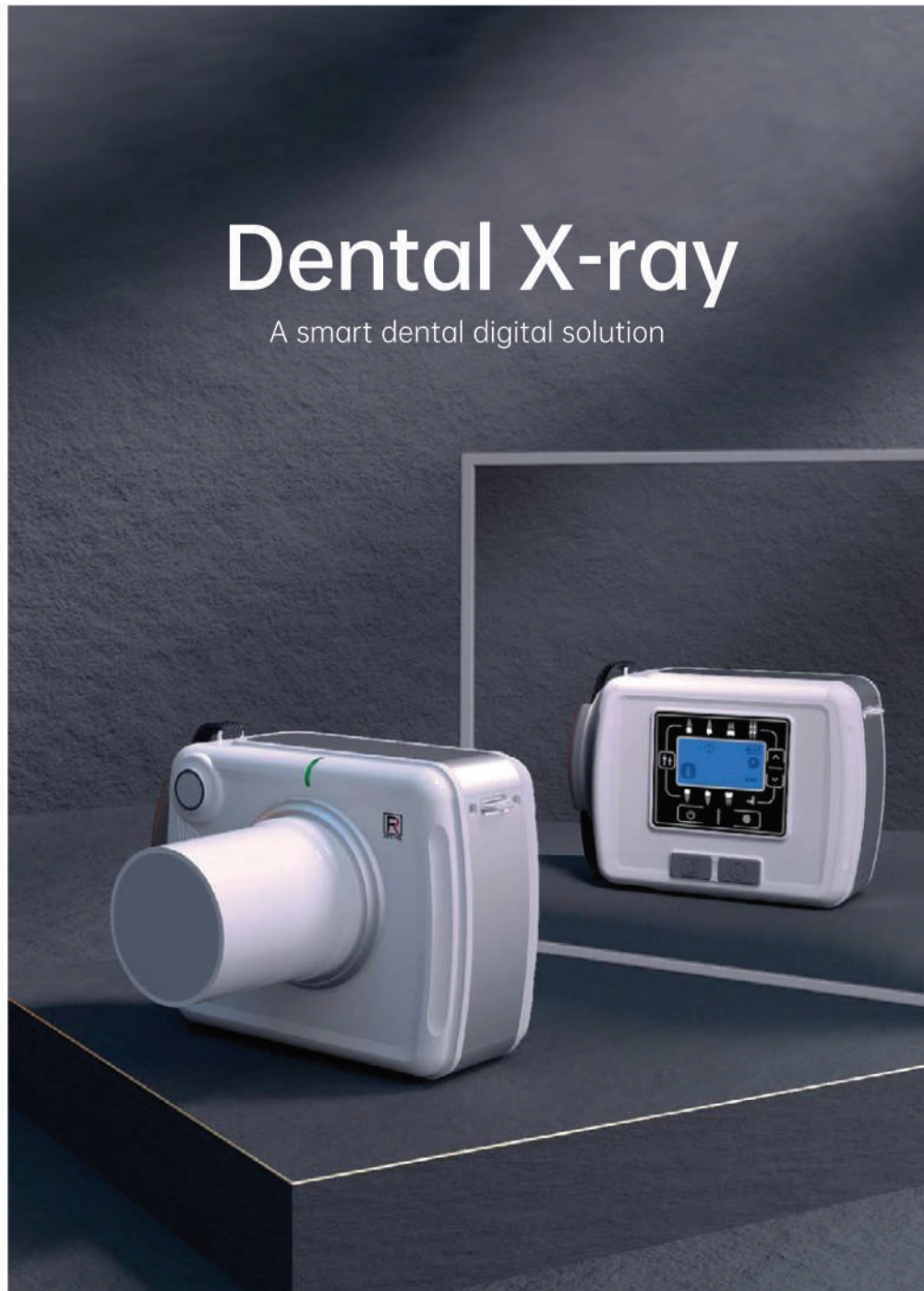
Tube Voltage 60KV	Highest Voltage 70KV	Tube Current 2mA
Exposure Time 0.01-2s	Focus 0.4mm	Anode Target Angle 12°
Total Filtration 1.0mmAl	Battery Capacity 950mAh	



**Shorter Exposure Time,
Less Harmful Radiation**

Dental X-ray

A smart dental digital solution



High Performance

Thick walls protect doctors and patients, One dose of radiation is just equal to eat 1 banana.

LP mode

TOMS Intelligent production system to escort production process.

Smoothy After-sales service

React to your request within 24 hours

Elegant outlook design

- The design is simple.
- The line is smooth.
- The material is exquisite.
- Tactile impression is exquisite.

Super-high cost-effective

Totally compared with the same category of high performance overseas, provide more stable & preferential prices

specifications

Model	R1	R2
Detector Technology	APS CMOS	APS CMOS
Scintillator	CsI	CsI
Theoretical Resolution	25lp/mm	25lp/mm
True Resolution	20lp/mm	20lp/mm
Pixel Matrix	1000*1500	1300*1800
Active Area(mm)	20*30	26*36
Mechanical Size(mm)	25.4*36.8*4.4	30.4*41.9*4.4
Data interface	USB 2.0	USB 2.0
AD Conversion(bit)	16	16
Protection	IP68	IP68



Dental Sensor



Encapsulation layer

Protects scintillator

CsI scintillator

Directly deposited CsI
Low Dose (LD) and
High Resolution (HR)
options



APS CMOS image sensor

Low noise CMOS image
sensors In-house design and
process

Multi-languages

Convenient for dentists in different countries and regions.



User-Friendly

Simple user interface and easy

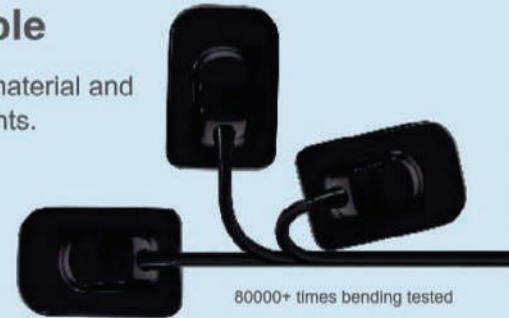
Stable

Over 50000+ without imaging quality loss.



Reliable

Durable material and components.



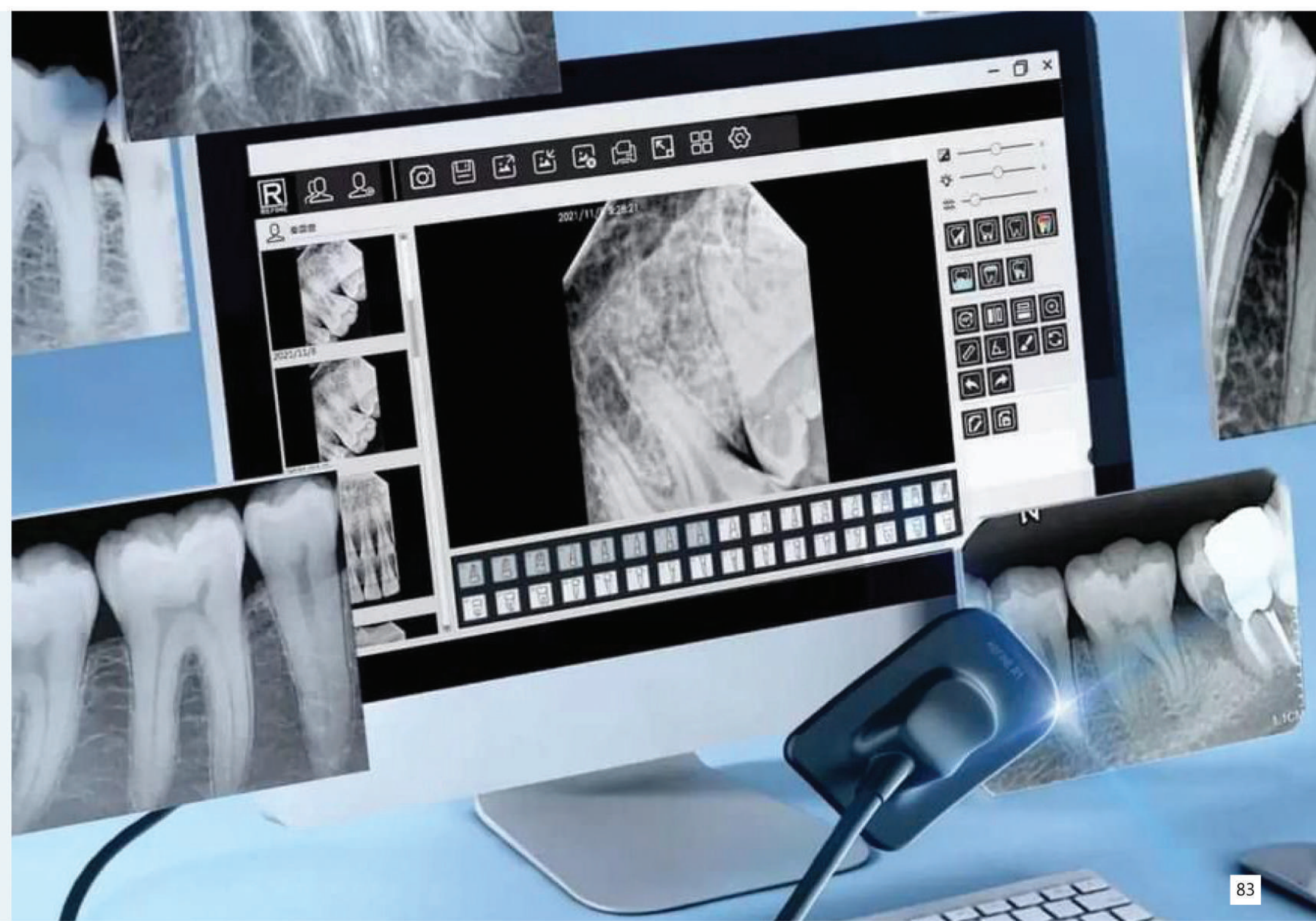
Practical

Compact overall design
Space-saving
Chair-side shooting
High resolution.



Ultra-slim design

4.4mm sensor, enables maximum patient comfort.



Hot Melt Gutta Percha Filling Machine

MaxFill-G MaxFill-P



84



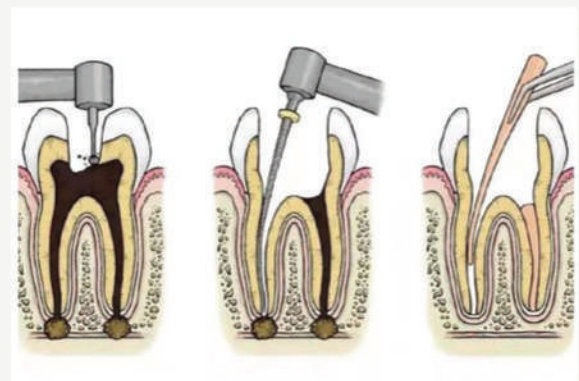
85

MaxFill-P

Gutta-percha Obturation System

- Intelligent Temperature Control
1 sec fast heating, fast cutting gutta-percha, and 1 sec fast cooling to ensure safety of patients.
- Pre-bending hot tip
- Six angles optional for different operating situations
- Ergonomic design
Handles are designed to be well-fitted to user's natural grip, comfortable and easier to operate.
- 4 hours super-long duration, quick charge

Specification:
Power input 100-240VAC 50Hz/60Hz 0.8A
Power output DC 15V/1.6A
Battery 1900mAh



MaxFill-G

Gutta-percha Obturation System

- Intelligent Temperature Control
Quick preheating within 15 sec without long waiting time. Four default temperature (150°C 180°C 200°C 230°C), fast switch by one-click. High precision temperature control ensuring uniform hardness for gutta-percha
- 360 degree injection needle
Easily rotate angle for filling
Made of 99.9% pure silver with good thermal conductivity, flexible and durable
- Ergonomic design
Handles are designed to be well-fitted to user's natural grip, comfortable and easier to operate.
- 4 hours super-long duration, quick charge



iMotor

- ★ 360°rotatable contra-angle 16: 1 handpiece
- ★ Adapted to all main file systems in the market
- ★ In-built 12 main file systems
- ★ Auto reverse function
- ★ 10 customized programs

Specification:

Speed range: 120~650rpm

Torque range: 0.5~4.0N.cm

Battery: 1900mAh



A7 Apex Locator

Input (charge the battery): DC 5V 1A

AC Adapter: 100-240VAC 50Hz/60Hz

Battery: NCM 14500 Rechargeable Li-ion Battery DC 3.7V/800 mAh

Rated Power: ≤0.5W

Measurement Voltage: AC 200mV

Measurement Current AC: AC 100μA

Control Unit Dimensions: L130 mm × W112 mm × H23.5 mm

Weight: 370 gms (including battery)

A7 APEX LOCATOR





REFINE

lightcure maxcure

Standard specifications:

- Wave length 385~515nm
- Power input: 100-240VAC 50Hz/60Hz
- Power output: DC 5V/1A
- Battery: 2600mAh, can be used over 1300 times under 10 sec mode
- Two modes optional:
Turbo mode: P1: 2300-2500mW/cm², 1s, 3s
Normal mode: P2: 1000-1200mW/cm², 5s, 10s, 15s, 20s
- **Color:** Black



- 1.Wave lenth 515~385 nm
- 2.Battery voltage and capacity
3.6v/2600mAh
- 3.Turbo Mode
P1: 2500-2300 mW/cm² ,1s,2s
- 4.Normal Mode :
P2 :1000-1200mW/cm² ,5s,10s, 15s, 20s



MaxCure3

3 modes optional

Full-Power Progressive Pulse

Light Intensity:1200-1600 mW/cm²

Unique technology of light concentration, ensuring straight illumination and strong penetrability.

The latest LED brings about high efficiency and well heat dissipation, prolonging life of the light sources.

Lithium battery with overcurrent and overvoltage protector, guaranteeing a secure process while charging. Under 10-sec mode, MaxCure3 can be used over 600 times after sufficient charge.

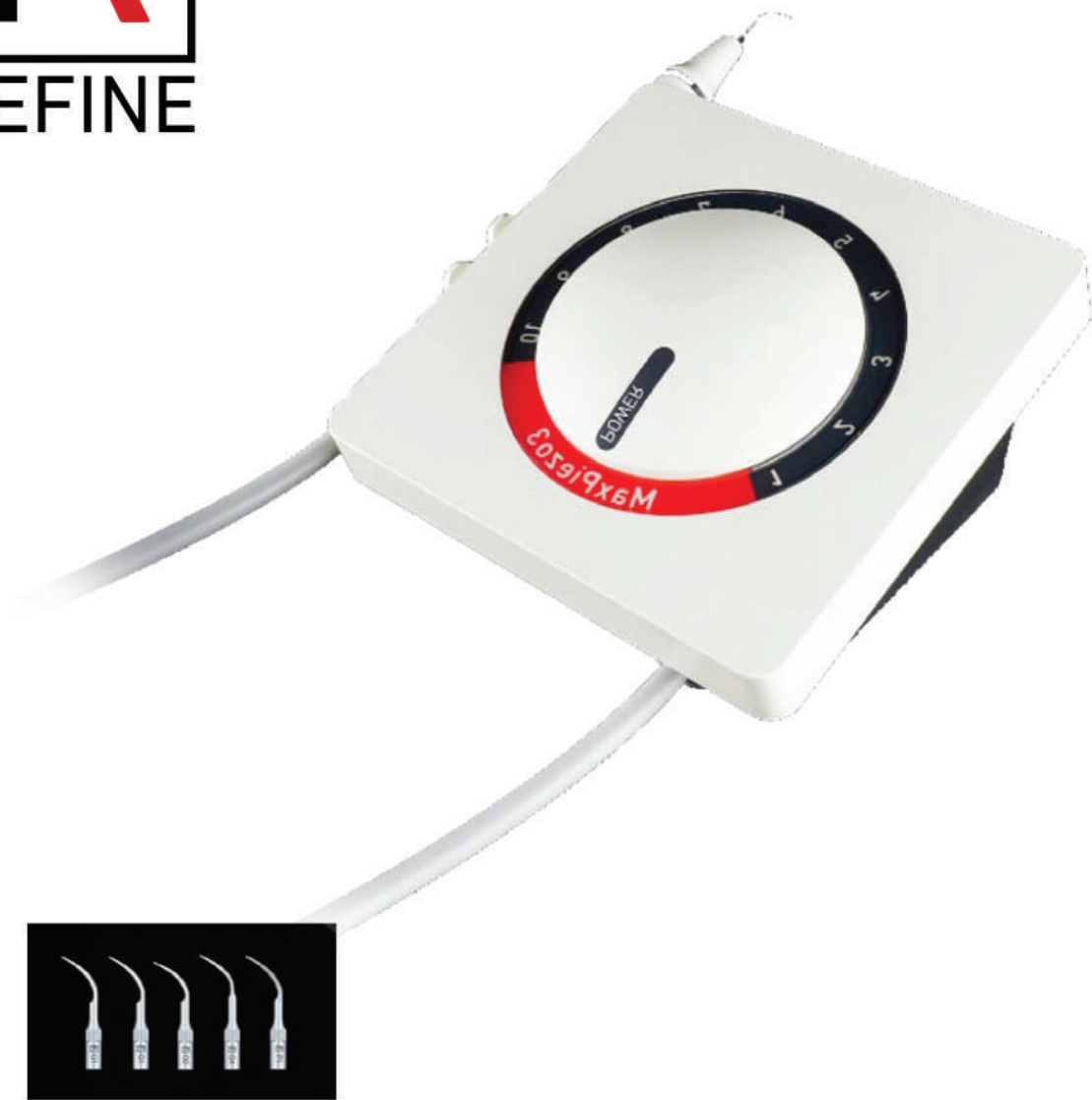
Constant light intensity output, light intensity will not reduce when battery lows.

Type-C USB

Autoclavable optical fiber effectively avoiding cross infection.



MaxPiezo 3 Ultra Sonic Scalers

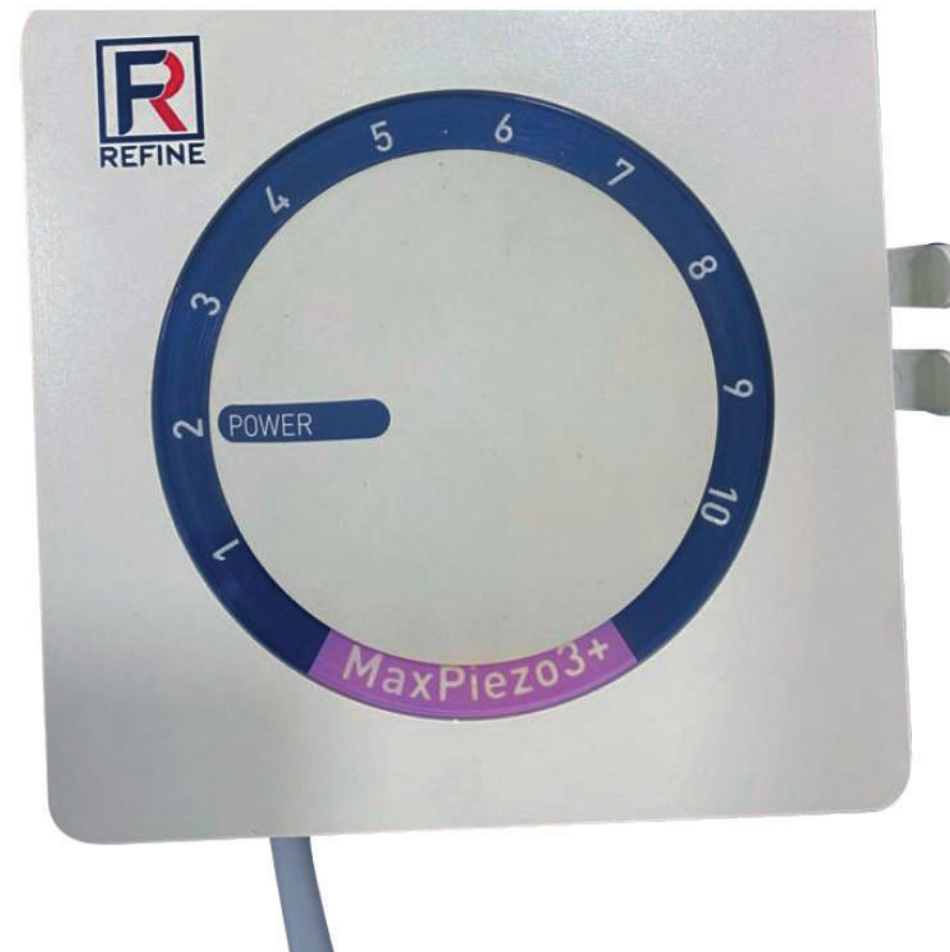


*Finger-Tip Control for Effortness
power Adjustment*

Power input	~220V 50Hz/~115V 60Hz
Main Unit Input	~24V 50Hz 1.3A
Frequency	28kHz+_3KHz
Water Pressure	0.1 bar~5bar(0.01MPa~0.5Mpa)
Package Size	375mm*305mm*120mm
Weight	2.4kg



MaxPiezo 3+ Ultra Sonic Scalers



*Finger-Tip Control for Effortness
power Adjustment*



MaxPiezo 5
Ultra Sonic Scalers



Touch Panel For Easy Operation and Perfection

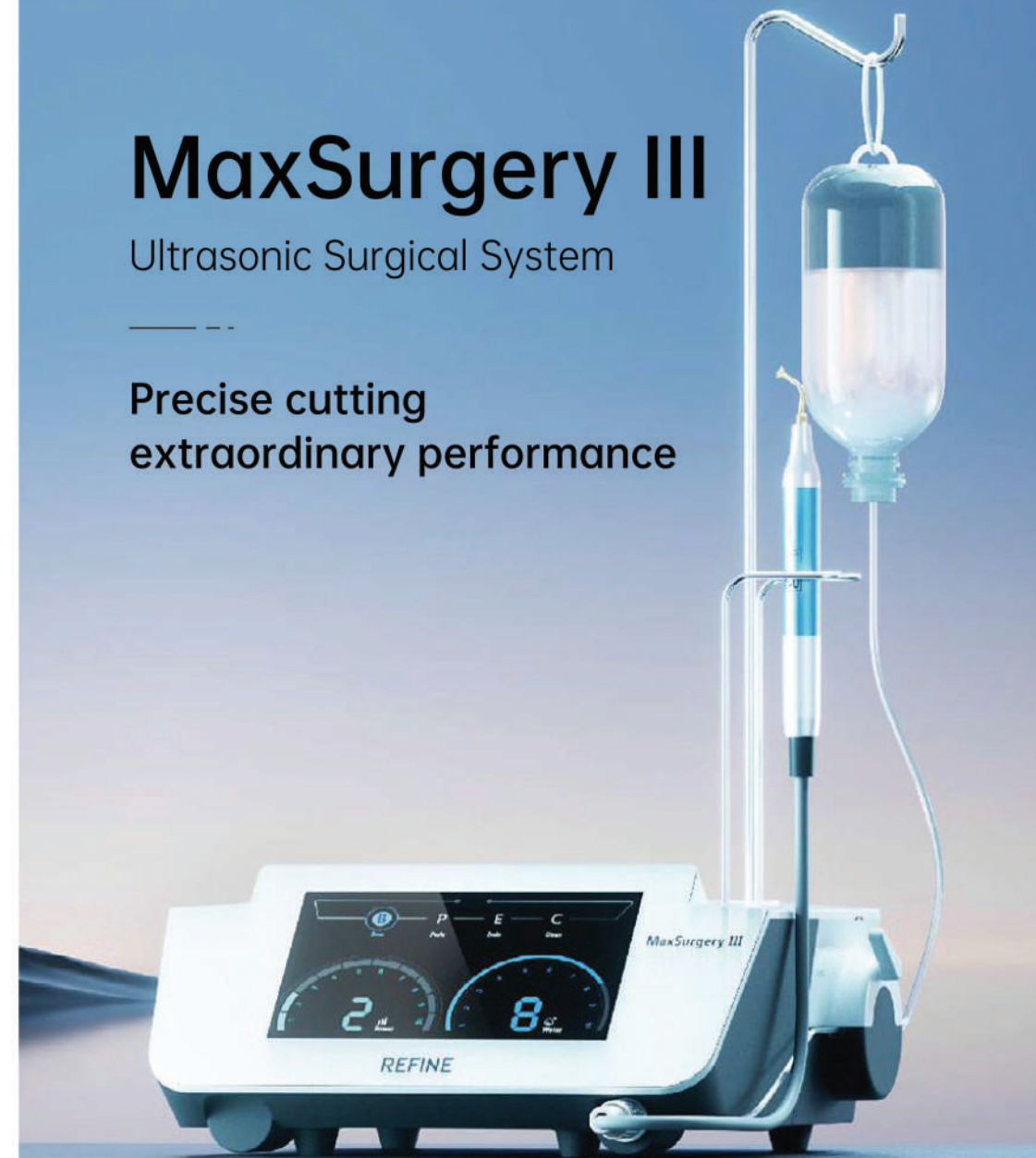
*Efficiency is maximal
 Comfort is Optimal*

Power input ~220V 50Hz/~115V 60Hz
 Main Unit Input ~24V 50Hz 1.3A
 Frequency 28kHz+_3KHz
 Water Pressure 0.1 bar~5bar(0.01MPa~0.5Mpa)
 Package Size 375mm*305mm*120mm
 Weight 2.4kg

MaxSurgery III

Ultrasonic Surgical System

**Precise cutting
 extraordinary performance**



Efficient

28.57% higher cutting efficiency compared to other brands.

Refine MaxSurgery III

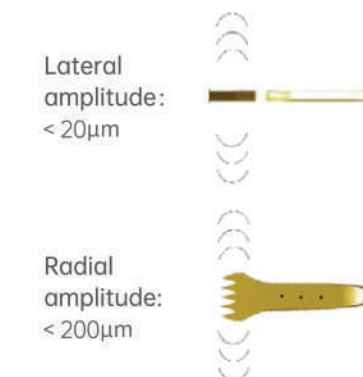


Z Brand



Minimally Invasive Cutting

Micron level vibration resulting in high cutting precision that can effectively reduce bone loss, and the cutting edge is smoother.



4 Modes Optional

B : Bone Cutting Mode for Minimally Invasive Tooth Extraction, Wisdom Tooth Extraction, Uprooting, Implant Removal, External Fenestration, Bone Graft, Cystectomy, Sinus Lift, Autologous Bone Harvesting, Harvesting Alveolar Splitting and Orthodontic PAOO Surgery etc.

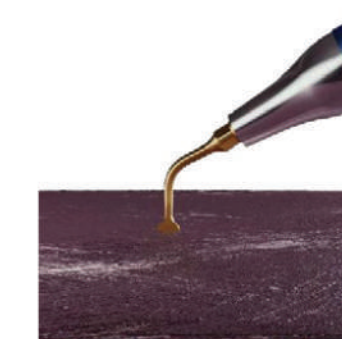
P : Periodontal Mode for root planing, crown lengthening, fine osteoplasty etc.

E : Endo Mode for root tip inverted preparation and root tip debridement etc.

C : Cleaning Mode for cleaning water pipes and flushing wounds with normal saline etc.

Only activated on hard tissue

Oscillation frequency 26 ± 3KHz
 Only activated on hard tissue, no hurt to soft tissue

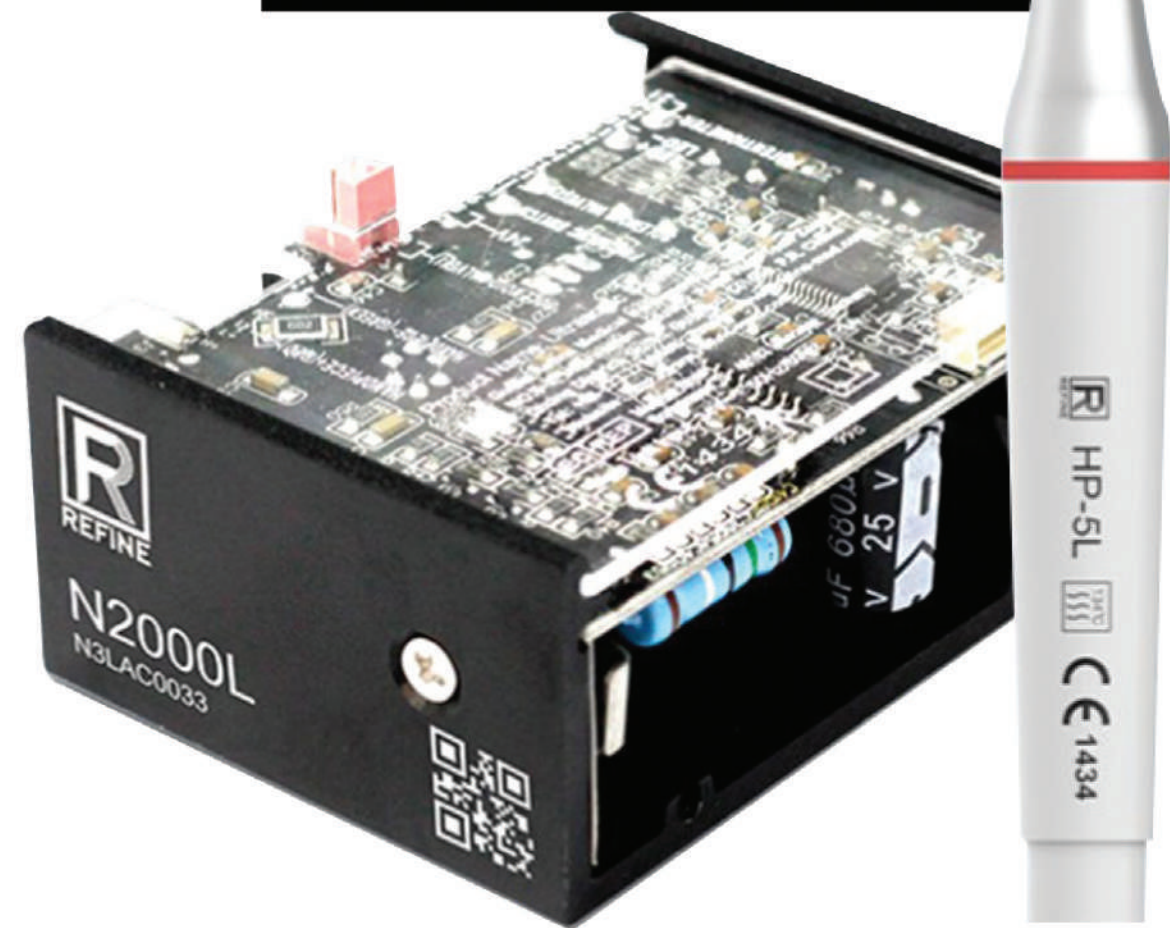




N2000L

Built-in Ultrasoni

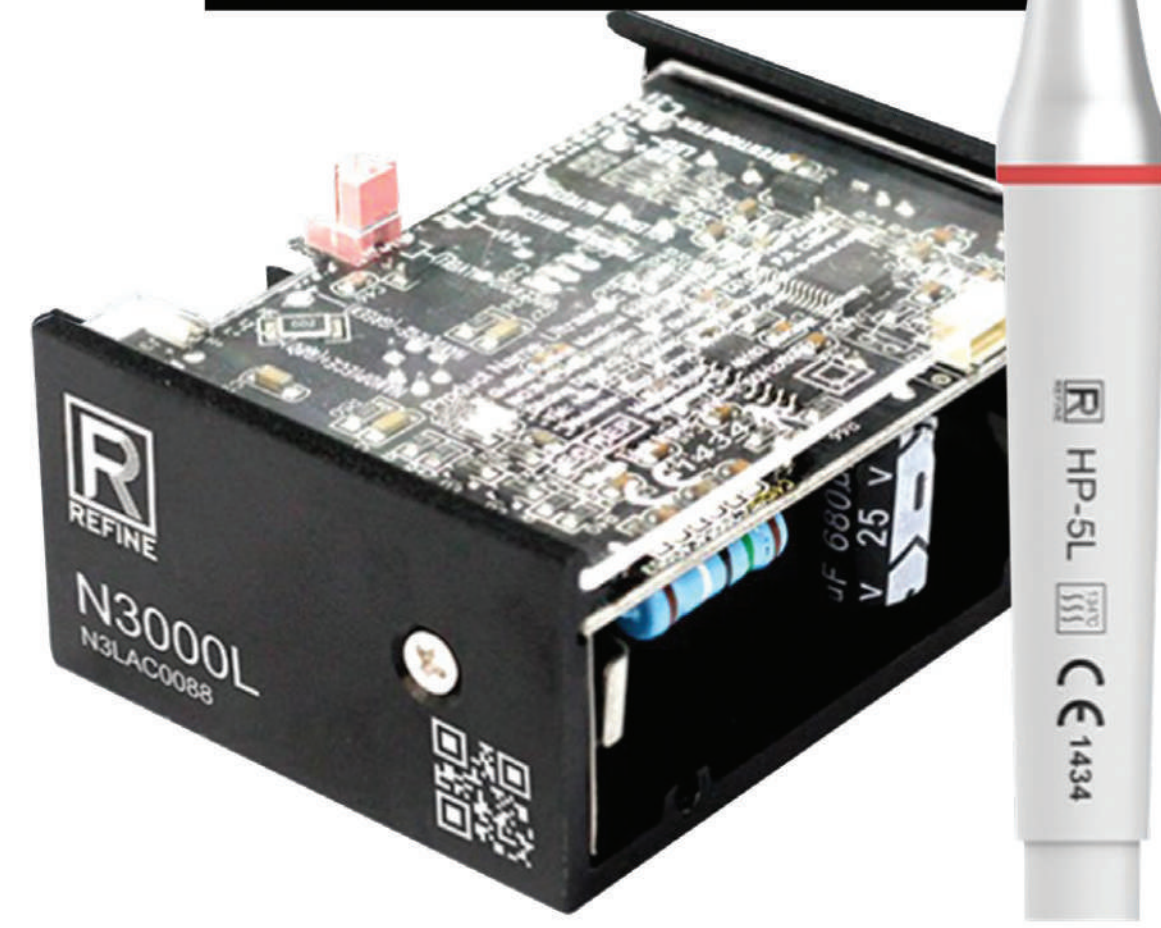
SCALER



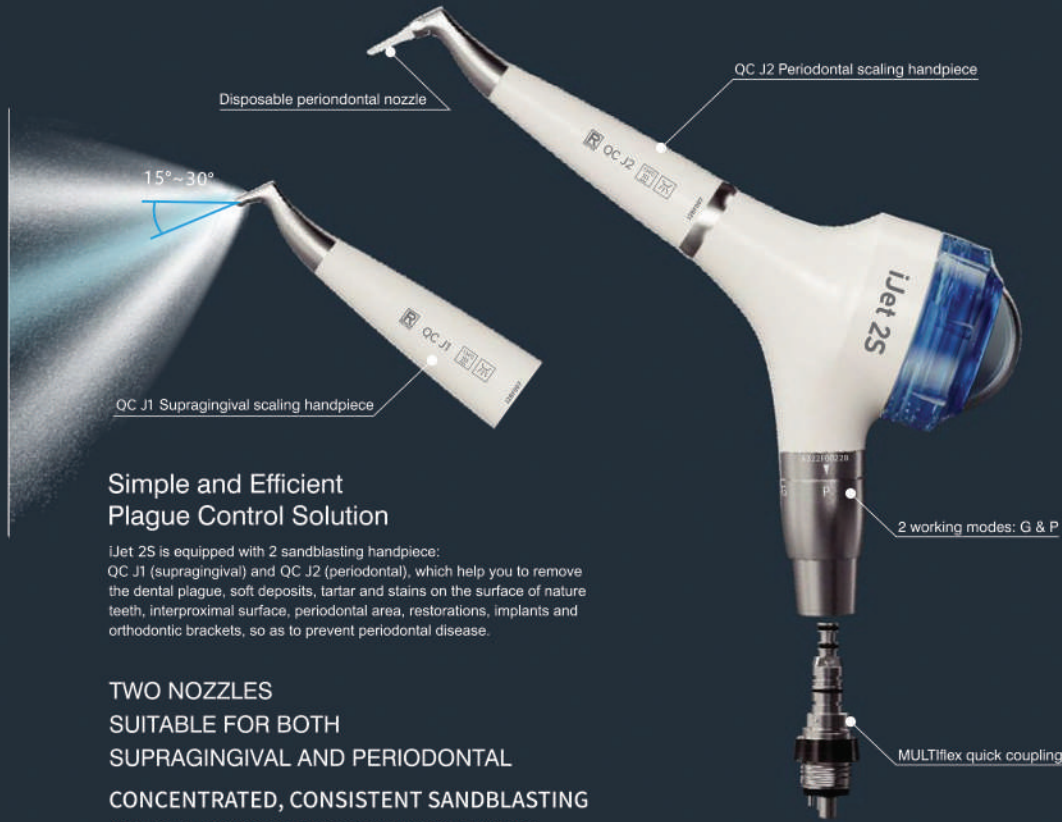
N3000L

Built-in Perio-endo

Ultrasonic scaler



iJet 2S



Simple and Efficient Plaque Control Solution

iJet 2S is equipped with 2 sandblasting handpiece: QC J1 (supragingival) and QC J2 (periodontal), which help you to remove the dental plaque, soft deposits, tartar and stains on the surface of nature teeth, interproximal surface, periodontal area, restorations, implants and orthodontic brackets, so as to prevent periodontal disease.

**TWO NOZZLES
SUITABLE FOR BOTH
SUPRAGINGIVAL AND PERIODONTAL
CONCENTRATED, CONSISTENT SANDBLASTING
STABLE, CONTINUOUS CLEANING EFFECT**

iJet's unique nozzle design makes sandblasting more concentrated, and can easily handle areas that are not easy to clean, such as occlusal surfaces, gap spaces, orthodontic brackets, etc. It can also polish the tooth surface during the scaling treatment, so that plaque and pigment are not easy to reattach.



Supragingival scaling



Periodontal scaling (<3mm)



Interproximal surface scaling

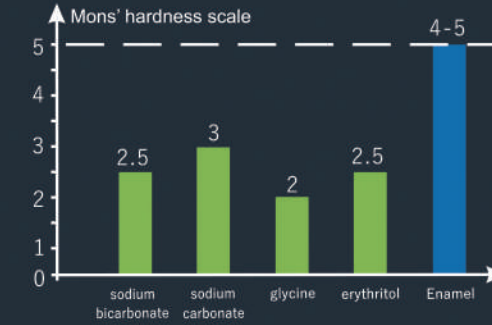
Optimal Comfort Minimally Invasive Maximally Preventive

iJet uses smaller and lower hardness sandblasting powder, which can protect teeth to the greatest extent during treatment and has high comfort.

Recommended Prophylaxis Powder:

Supragingival scaling:
Sodium Bicarbonate, Glycine, Erythritol
with particle size less than 65µm

Periodontal and Gap scaling:
Glycine, Erythritol with particle size less than 25µm



iJet 2S

- 2 sandblasting modes adjustable: G & P
- Equipped with 2 sandblasting handpiece QC J2 (supragingival) & QC J1 (periodontal)
- KAVO MULTIflex quick connector



iJet

- Equipped with QC J1 supragingival sandblasting handpiece
- 4-holes connector



iJet S

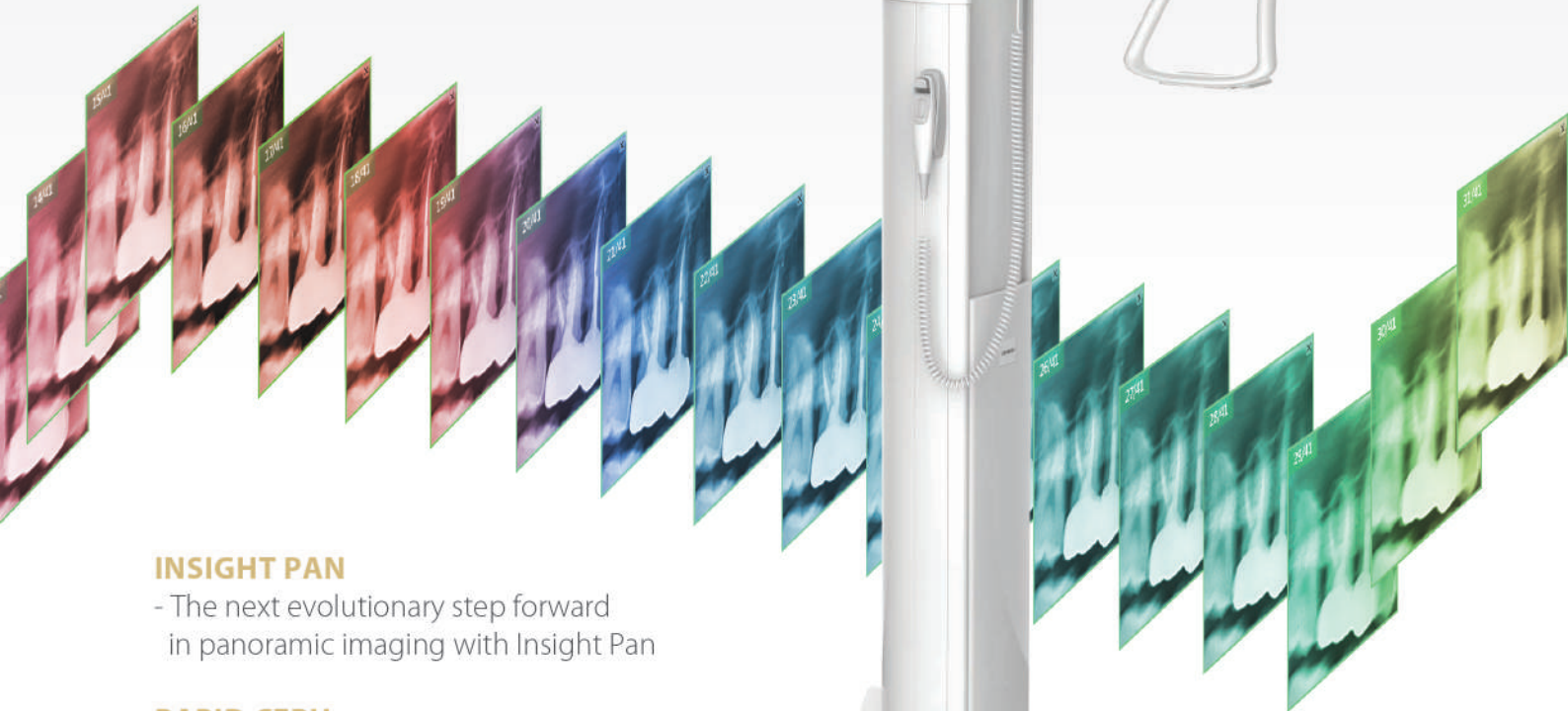
- Equipped with QC J1 supragingival sandblasting handpiece
- KAVO MULTIflex quick connector



BEYOND 2D, DEPTH ADDED PANORAMA

PaX-i Insight™

41
MULTI
LAYERS



INSIGHT PAN

- The next evolutionary step forward in panoramic imaging with Insight Pan

RAPID CEPH

- 1.9 second acquisition time produces superb image quality
- Reduced motion artifacts and faster workflow

USER-FRIENDLY EZDENT-I SOFTWARE

- Powerful diagnostic value with Insight feature
- Complete solution for consultation
- Easy to learn, easy to use

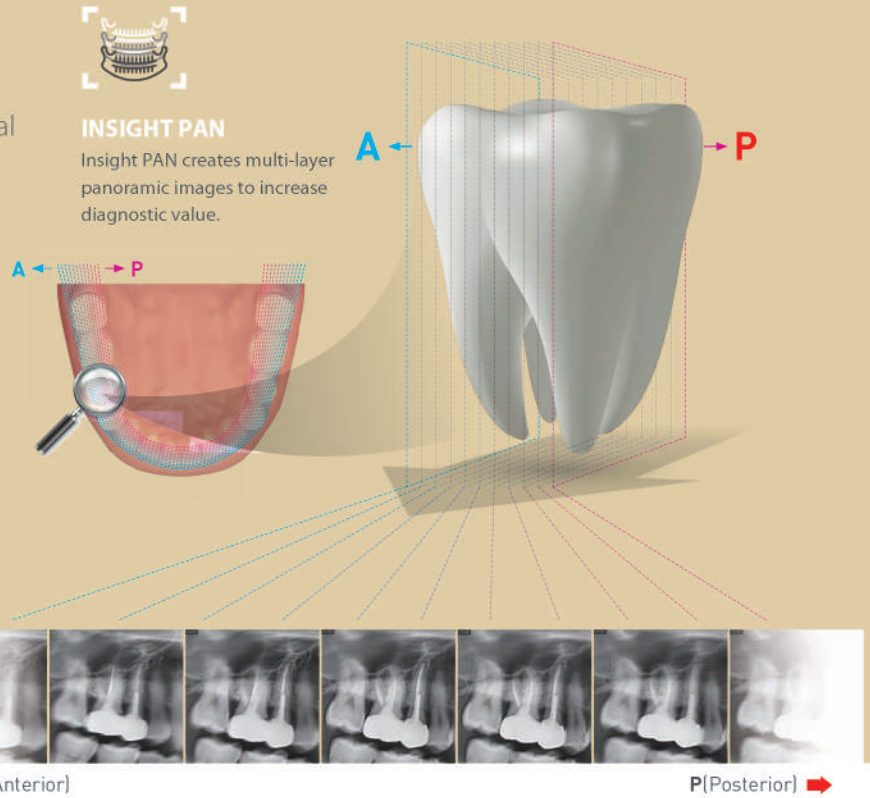
ADVANCED IMAGE SOLUTION WITH INSIGHT PAN

The next evolutionary step forward in panoramic imaging.

The PaX-i Insight is capable of taking a multi-layered panoramic image called an Insight Pan which provides a unique, in-depth look across a single focal trough.

Since each patient may have a slightly different arch, conventional panoramic images may occasionally miss important details which land outside of a single focal layer.

Insight Pans are capable of capturing multiple-layered images, ensuring that all details are captured in a depth-added panoramic image.



MINIMIZE MOTION ARTIFACTS WITH RAPID CEPH TECHNOLOGY

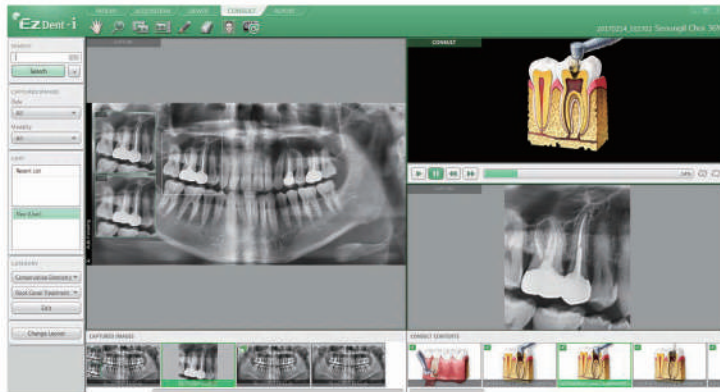
The next step in cephalometric technology, Vatech's new Rapid Ceph minimizes motion artifacts and enables faster diagnostic workflow while providing the highest quality digital images.

GREAT CLINICAL CARE WITH RAPID CEPH TECHNOLOGY



EZDENT-I: QUICK AND EASY DENTAL IMAGING SOFTWARE

EzDent-i provides a wide array of functions designed to streamline the dental practice's workflow. It conveniently provides tools for specialized diagnosis and consultation via our easy-to-use user interface.



Diagnosis

- Depth added diagnostics with Insight Pan



Simulation

- 2-click implant simulation
- Natural tooth whitening simulation
- Simplified canal tracing



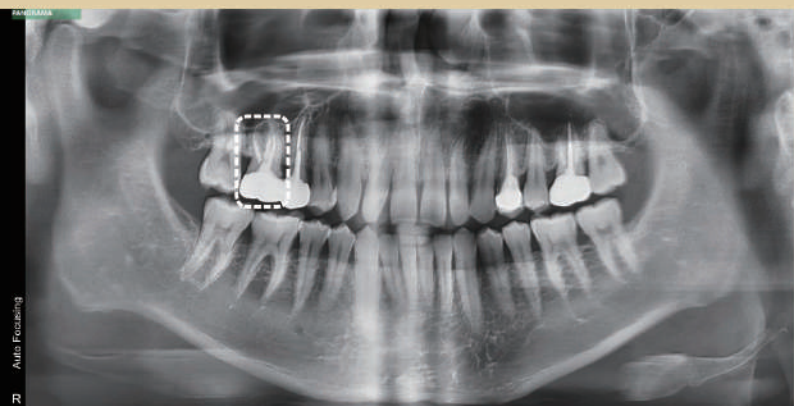
Consultation

- 244 consultation videos
- Add user-created consultation content

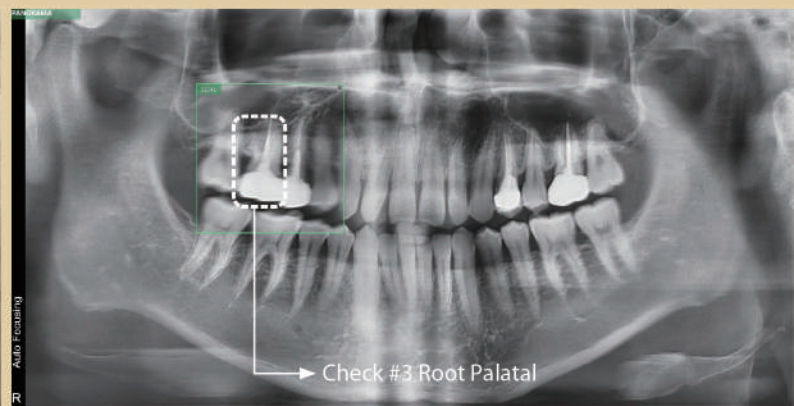
WHAT IS INSIGHT?

The next-generation in panoramic technology, Insight Pans allow doctors to obtain never before seen, in-depth diagnostic information from the anterior to posterior on a digital panoramic image.

The Insight feature allows doctors to explore their region of interest, giving them the capability to find mesiobuccal, distobuccal, and even palatal root information.



STANDARD PANORAMA



INSIGHT FEATURE

Use the PaX-i Insight's Next Generation Panoramic Technology to Discover:

- Hidden multi roots and canals
- Location of pulp and gutta-percha
- Broken files or root fractures

PRODUCT CONFIGURATION

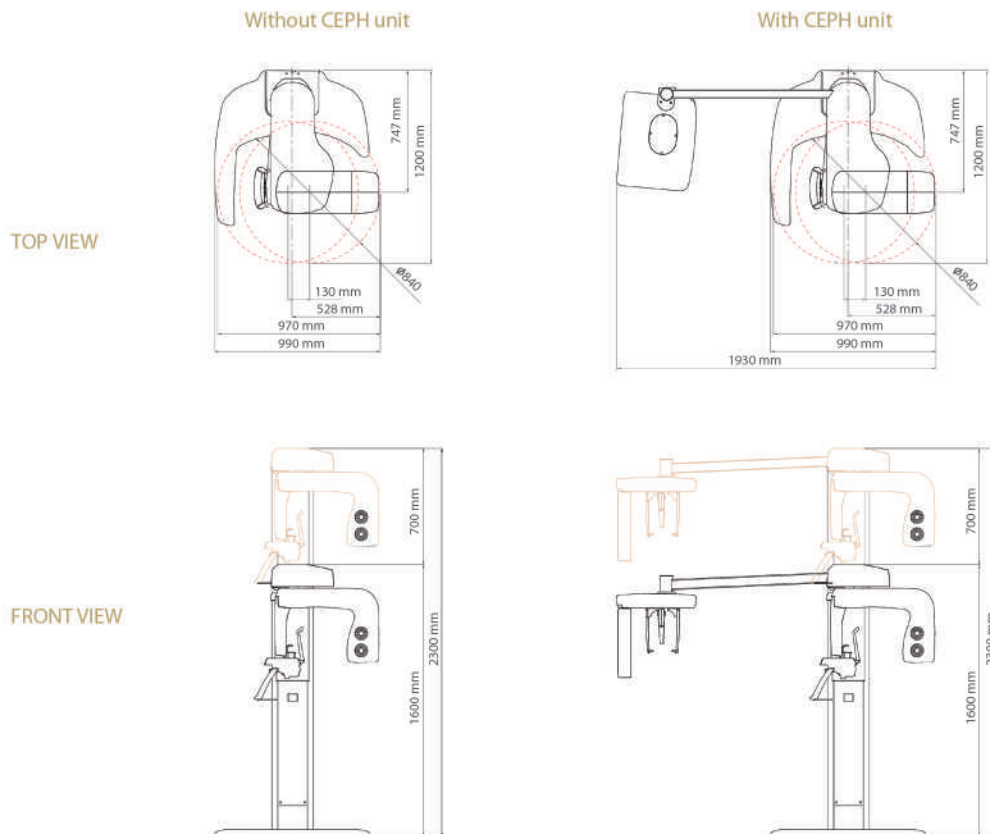
	PANO	CEPH
PaX-i Insight	•	–
PaX-i Insight RC	•	•

SPECIFICATIONS (PaX-i Insight : PCH-30CS)

Function		Pano + Ceph	
Focal Spot		0.5 mm (IEC60336)	
Scan Time	Pano	Normal	10.4 / 14.0 / 21.0 sec
		Insight PAN	10.4 sec
	Ceph	1.9 / 3.9 sec	
Gray Scale		14 bit	
Tube Voltage / Current		60 ~ 99 kV / 4 ~ 10 mA	
Weight	Without Ceph unit	95 kg (209.4 lbs. – without Base)	
		135 kg (297.6 lbs. – with Base)	
	With Ceph unit	120 kg (264.5 lbs. – without Base)	
		160 kg (352.7 lbs. – with Base)	
Dimensions	Without Ceph unit	990 mm (L) x 1200 mm (W) x 2300 mm (H)	
	With Ceph unit	1930 mm (L) x 1200 mm (W) x 2300 mm (H)	

* The specifications are subject to change without prior notice.

DIMENSIONS [Unit: mm]



PaX-i Plus™



5.0 LP/MM PANO IMAGE QUALITY

- Optimal image for accurate diagnosis

RAPID CEPH

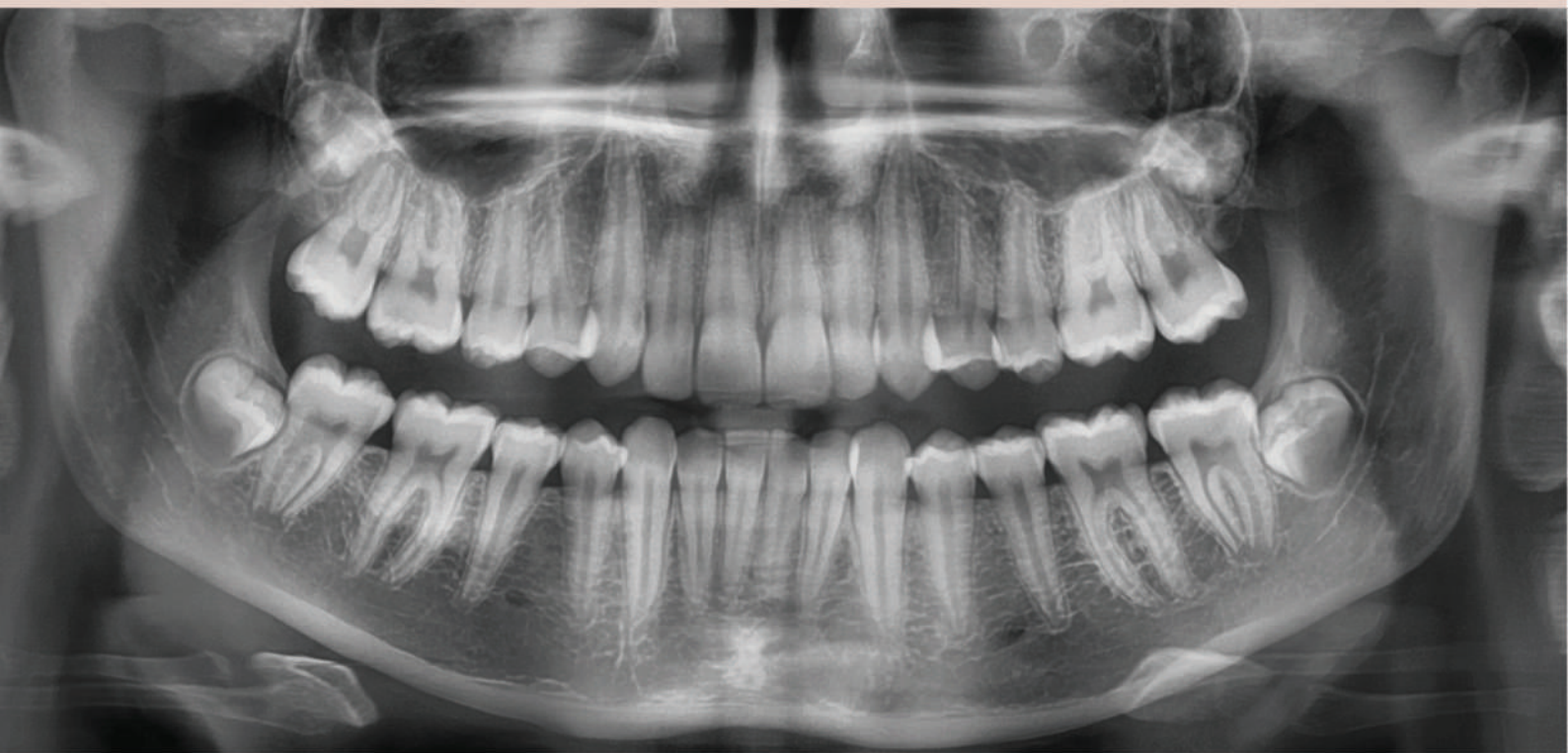
- 1.9 second acquisition time produces superb image quality
- Reduced motion artifacts and faster workflow

USER_FRIENDLY EZDENT_I SOFTWARE

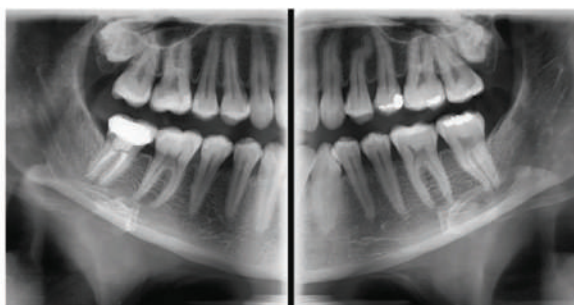
- Powerful diagnostic value with Insight feature
- Complete solution for consultation
- Easy to learn, easy to use

THE ADVANCED IMAGING SOLUTION FOR ACCURATE DENTAL DIAGNOSIS

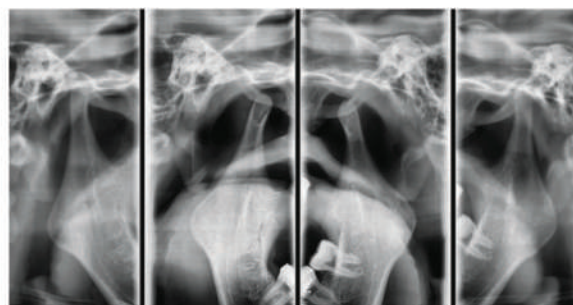
The PaX-i Plus provides the most precise and high quality panoramic images by combining image processing and accumulated experience in dental imaging from Vatech. This will increase your diagnostic accuracy for improved treatment planning and patient satisfaction.



MAKE YOUR DIAGNOSIS EASY AND EFFICIENT WITH VARIOUS CAPTURE MODES



Bitewing Mode



TMJ Mode

SELECTION	ARCH	EXAMINATION MODE
PANO EXAMINATION	Narrow / Normal Wide / Child	Standard / Right / Front / Left
	Orthogonal	Orthogonal Standard / Right / Front / Left Bitewing Standard / Right / Front / Left
SPECIAL EXAMINATION	Normal	TMJ LAT Open / Close TMJ PA Open / Close Sinus LAT / PA

MINIMIZE MOTION ARTIFACTS WITH RAPID CEPH TECHNOLOGY

The next step in cephalometric technology, Vatech's new Rapid Ceph minimizes motion artifacts and enables faster diagnostic workflow while providing the highest quality digital images.

GREAT CLINICAL CARE WITH RAPID CEPH TECHNOLOGY



PRODUCT CONFIGURATION

	PANO	CEPH
PaX-i Plus	•	-
PaX-i Plus NC	•	•

SPECIFICATIONS (PaX-i Plus : PCH-30CS)

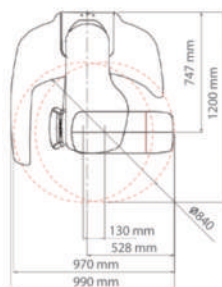
Function	Pano + Ceph		
Focal Spot	0.5 mm (IEC60336)		
Scan Time	Pano	Normal	10.4 sec
		HD	14 sec
	Ceph	1.9 / 3.9 sec	
Gray Scale	14 bit		
Tube Voltage / Current	60 ~ 99 kV / 4 ~ 10 mA		

Weight	Without Ceph unit	95 kg (209.4 lbs. – without Base)
	With Ceph unit	135 kg (297.6 lbs. – with Base)
Dimensions	Without Ceph unit	120 kg (264.5 lbs. – without Base)
	With Ceph unit	160 kg (352.7 lbs. – with Base)
Dimensions	Without Ceph unit	990 mm (L) x 1200 mm (W) x 2300 mm (H)
	With Ceph unit	1930 mm (L) x 1200 mm (W) x 2300 mm (H)

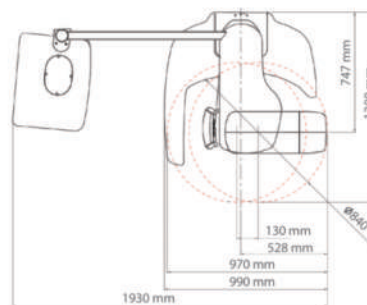
* The specifications are subject to change without prior notice.

DIMENSIONS [Unit: mm]

TOP VIEW

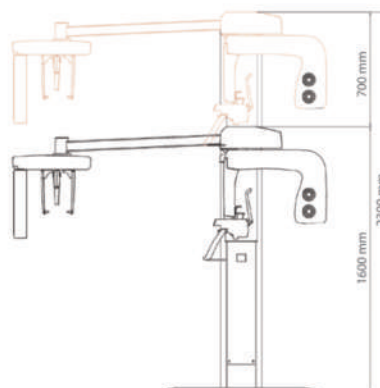
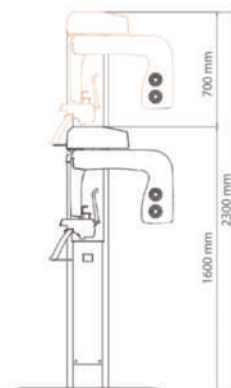


Without CEPH unit



With CEPH unit

FRONT VIEW



DUS60 PLUS

Digital Diagnostic Ultrasound System



- LCD screen 12.1"
- (PW) all Probes
- (THI) Tissue Harmonic Imaging
- (ESRI) speckle reduction
- Chroma
- Convex probe 96
- 2 sockets
- Internal battery for more than 2 hours

The DUS60 PLUS Digital Diagnostic Ultrasound System is an impressive compact ultrasound system that provides superb value and outstanding imaging quality across the entire range of general imaging applications.



WE SUPPORT YOU

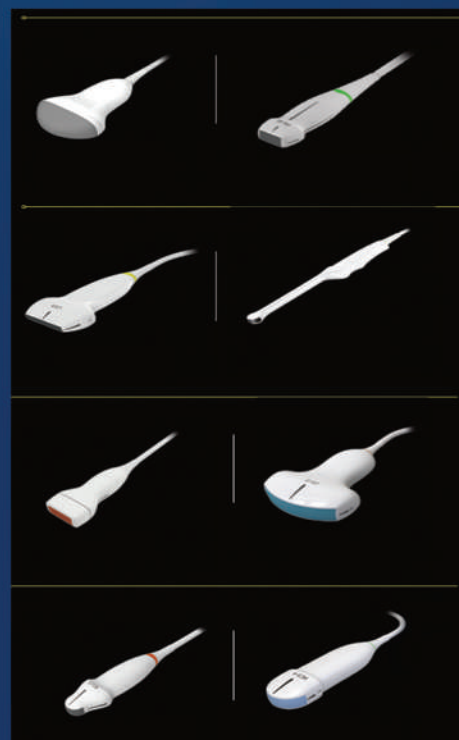
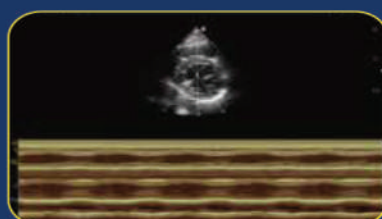
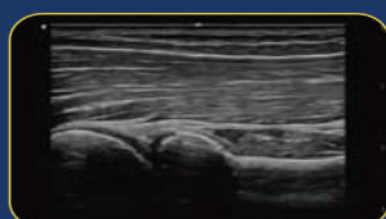
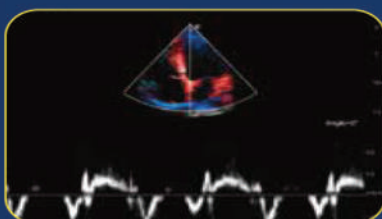
Lighten Your Vision Within a Touch



Acclarix™ AX3 Diagnostic Ultrasound System



- Display 15" main screen HD resolution
- Body material Waterproof and not scratch
- Touch screen 10.4 Waterproof and not scratch
- Trapezoid
- Panorama
- IMT
- ELASTOGRAPH
- (TAI) Tissue Adaptive Imaging
- (DPI) Directional power Doppler
- Duplex & Triplex & Quad displays
- Machine frequency Max frequency 17Mhz
- Internal two battery for more than 3 hours



WE SUPPORT YOU

AcclarixTM LX3

Ultrasound System



- LCD screen 21.5"
- Touch screen 14 Waterproof and not scratch
- Internal memory 1T
- Trapezoid , Panorama
- LGC
- (TAI) Tissue Adaptive Imaging
- (DPI) Directional power Doppler
- Duplex & Triplex & Quad displays
- 4D
- Max frequency 17Mhz
- probes 128 element
- 5 probes - battery



AUTO EF , Strain Rate
 TDI , THI , CW , ESRI
 Anatomical m mode
 Doppler Auto Trace
 ECG
 Pediatric and neonatal frequency from 3 –8 MHz for cardiac application
 Adult frequency from 1 -5 MHz for cardiac applications



Fetal Face



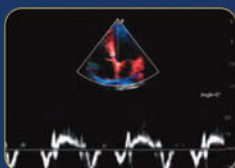
Fetal Heart



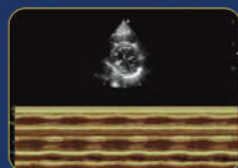
MSK



Color Doppler Spleen



TVD



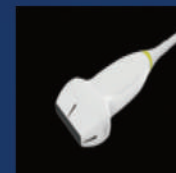
Anatomic M



Customizable touch screen user panel to simplify diagnosis



5 active transducer ports to maximize clinical application



WE SUPPORT YOU

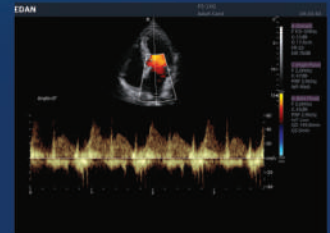
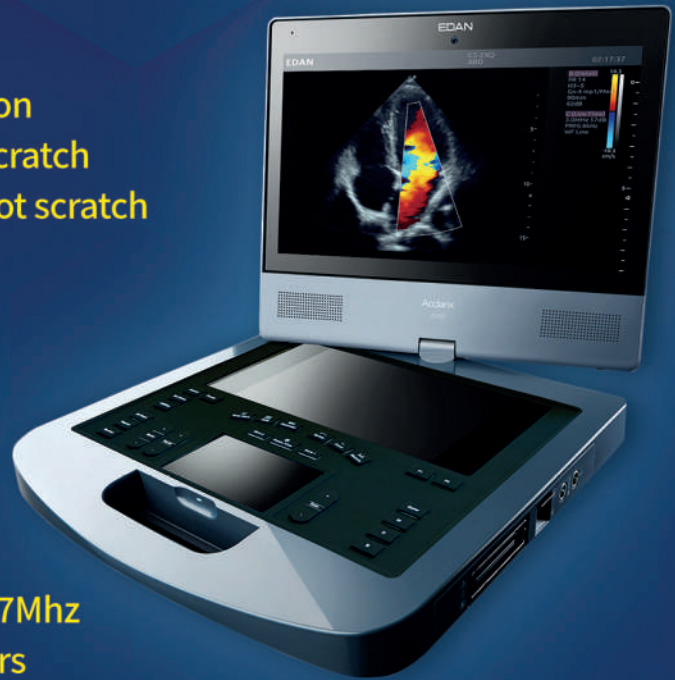
Acclarix AX8

Copmact Ultrasound System



- Display 15" main screen HD resolution
- Body material Waterproof and not scratch
- Touch screen 10.4 Waterproof and not scratch
- Trapezoid
- Panorama
- IMT
- ELASTOGRAPH
- (TAI) Tissue Adaptive Imaging
- (DPI) Directional power Doppler
- Duplex & Triplex & Quad displays
- Machine frequency Max frequency 17Mhz
- Internal battery for more than 2 hours

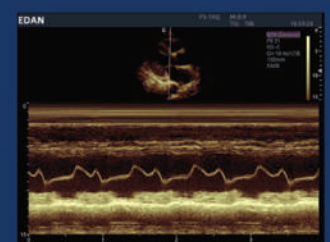
- TDI , THI , CW , ESRI
- Anatomical m mode
- Doppler Auto Trace
- ECG
- Pediatric and neonatal frequency from 3 - 8 MHz for cardiac application
- Adult frequency from 1 - 5 MHz for cardiac applications



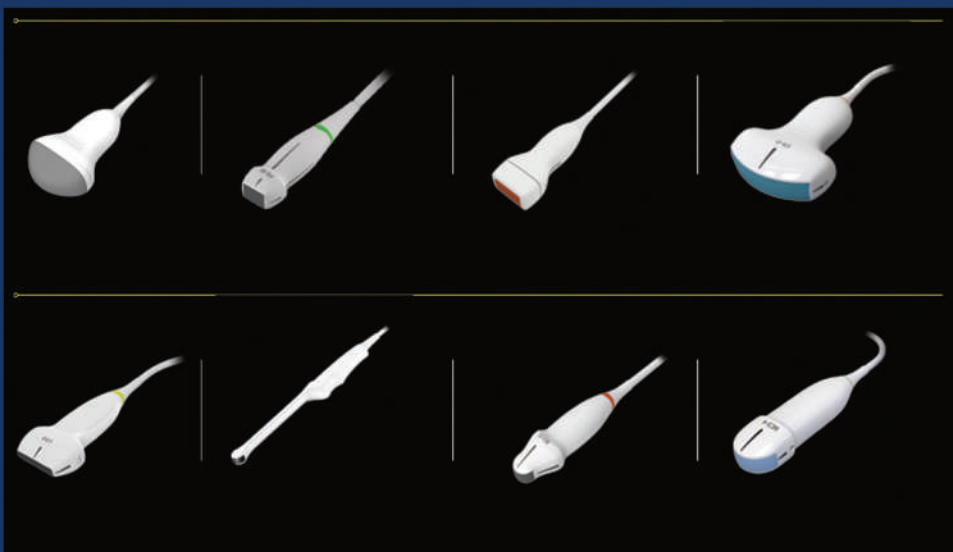
Duplex & Triplex displays



Color Doppler



Anatimocal M-MODE



WE SUPPORT YOU

U2 *prime edition*

Diagnostic Ultrasound System



- Color Doppler
- LCD screen 19"
- Internal memory 500g
- Max frequency 17Mhz
- Duplex & Triplex & Quad displays
- probes 128
- 4 sockets
- Internal battery for more than 2 hours

(THI) Tissue Harmonic Imaging
 (ESRI) speckle reduction
 (DPI) Directional power Doppler



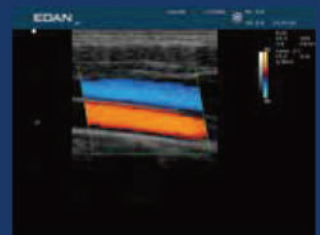
Excellent Contrast Resolution
Liver, Pancreas



Harmonic Imaging
Liver, Kidney



Superior Penetration
Body Mass Index of 60



Color Doppler Imaging
Carotid artery, Jugular vein



Color Doppler Sensitivity
Kidney



High Frequency Imaging
Complex Breast Cysts



Endovaginal Imaging
Uterus and Ovary

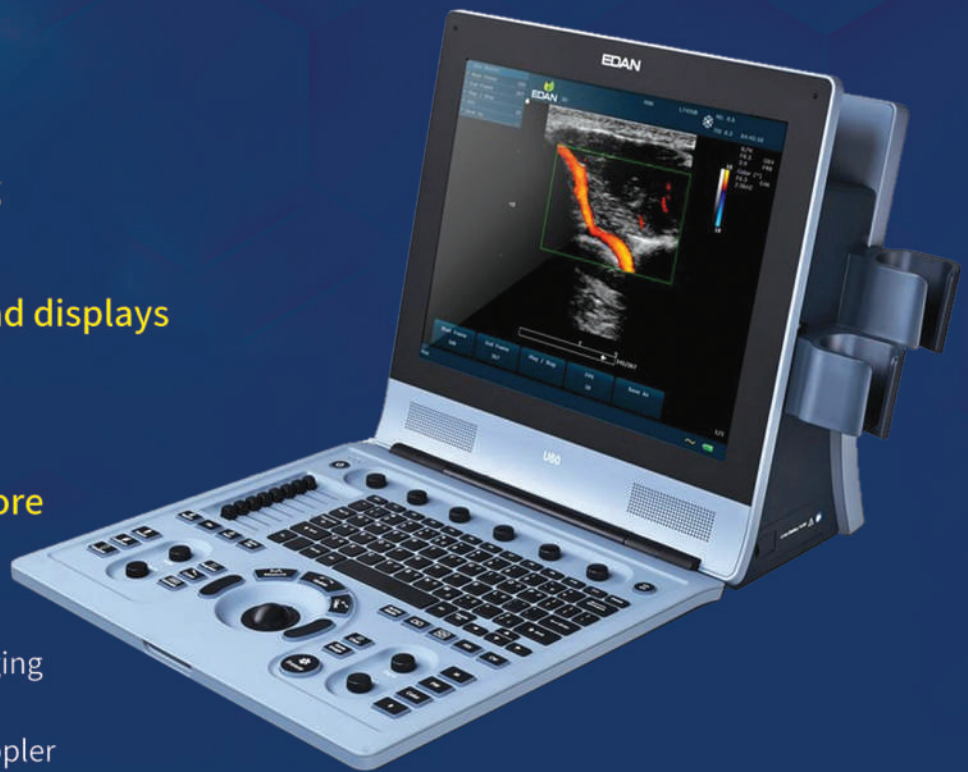


Speckle Reduction Imaging
-25week OB

U60 *prime edition*

Diagnostic Ultrasound System

- Color Doppler
- LCD screen 15"
- Internal memory 500g
- Max frequency 17Mhz
- Duplex & Triplex & Quad displays
- probes 128
- 2 sockets
- Internal battery for more than 2 hours



(THI) Tissue Harmonic Imaging
(ESRI) speckle reduction
(DPI) Directional power Doppler

JM001 Transcutaneous Jaundice Detector is developed with advanced electronics and optics, adopting fiber optics, spectrum splitter, controlled spectrum filter, NFM switching, and information processing techniques



- Display: LCD, 3 figures
- Power: AA 1.5V×2 alkaline battery
- Indicator for ready: Green
- Measurement range: 0.0mg/d L ~ 32.0 mg/d L
- Measurement accuracy: Range is ± 1.5 mg/d L (± 25.5 $\mu\text{mol/L}$)
- Charging preparation time: < 5 seconds
- Record function: record 100 previous measurement values and review recorded data
- Repeatability: < 10%



- Screen 12" & 8"
- UP to CO2 , IBP
- Screen Supports 6 Channels ECG

PR
 Software Supports Pediatric & neonatal Adult
 Internal battery for More than 2 hours
 ECG
 RR
 SPO2 Pediatric & neonatal Adult
 TEMP
 NIBP



Designed Features



Replay



12ch Acquisition



Thermal paper



5inc Color Display

- 3 channels ECG analysis
- LCD color Touch Screen 5"
- Can be connected to pc & converted to 12 channels and print in A4 PAPER

Thermal printing paper 8 cm
 Internal battery more than 2 hours
 Internal memory

Cardio Holter Recorder CT-08S

BENEWARE



Record Channel	3 channel
Record Rate	200Hz storage, 4000Hz sampling
Resolution	16bits
Memory Card	4GB
Recording Time	24 hours , 48 hours
Pace maker Sample Rate	10000Hz
Dimension	91 x 60 x 18 mm
Weight	Approx. 80g
Patient Cable Leads	5/7 leads
Operating Temperature	5 - 45°C
Operating Humidity	≤ %80, non - condensing
Operating Pressure	1060 - 700hPa
Battery Type	1 AAA (LR03) alkaline or Ni - HM battery
Battery Voltage	1.6-1.2V
Battery Life	More than 48hours
Dynamic Range	10mV
Input Impedance	≥ 10M Ω
Frequency Response	≥ -3dB , ≤ 0.83dB@ 0.05Hz to 60Hz
CMRR	≥ 80dB



Weight only 80g
bring new experience to
doctors & patients



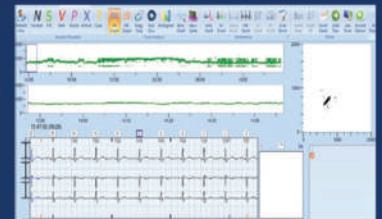
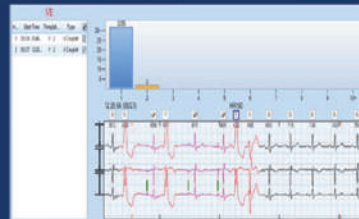
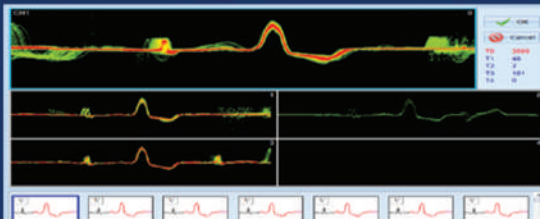
record lasts for 7 days
1 AAA battery



can identify 0.1ms
pacing pulse
build-in pacemaker monitoring



accuracy up to %99.6
of QRS wave analysis



Ambulatory Blood Pressure Monitor

Beneware 24-hour ABPM system



Product Specifications	
Measurement Method	Oscillometry with linear deflation
Measurement Range	SBP: 60 ~ 255 mmHg DBP: 30 ~ 195 mmHg Heart Rate: 30 ~ 200 bpm
Accuracy	Pressure: ±3 mmHg Heart Rate: ±5%
Safety System	Maximum inflation pressure: 300 mmHg Maximum measurement time: 180 seconds
Sampling Periods	4 independently programmable periods (5,10, 15, 20, 30, 60 and 120 minutes)
Record Capacity	Up to 400 measurements
Dimension	113 x 75 x 26 mm
Weight	168g (without battery)
Operating Temperature	5 ~ 40 °C (41 ~ 104 °F)
Operating Moisture	≤80% RH (non-condensing)
Battery Type	2 AA (LR6) alkaline batteries
Battery Life	At least 200 measurements



Ts400 Multi Functional Electrosurgical Unit



INTRODUCTION

High - frequency Electrosurgical Unit is an advanced electro surgery equipment for incision and coagulation of the biological tissue through the high frequency current.

It is an excellent substitute for mechanical scalpels due to its simple & safe operation fast tissue incision and blood coagulation. It is wide use in General surgery, Gynecology, Urology Oncology, Orthopedics etc. S

Standard Accessory



Foot Switch



Disposable Bipolar Neutral Pad



Standard Electrodes

Optional Accessory



Silicon Patient Plate



Metal Patient Plate



Bipolar Forceps



Push Button Electrosurgical Pencil



Foot Switch Electrosurgical Pencil



Patient Plate Cable



DIAOND

All-In-One Digital Radiography System

DRGEM
DRGEM Corporation

DIAMOND DR SYSTEM

Go filmless - the easy way!

Take advantage of all the features digital system can offer!!

Fully Automatic Operation

The DIAMOND DR System is a fully automatic digital radiographic system providing state-of-the-art image quality, image processing and user interface; making the system easy to use and reliable while providing high quality digital radiographic images with reduced dose.

Selection of an anatomical study on the imaging software automatically sets up the x-ray generator's preprogrammed exposure technique setting, motorized radiographic stand positioning, x-ray collimation and post image processing for selected study. Also, removable high resolution grids which have 100 and 180cm (40 and 72 inch) focal distance supplies excellent image quality per each SID.

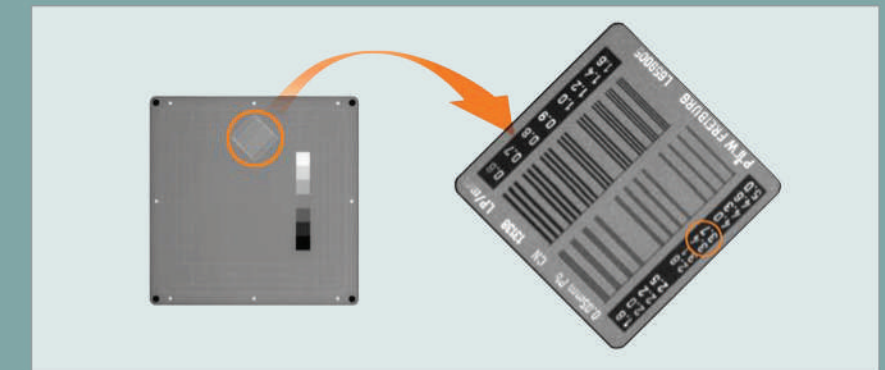
The DIAMOND DR System has been specially developed for moderate budgets and small spaces. A fully digital workflow, convenient auto-positioning, and advanced image processing, make this versatile system a sensible choice.

Experience the quality and value in a DIAMOND digital radiography system for all common applications! The DIAMOND DR system will serve you to achieve the big performance with small effort.

Outstanding Image Quality

Digital radiography via flat panel detector improves your workflow, exam speed and comfort with efficiency. Digital flat panel detector with CsI screen provides excellent spatial resolution, MTF, DQE and stability based on fine pixel pitch.

A 3-field ion-chamber is provided for AEC function.



(Spatial Resolution Chart: PTW Normi-13)



Removable High Resolution Grids

- Two removable grids are provided : SID 100/180cm (40/72 inch)
- System will sense the focal distance of each grid when it is inserted
- False grid insertion will be warned by software when usable range of grid's focal distance is not suitable with SID
- Each removable grid are protected by aluminum frame with handle



Digital Detector Assembly

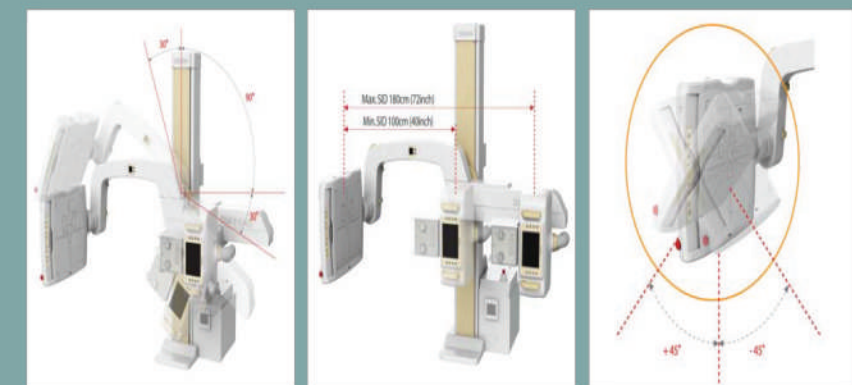
- Front Cover
- Removable Grid
- AEC Ion Chamber
- Digital Flat Panel Detector
- Detector Case (Aluminum Casting)
- Spare Grid Holder

Automatic Positioning

Radiographic stand has four motorized joints, and automatic positioning can be accomplished by pre-programmed data which can be easily reprogrammed by operator. Total of seven safety sensors are located over U-arm, detector and tube side to protect against collision with patient or obstacles to control the speed or stop the positioning. Also, a mobile patient table with heavy patient load is provided for radiographic study which needs table. A remote-control is provided for remote motorized control of stand, and the movement stops as soon as you lift your finger from the key by dead-man control type.

Motorized Radiographic Stand

- Fully automatic motorized movement
- Ergonomic and convenient handling
- Automatic move to pre-defined positions for the most frequent applications
- Safety features protect against collision with patient and obstacles
- Supports forced air cooling for tube assembly and manual tube rotation



Trustworthy X-ray Source

The core part of x-ray source adopts high quality tube assembly (VARIAN, SIEMENS, TOSHIBA), motorized x-ray collimator, HV cable assembly and DRGEM's high frequency x-ray generator which has worldwide reputation on excellent performance, lifetime and stability. Touch screen x-ray control console provides user-friendly interface and easy technique selection. Automatic collimator supports high accuracy for selected x-ray field size over any SID.

- Micro Processor Controlled High Frequency Switching
- Real-time Monitoring Self Diagnosis, Tube Overload and Anode Heat Unit Protection
- User programmable APR
- Full-Auto mA Calibration, Adaptive mA Calibration for long-term tube usage
- Automatic Exposure Control (AEC)
- Touch Screen Control Console



Full Featured Imaging Software & Excellent Digital Image Processing

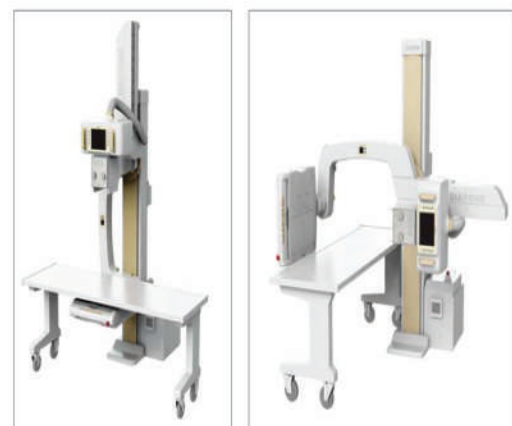
A high performance imaging workstation and software serves you a convenient interface and easy operation. Anatomical view-based digital image processing automatically optimizes and enhances the quality of the captured images. Automatic image storage and print with DICOM 3.0 networking capability increases exam throughput and decreases examination time.

- Provides convenient user interface and easy operation
- Included anatomical view-based digital image processing automatically optimizes and enhances the quality of the captured image for the imaged anatomy
- Radiographic stand & automatic collimator control function
- DICOM 3.0 networking interface includes Worklist, Print, Store, Query for integration with any PACS or RIS



Mobile Patient Table

- Mobile table designed for conventional radiography applications
- Freely revolving castors with brakes
- Max. Patient weight: 250 kg (550 lbs)

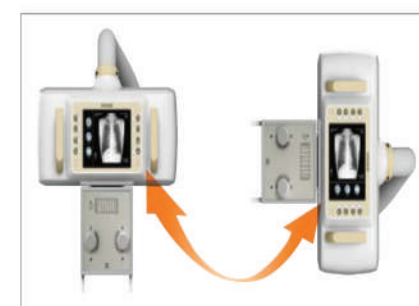


Automatic Collimation

- Motorized collimator with dual leaf
- Automatic x-ray field size control corresponds to varying SID
- User adjustable lamp timer with on/off switch (supports software control)

Integrated Touch Screen Console

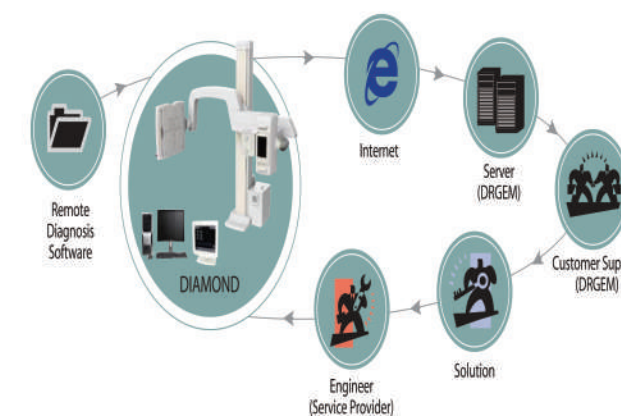
Thanks to the integrated touch screen console located in tube side, operator can easily controls the radiographic techniques and stand positioning. Furthermore, operator can verify the digital x-ray image on this screen.



- The GUI of integrated touch screen console is automatically rotates corresponds to rotation angle of U-arm

Remote Diagnosis

Remote diagnosis function enables fast and accurate diagnosis on problems and saves service cost and system downtime.





GXR-S SERIES

High Performance and Reliability

DRGEM
DRGEM Corporation

GXR DIAGNOSTIC X-RAY SYSTEM

High Performance and Reliability

GXR Diagnostic X-ray System for Digital Era

The new designed GXR diagnostic X-ray system provides an analogue radiographic room that perfectly fits your workflow and budget, but it can be easily upgraded to DR system with the help of DR interface and PC interface in the generator as well as Bucky suitable to Flat Panel Detector.

DRGEM's GXR X-ray system is equipped with a high frequency X-ray generator which consistently produces high quality images based on high quality X-ray output with a very small kV ripple and accurate mA and timer control.

GXR X-ray system is designed with complete consideration for both operator and patient comfort, and specially designed for minimizing electrical lock noise.

Experience the quality, durable and user-friendly operation for all applications with the GXR X-ray system!



Floor-Ceiling Mounted Tube Stand



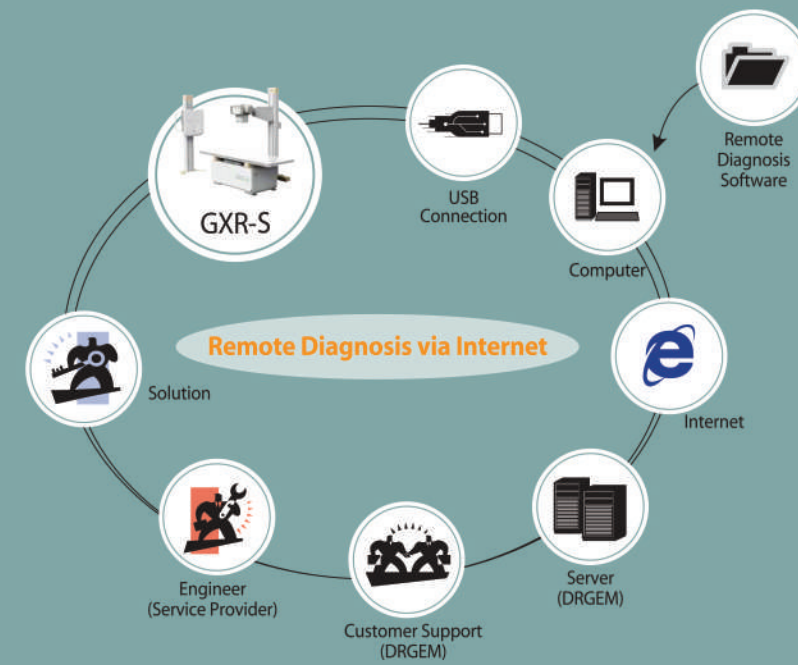
Four-way Tabletop Patient Table



Elevating Patient Table



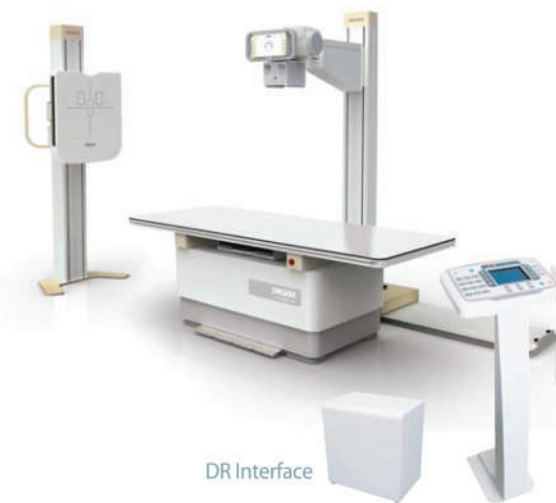
Vertical Wall Bucky Stand



Floor Mounted Tube Stand

DR Upgrade Option

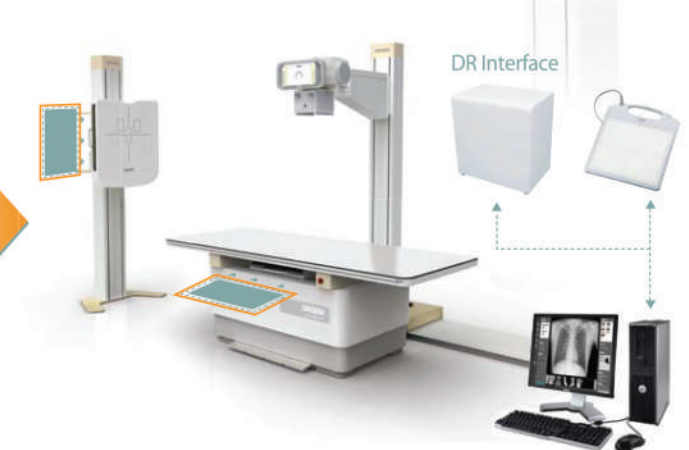
GXR System (Film)



DR Interface



DR System



DR Interface

Planmed Clarity™ S

Digital mammography made easy



ENGLISH

Planmed

Reliable companion for your everyday breast imaging needs

Planmed Clarity™ S is the ideal choice for a cost-effective digital mammography system. The unit can handle the most demanding workloads from everyday screenings to follow-up studies and 2D biopsies. Planmed's trusted technology promises high performance and quality results.

A mammography system for any clinic needs

Planmed Clarity™ S is the safe and cost-effective choice for mammographic breast examinations. Its advanced technology and clever solutions enable an efficient workflow at busy screening centers as well as smaller clinics.

Owing to the compact design, durable a-Si detector and single phase power feed, the unit also adapts well to demanding conditions such as mobile installations.

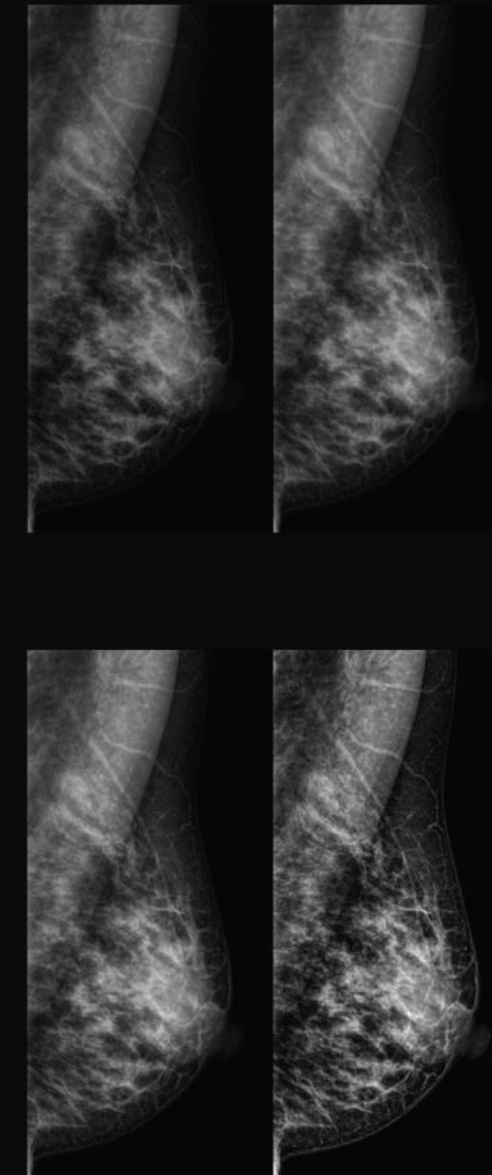
Superior ergonomics

Planmed Clarity™ S comes with many of the popular features of the Planmed Clarity product family. Features such as the OneTouch™ workflow, extended handlebars and curved chin guard enhance both staff and patient comfort. The paddle adjusts gently to the human anatomy, reducing patient discomfort during examination.

The acquisition workstation includes the Planmed Clarity™ Flow software, which together with the foot controls makes for a smooth user experience.

Tailored image post-processing

We take quality imaging seriously even at the lowest patient doses. Our post-processing for contrast, sharpness and brightness can be fine-tuned to suit varying professional needs and achieve the optimal image.



Key features

- Well-suited for everyday screenings and diagnostic studies
- Small and compact size, easy to install
- Robust and reliable with latest detector technology
- Superior ergonomics and usability

Technical specifications

Detector technology	a-Si
Detector size	24 x 30 cm
Pixel size	83 um
X-ray tube anode material	Tungsten
Filters	Rhodium, Silver
Swivel range	-135 to +180 degrees
Vertical travel	81-138 cm
Source-detector distance	65 cm
Monitors	2.1 MP (standard) and 3 MP (optional)



Planmed

Planmed Oy Sorvaajankatu 7 | 00880 Helsinki | Finland | tel. +358 20 7795 300 | fax +358 20 7795 664 | sales@planmed.com | www.planmed.com



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Digital Mammography



Medical imaging excellence

Planmed is strongly committed to improving the early detection of breast cancer. Our mission is to provide top quality imaging systems for mammographic screening and diagnosis.

This dedication to mammography has inspired us to constantly develop new, innovative solutions for breast imaging.

*Our novel and elegant **Planmed Clarity™ 2D** system offers top of the line digital mammography with great promise for the future.*

See more – with Clarity!



Breast cancer screening with confidence



We took the challenge of early breast cancer detection very seriously and aimed to create the best digital mammography system in the world. **Planned Clarity™ 2D** is our vision of the future of digital mammography.

Options for every need

Optimised for screening and diagnostic mammography

Working with potential breast cancer patients can be very demanding for both the staff and the equipment. Screening is a highly optimised process where technologists need to be both efficient and considerate, while diagnostic work-ups are meticulous studies of the breast featuring a variety of different imaging methods and careful sampling.

In the following graphic, we demonstrate the role **Planned Clarity™ 2D** has in screening and diagnostics – the equipment’s versatile options effortlessly transform it from a fast screening unit to a high-precision diagnostic system.

Screening mammography



Diagnostic mammography



Digital Breast Tomosynthesis option*

Planned Clarity™ 2D can be upgraded to Digital Breast Tomosynthesis at any time. Our unique **Continuous Sync-and-Shoot™** movement and innovative **TomoMarker™** technology ensure clear DBT images.

TomoMarker™

- Superior acquisition geometry detection
- Improves tomographic image reconstruction accuracy
- Lightweight
- Easy add-on DBT solution

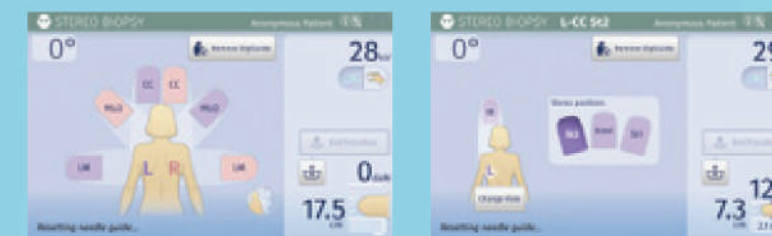


*Tomosynthesis option is not available for sale in the USA

Stereotactic biopsy option*

The **Planned ClarityGuide™** is a high-precision stereotactic biopsy system. Its exceptionally light-weight needle guidance unit, built-in connections, and compatibility with vertical or optional lateral vacuum-assisted biopsy devices make it versatile and simple to use.

The **Planned Clarity™ Flow** touch control provides intuitive and interactive guidance throughout the stereotactic biopsy procedure.

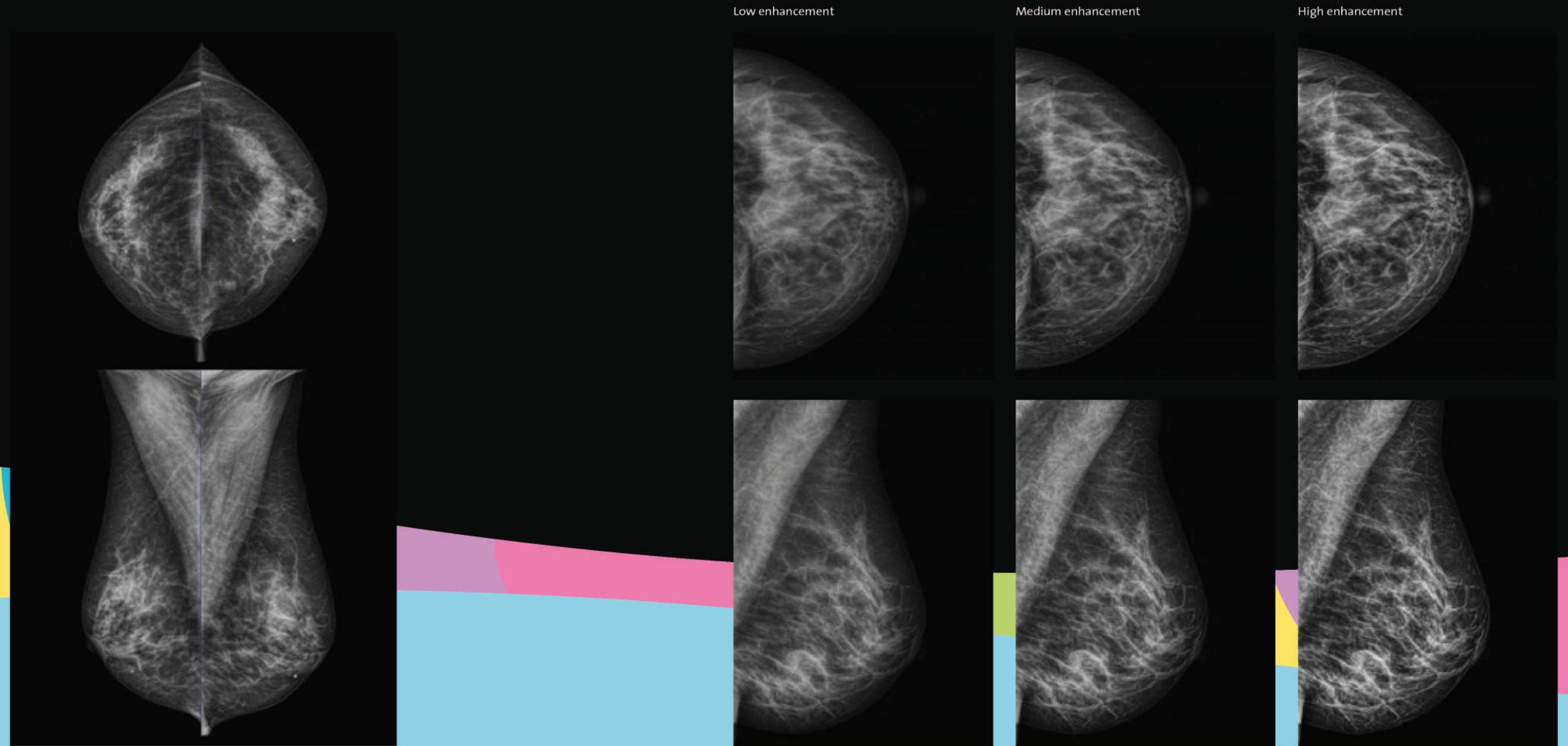


*Stereotactic biopsy option is not available for sale in the USA

Fine-tuned digital breast imaging

Ensuring the best possible image quality at the lowest achievable patient dose is an everyday challenge in mammography. With the help of leading experts in the field, we have been able to constantly meet the highest standards of patient care and safety – and then exceed them.

Our post processing for contrast, sharpness and brightness can be fine-tuned to achieve the perfect image. Below are three image enhancement examples of the multiple possibilities available.



Unique Planmed innovations



- TomoMarker™ technology***
Clear and sharp artefact-free images with optional Digital Breast Tomosynthesis
- Configurable dual touchscreen displays**
*Perfect usability for fast and easy daily work with the **Planmed Clarity™ Flow** touch control*
- Full Field Flex-AEC™**
Large AEC area coverage for optimal imaging in every imaging mode
- Rugged detector & ultra compact bucky**
Steady and durable detector with ultra compact bucky for easy patient positioning
- MaxView™ breast positioning system**
Maximal tissue visibility for enhanced diagnostics
- SideAccess™ patient positioning system**
Optimal ergonomics for patient positioning

*Tomosynthesis option is not available for sale in the USA

An encouraging experience

Planmed's mammography units are created with utmost attention to detail. We feel it is our duty to design equipment that helps make breast exams as easy and encouraging as possible.

We have included personalised colours, curved chin guards and extended handles to improve patient comfort. The dual touchscreens with customisable individual workflows ease the daily work of technologists. We hope you like the result.

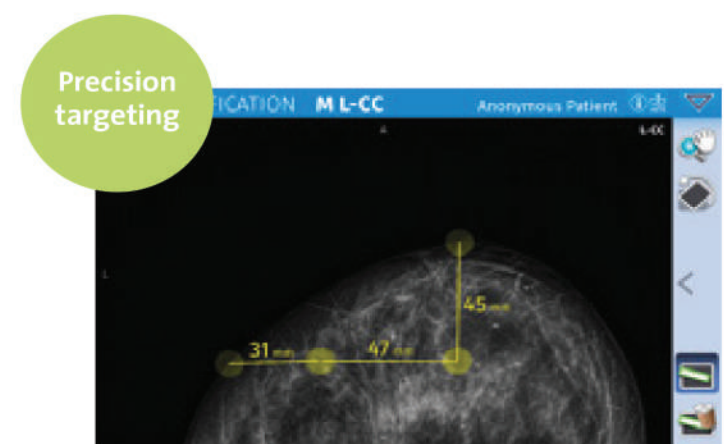
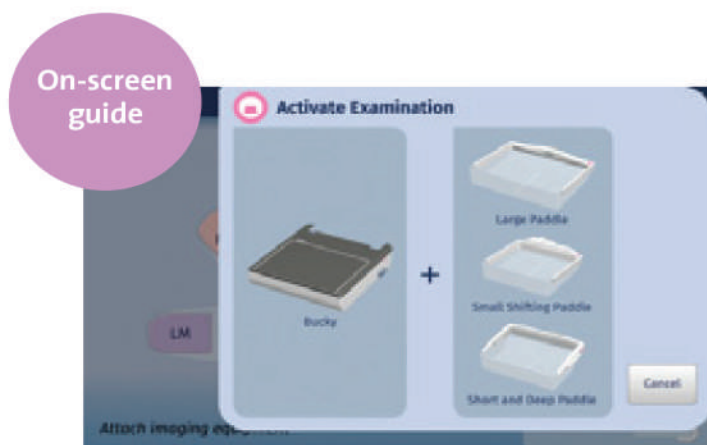


Work smarter with Planmed Clarity™ Flow

The **Planmed Clarity™ Flow** touch control will completely change your mammography experience. It is a completely new and unique way to access unit functions in an easy-to-learn environment. Planmed Clarity Flow offers a customisable mammography workflow solution for all – from beginners to more advanced mammographers.

Excellent usability

Adaptable, adjustable, touchable – these are the best words to describe the most striking addition to the design of the new line of Planmed mammography products. The Planmed Clarity™ Flow touch control with dual touchscreens provides a clear and simplified user experience. You can now display a reference mammogram at the unit to aid positioning, for example, or use your own individual workflow sequence.

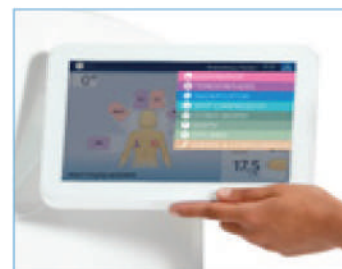


Optimal ergonomics

Positioning a patient for a screening mammogram often requires awkward posture, and in the long term users can suffer from repetitive stress injuries. To enhance wellbeing, **Planmed Clarity™ 2D** is full of features that improve positioning ergonomics.

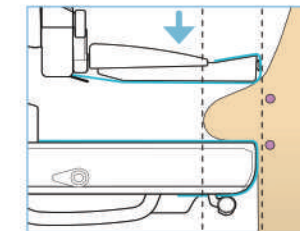
Key Features

- **SideAccess™** patient positioning
- Manual compression
- Curved, contoured chin guard
- Extended patient handlebars
- New adjustable touchscreen displays
- Multipurpose base with colour display
- Ultra compact bucky
- Optimal axial compression

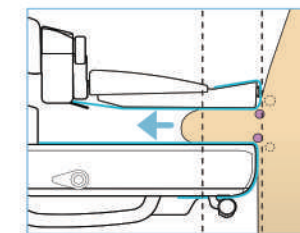


Unique MaxView™

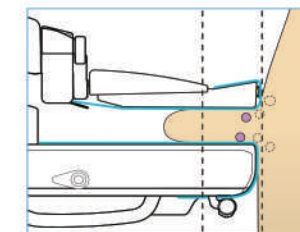
Our patented **MaxView™** breast positioning system enables optimal breast tissue visibility in all routine mammography views.



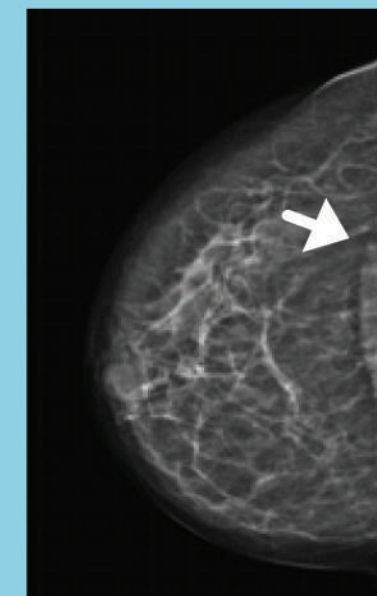
The innovative **MaxView™** uses moving, hygienic, radiolucent sheets above and below the compressed breast.



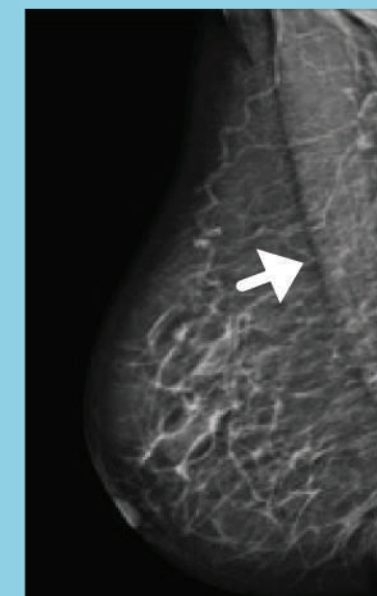
During compression, gentle traction is applied and the sheets draw the breast into the imaging field.



MaxView™ captures more tissue in the field of view and helps to detect cancers.



Right Cranio Caudal (RCC) view with **MaxView™** applied. More breast is visible in the image, including the pectoral muscle (arrow).



Right Medio-Lateral Oblique (RMLO) with **MaxView™** applied. The inframammary fold and significantly more pectoral muscle are visible in the image (arrow).

The future of digital mammography

*Planmed Clarity™ 2D is a complete digital mammography system. It features a new acquisition workstation with the **Planmed Clarity™ Manager** software, and an optional motorised imaging station.*

Complete harmony

With the **Planmed Clarity™ 2D** system you can do everything – from fast screenings to diagnostic procedures.

The **Planmed Clarity™ Manager** and **Planmed Clarity™ Flow** software are easy to learn and use. They ensure that you can fully concentrate on patient care at all times.



Ultimate diagnostic confidence with the Planmed review workstation

*The optional Planmed review workstation is a multimodality diagnostic reading station. The elegant and simple interface with the optional **Planmed DigiPad™** shortcut keyboard guarantees a fast workflow in all situations.*



Express yourself with exciting colours

Give your **Planned Clarity™ 2D** system a personal touch by combining its eye-catching design with your favourite colour. Pick the perfect one from our lively collection and create an inspiring look you can be proud to call your own!

Ocean

Peach

Sunflower

Lime

Orchid





Planmed Oy develops, manufactures and markets advanced imaging equipment and accessories for mammography and orthopedic imaging. Planmed's extensive mammography product range covers Digital Breast Tomosynthesis and digital mammography systems, analog units, stereotactic biopsy devices, and breast positioning systems for an early detection of breast cancer. Within orthopedic 3D imaging Planmed offers low dose extremity CT imaging for quicker, easier and more accurate diagnosis at the Point-of-Care.

Planmed

Planmed Oy Sorvaajankatu 7 | 00880 Helsinki | Finland | tel. +358 20 7795 300 | fax +358 20 7795 664 | sales@planmed.com | www.planmed.com

Planmed Clarity 2D with optional DBT is not commercially available for sale in the USA. Images may contain optional items not included in the standard delivery. Rights for changes reserved.



Digital Breast Tomosynthesis



Medical imaging excellence

Planmed is strongly committed to improving the early detection of breast cancer. Our mission is to provide top quality imaging systems for mammographic diagnosis.

This dedication to mammography has inspired us to constantly develop new, innovative solutions for breast imaging.

*Today, we have taken a huge step forward by introducing a completely new Digital Breast Tomosynthesis (DBT) system. **Planmed Clarity™ 3D** will set a new standard for 3D breast imaging.*

See more – with Clarity!

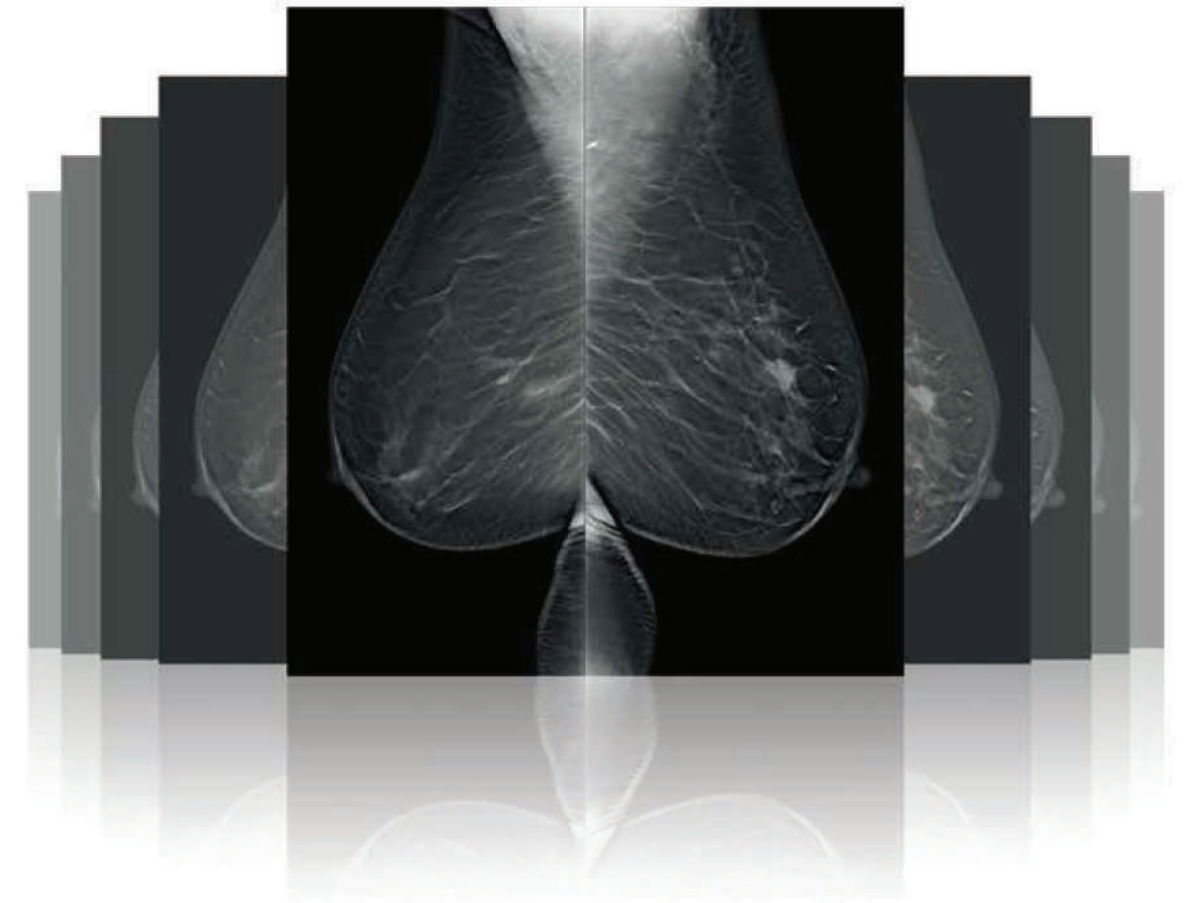


Digital Breast Tomosynthesis for all



Digital Breast Tomosynthesis is an emerging and effective technology for breast cancer detection. In many studies, DBT has shown potential to increase sensitivity and decrease unnecessary recalls.

*With **Planned Clarity™ 3D**, we aim to make affordable DBT available for breast clinics around the world. Packaged in eye-catching yet functional design, it is truly a unit for all.*

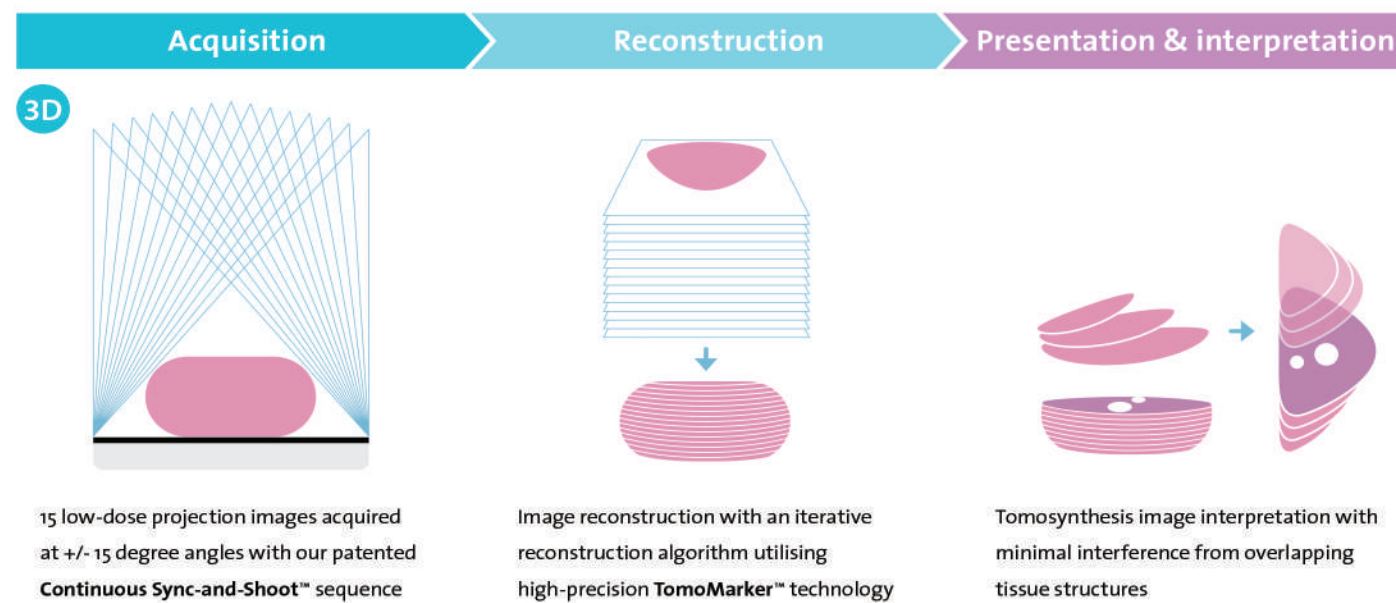
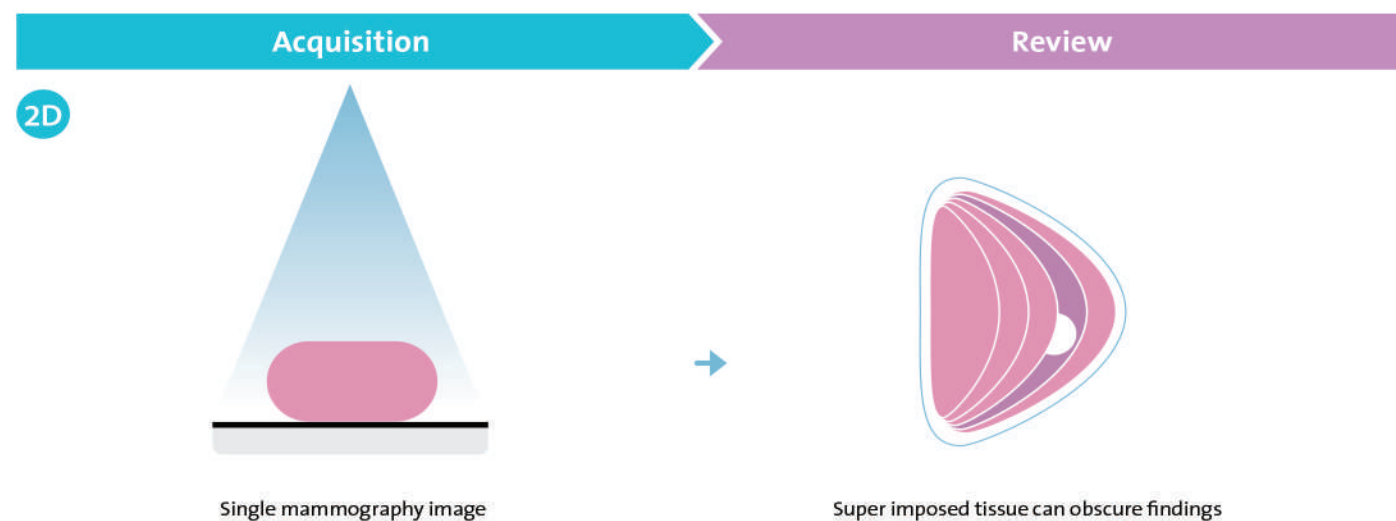


See more with Planmed DBT

Digital Breast Tomosynthesis with Planmed Clarity™ 3D

*Superimposed tissue structure can severely impair breast cancer detection in a traditional mammogram. **Planmed Clarity™ 3D** offers an unforeseen solution to this fundamental challenge in breast cancer detection.*

2D versus 3D

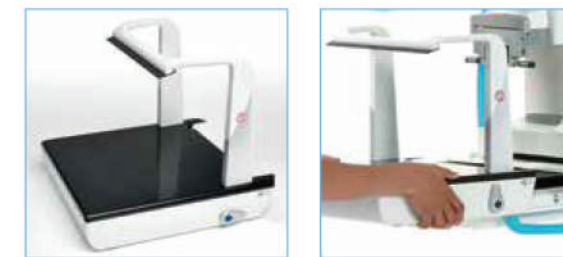


Planmed DBT technology

The clear images **Planmed Clarity™ 3D** provides are achieved by using our unique **Continuous Sync-and-Shoot™** movement and innovative **TomoMarker™** technology.

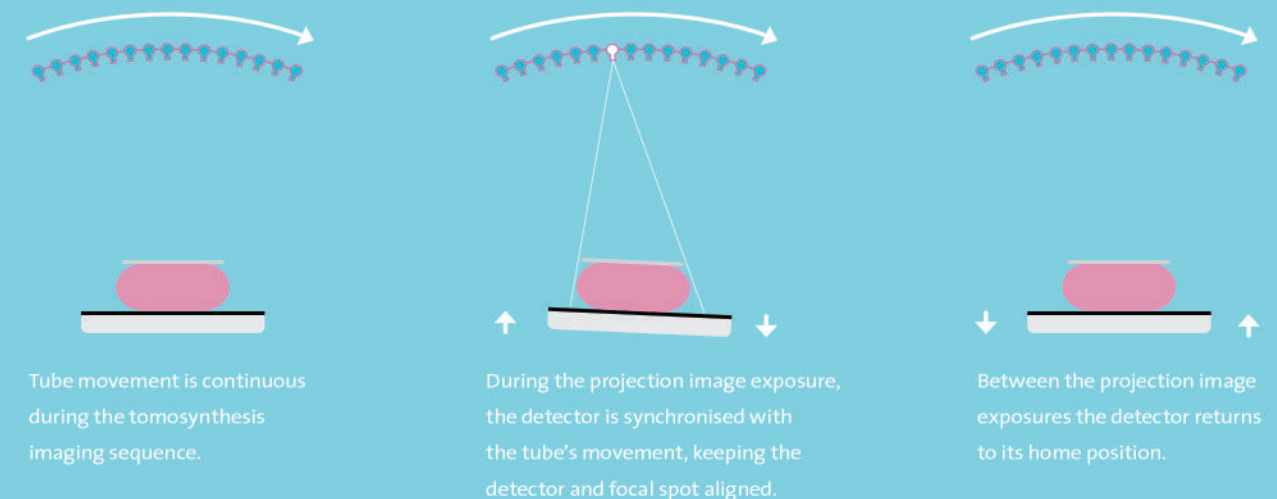
TomoMarker™

- Superior acquisition geometry detection
- Lightweight
- Easy add-on DBT solution



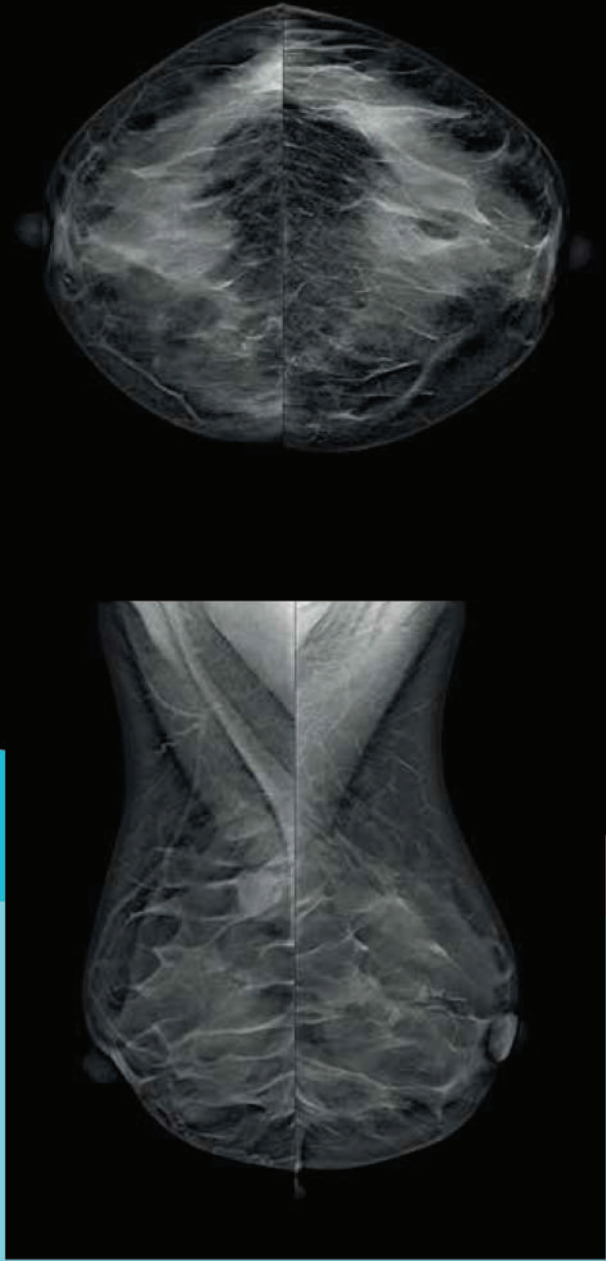
Continuous Sync-and-Shoot™

Our patented **Continuous Sync-and-Shoot™** imaging sequence enables sharp, motion-blur-free images that highlight delicate structures and microcalcifications.



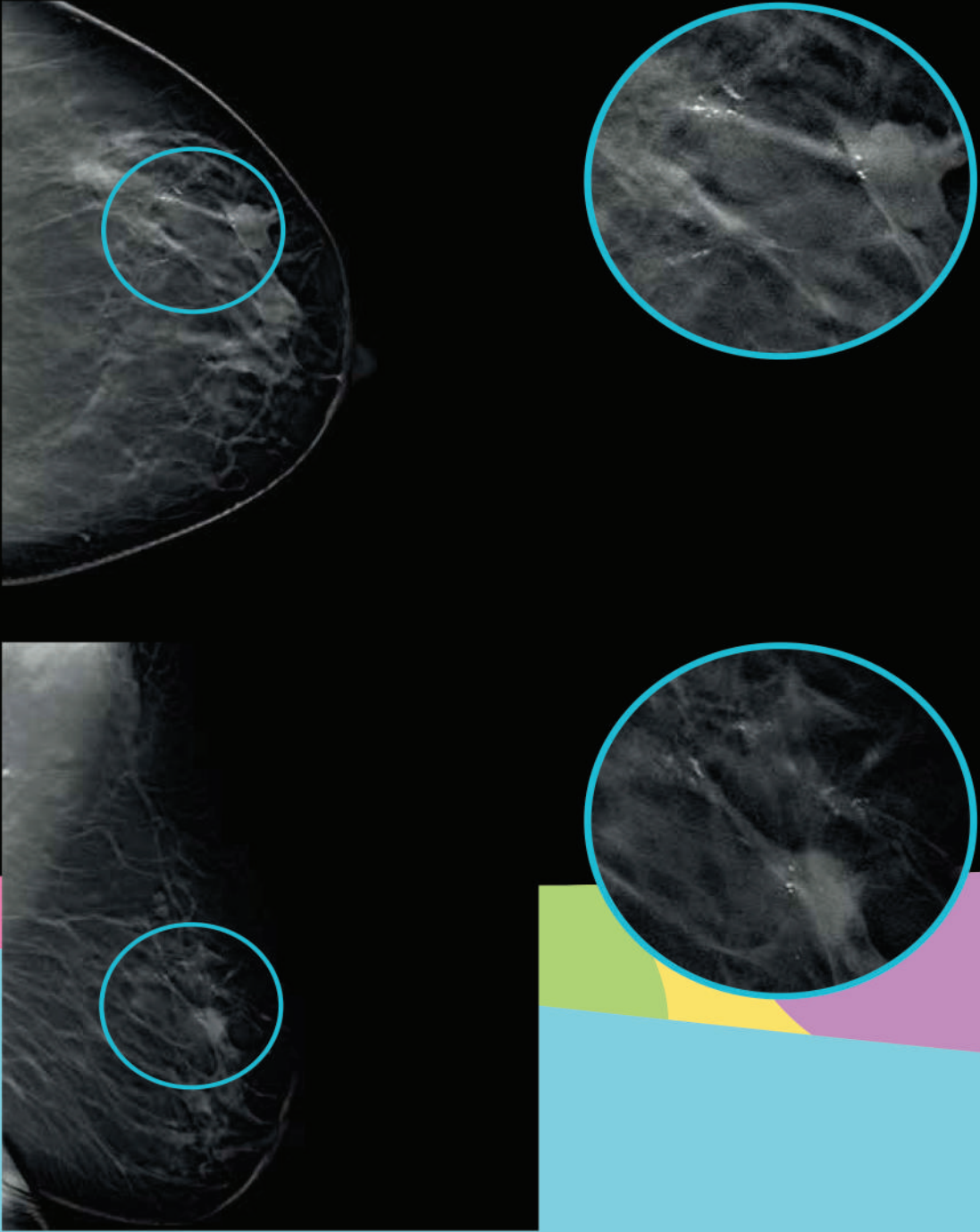
Perfected DBT image

With Digital Breast Tomosynthesis, you can see into and beyond tissue structures, enabling accurate diagnosis even with dense breast tissue cases.



Tailored image quality

Planned Clarity™ 3D has an outstanding image quality that adapts image processing to a radiologist's preferences. Image post-processing can be tailored to a radiologist's needs individually.



Unique Planned innovations



- TomoMarker™ technology**
Clear and sharp artefact-free images with Digital Breast Tomosynthesis
- Configurable dual touchscreen displays**
*Perfect usability for fast and easy daily work with the **Planmed Clarity™ Flow** touch control*
- Full Field Flex-AEC™**
Large AEC area coverage for optimal imaging in every imaging mode
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- MaxView™ breast positioning system**
Maximal tissue visibility for enhanced diagnostics
- SideAccess™ patient positioning system**
Optimal ergonomics for patient positioning

An encouraging experience

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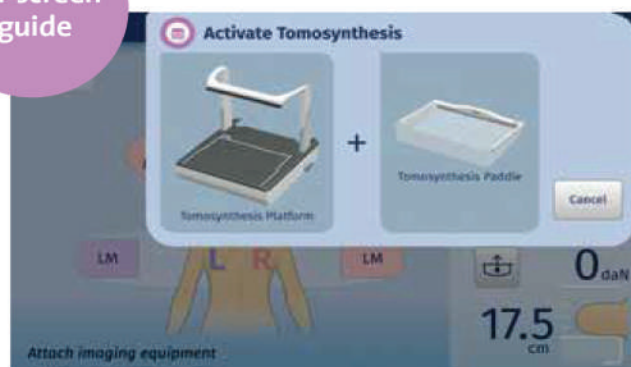
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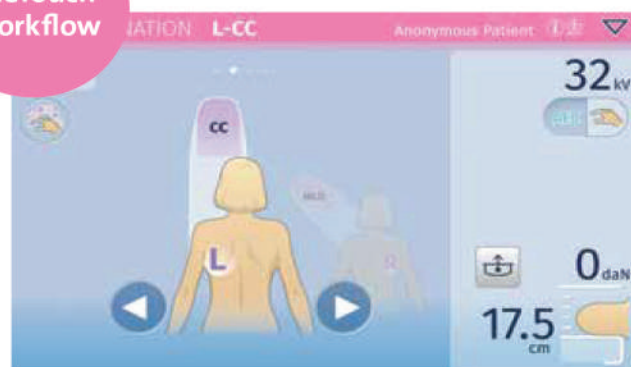
Excellent usability

Adaptable, adjustable, touchable – these are the best words to describe the most striking addition to the design of the new line of Planmed mammography products. The **Planmed Clarity™ Flow** touch control with dual touchscreens provides a clear and simplified user experience. You can now display a reference mammogram at the unit to aid positioning, for example, or use your own individual workflow sequence.

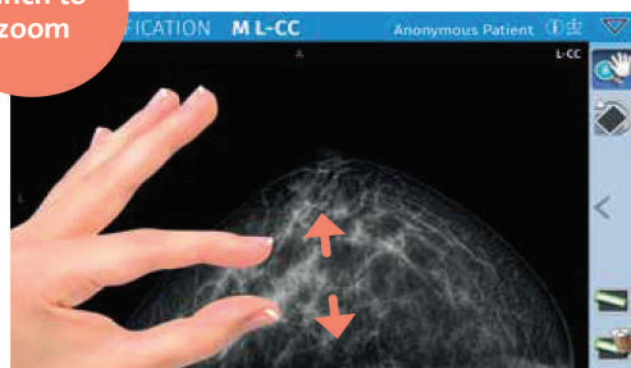
On-screen guide



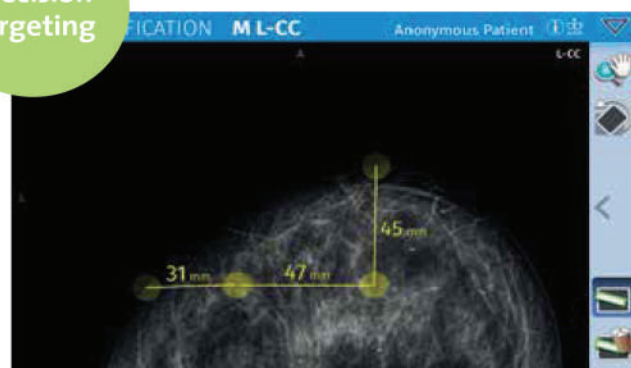
OneTouch™ workflow



Pinch to zoom



Precision targeting

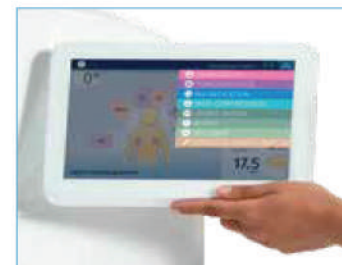


Optimal ergonomics

Positioning a patient for a mammogram often requires awkward posture, and in the long term users can suffer from repetitive stress injuries. To enhance wellbeing, **Planmed Clarity™ 3D** is full of features that improve positioning ergonomics.

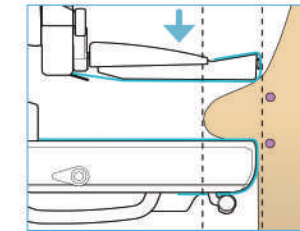
Key Features

- **SideAccess™** patient positioning
- Manual compression
- Curved, contoured chin guard
- Extended patient handlebars
- New adjustable touchscreen displays
- Multipurpose base with colour display
- Ultra compact bucky
- Optimal axial compression

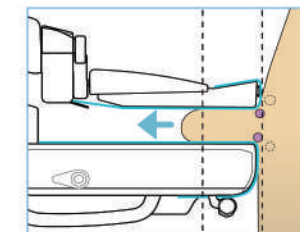


Unique MaxView™

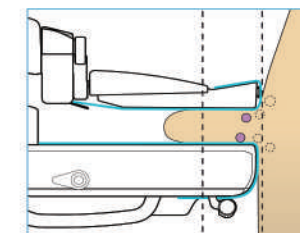
Our patented **MaxView™** breast positioning system enables optimal breast tissue visibility in all routine mammography views and tomosynthesis.



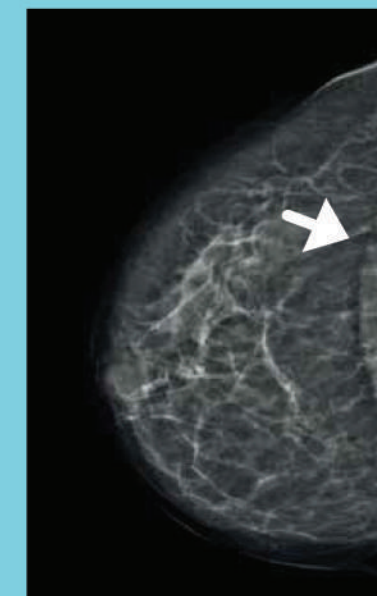
The innovative **MaxView™** uses moving, hygienic, radiolucent sheets above and below the compressed breast.



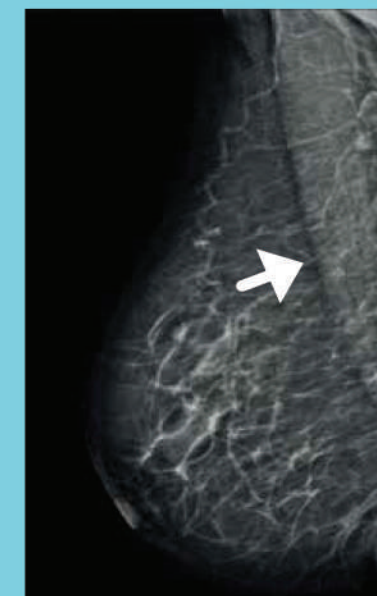
During compression, gentle traction is applied and the sheets draw the breast into the imaging field.



MaxView™ helps to capture tissue in the field of view.



Right Cranio Caudal (RCC) view with **MaxView™** applied. More breast is visible in the image, including the pectoral muscle (arrow).



Right Medio-Lateral Oblique (RMLO) with **MaxView™** applied. The inframammary fold and significantly more pectoral muscle are visible in the image (arrow).

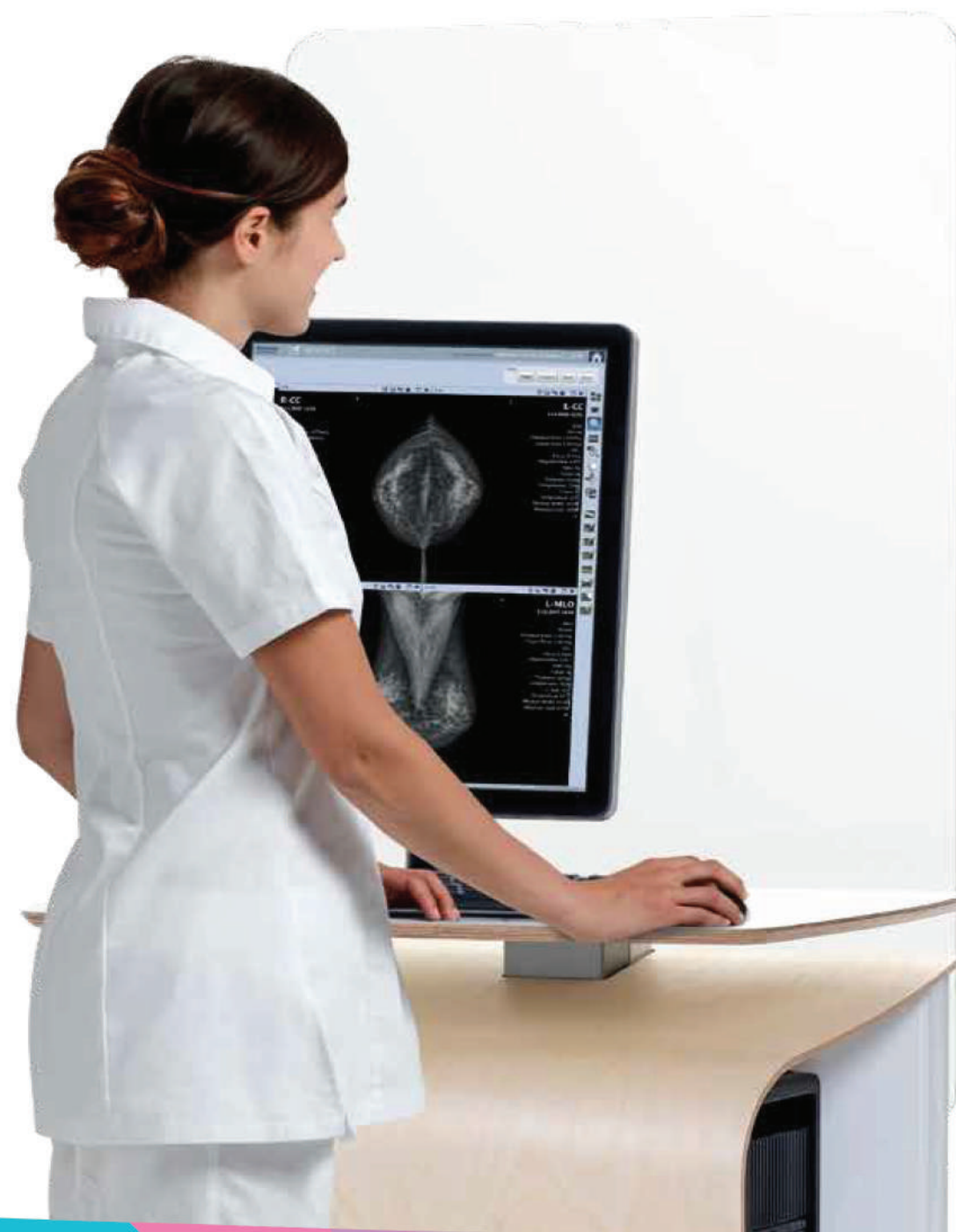
The complete Digital Breast Tomosynthesis system

Planmed Clarity™ 3D is a complete Digital Breast Tomosynthesis system. It features a new acquisition workstation with the **Planmed Clarity™ Manager** software, and an optional motorised imaging station.

Complete harmony

With the **Planmed Clarity™ 3D** system you can do everything – from fast 2D imaging to accurate 3D diagnostic procedures.

The **Planmed Clarity™ Manager** and **Planmed Clarity™ Flow** software are easy to learn and use. They ensure that you can fully concentrate on patient care at all times.



Ultimate diagnostic confidence with the Planmed review workstation

*The optional Planmed review workstation is a multimodality diagnostic reading station. The elegant and simple interface with the optional **Planmed DigiPad™** shortcut keyboard guarantees a fast workflow in all situations.*



Express yourself with exciting colours

Give your **Planned Clarity™ 3D Digital Breast Tomosynthesis** system a personal touch by combining its eye-catching design with your favourite colour. Pick the perfect one from our lively collection and create an inspiring look you can be proud to call your own!

Ocean

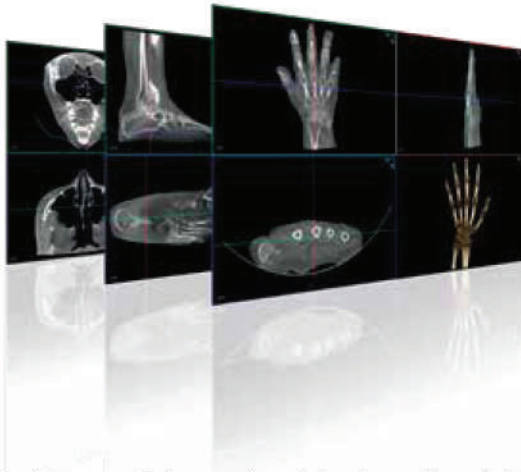
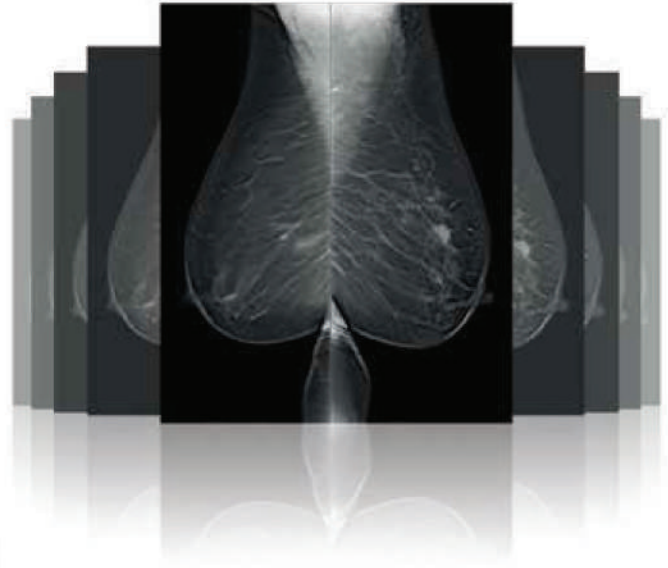
Peach

Sunflower

Lime

Orchid





Planmed Oy develops, manufactures and markets advanced imaging equipment and accessories for mammography and orthopedic imaging. Planmed's extensive mammography product range covers Digital Breast Tomosynthesis and full field digital systems, analog units, stereotactic biopsy devices, and breast positioning systems for an early detection of breast cancer. Within orthopedic 3D imaging Planmed offers low dose extremity CT imaging for quicker, easier and more accurate diagnosis at the Point-of-Care.

Planmed

Planmed Oy Sorvaajankatu 7 | 00880 Helsinki | Finland | tel. +358 20 7795 300 | fax +358 20 7795 664 | sales@planmed.com | www.planmed.com

Planmed Clarity 3D is not commercially available for sale in the USA.
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Analog mammography unit



Planmed Sophie™ Classic S analog mammography unit

Planmed Sophie™ Classic S provides an excellent and proven solution for cost-driven customers in screening and diagnostic applications. The unrivalled technology of the unit guarantees high performance without interruptions. The modular design allows the configuration to be easily expanded even years later.

Cost-effective choice for screening and diagnostics

Planmed Sophie™ Classic S is a great choice for performing mammographic breast examinations. High technology and smart solutions enable efficient workflow at smaller clinics and busy screening centers. Also diagnostic mammograms are available by upgrading the unit with a magnification platform and stereotactic biopsy device.



High-class ergonomics

Motorized, iso-centric rotation of the C-arm was first invented by Planmed and is in wide use today. The rotation eases the workload of radiographers by reducing strain in the arms and neck. Automated features, such as the Automatic Exposure Control and automatic selection of the collimator ensure correct parameters for imaging and help to avoid additional retakes.

Proven performance

Planmed Sophie Classic S has been widely sold in all continents from Europe to Americas, Asia, Africa and Australia. It stands out from other mammography units with an integrated and extremely compact high-frequency generator. The dual power generator provides truly constant and efficient power for imaging.



Easily upgraded for diagnostic applications

Modular design allows easy expansion with several optional accessories, such as magnification and needle localization kits. A single magnification platform offers 1.6x and 1.8x factors.

Stereotactic biopsy guidance system

The optional Planmed Cytoguide™ analog stereotactic biopsy guidance system provides accurate stereotactic breast biopsies and preoperative markings. It is compatible with the most used biopsy guns and systems. Planmed offers also arms for most biopsy guns for a lateral approach.



Optional accessories

Planmed offers a wide range of accessories for mammography clinics. Adapters for most CR systems are available and are needed for recording exposure parameter on images. Planmed radiation protection shield is also available to complement the Planmed Sophie Classic S.



Key Facts



- Analog mammography unit for screening and diagnostics
- All movements motorized and speed adjustable
- All key functions automatic
- High-speed, constant potential x-ray tube
- Integrated HF constant potential power supply
- Weight 160 kg
- Free standing base
- Transportable

Planmed

Planmed Oy Sorvaajankatu 7 | 00880 Helsinki | Finland | tel. +358 20 7795 300 | fax +358 20 7795 664 | sales@planmed.com | www.planmed.com



THE NEXT GREEN INNOVATION

Green 16/18™



- **4-IN-1 DIGITAL** [PANO | CEPH | CBCT | MODEL]
- **MULTI FOV SELECTION**
- **GREEN SCAN TIME**
- **LOW DOSE AND HIGH IMAGE QUALITY**
- **THE ART-V**
- **3D SCANNING FOR MODEL**

THE ADVANCED 4-IN-1 DIGITAL X-RAY IMAGING SYSTEM





The Green 16/18 is an advanced 4-in-1 digital x-ray imaging system that incorporates PANO, CEPH (Optional), CBCT, and MODEL Scan.

It provides high quality images with lower radiation by combining image processing and accumulated experience in dental imaging from Vatech. This will improve your diagnostic accuracy with increased treatment planning and patient satisfaction.



MULTI FOV SELECTION

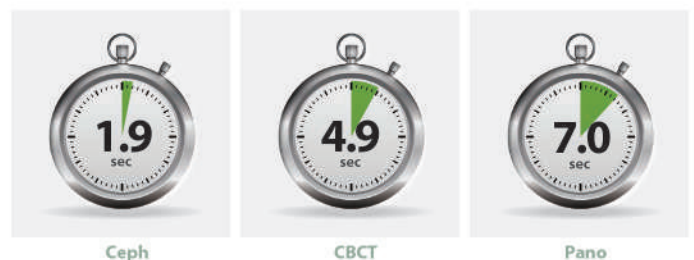
The Green 16/18 offers a range of selectable fields of view. The Multi FOV enables the user to select the optimal FOV mode and minimizes exposure to areas not in the region of interest. Select the proper FOV size among 18x10, 16x9, 13x10, 12x9, 8x9, and 5x5 based on a particular diagnostic need. It covers the full arch region, sinus, and left/right TMJ and it suits most oral surgery cases as well as multiple implant surgeries.

Endo & Single implant	Arch	Dual Arch	Sinus & TMJ
5x5	8x9	12x9 / 13x10	16x9 / 18x10
			
Optimal size to cover 3~4 teeth through capturing ROI	Basic FOV size & select a left or right or center arch	Suitable for multiple implant surgeries	Optimal size for sinus & TMJ diagnosis

GREEN SCAN TIME

The Green 16/18 minimizes motion artifact and enables faster workflow due to its scan time.

It produces superb diagnostic images, which will be a source of pride for any dental practice. Focusing on the highest quality of patient care, Vatech strives to improve the health and safety of your patients.

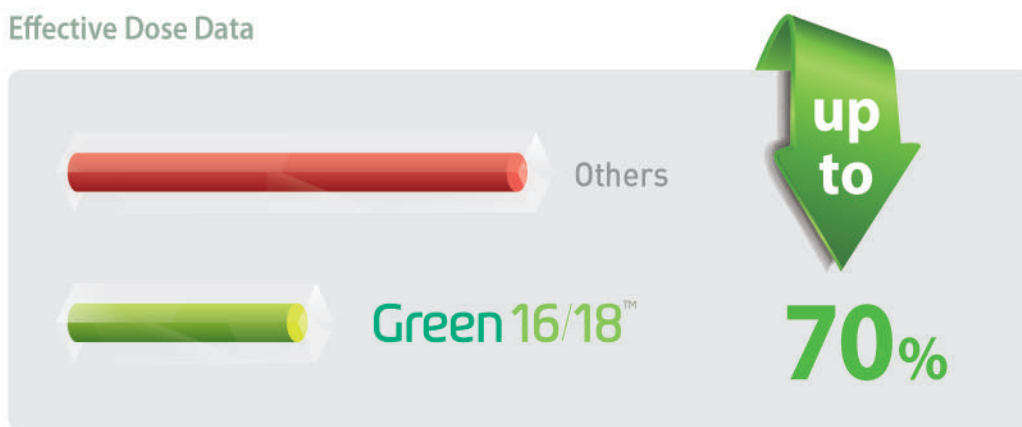




LOW DOSE AND HIGH IMAGE QUALITY

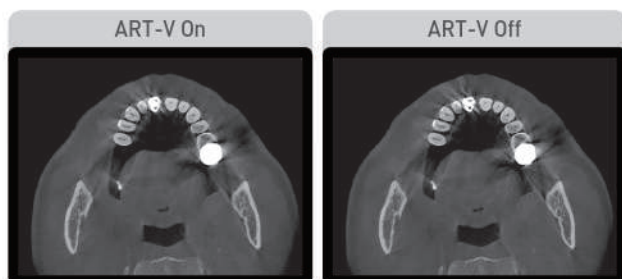
What has been developed at Vatech breaks many conventions in dental radiography. It was always believed that with low radiation comes inferior image quality, which renders it useless in clinical diagnosis. However, the Green 16/18 provides clinically diagnosable x-ray scans at a low x-ray dosage. With low dose radiography, achieving clinically diagnosable image quality is the new golden-standard.

Effective Dose Data



THE ART-V

Metal artifact hinders visualization and naturally reduces diagnostic confidence. Clear images cause less stress and provide more confidence which lead to accurate diagnosis for implant planning.



*ART-V is the new name of Vatech's MAR function. (Artifact Reduction Technology of Vatech)

3D SCANNING FOR MODEL

3D model scan enables users to store plasters as digital models.

DIGITIZED ONE-STOP CLINIC



CAD/CAM integration

- Sufficient level of detail for surgical guide design



Specially designed Jig

- Stable protection from partial model to full model

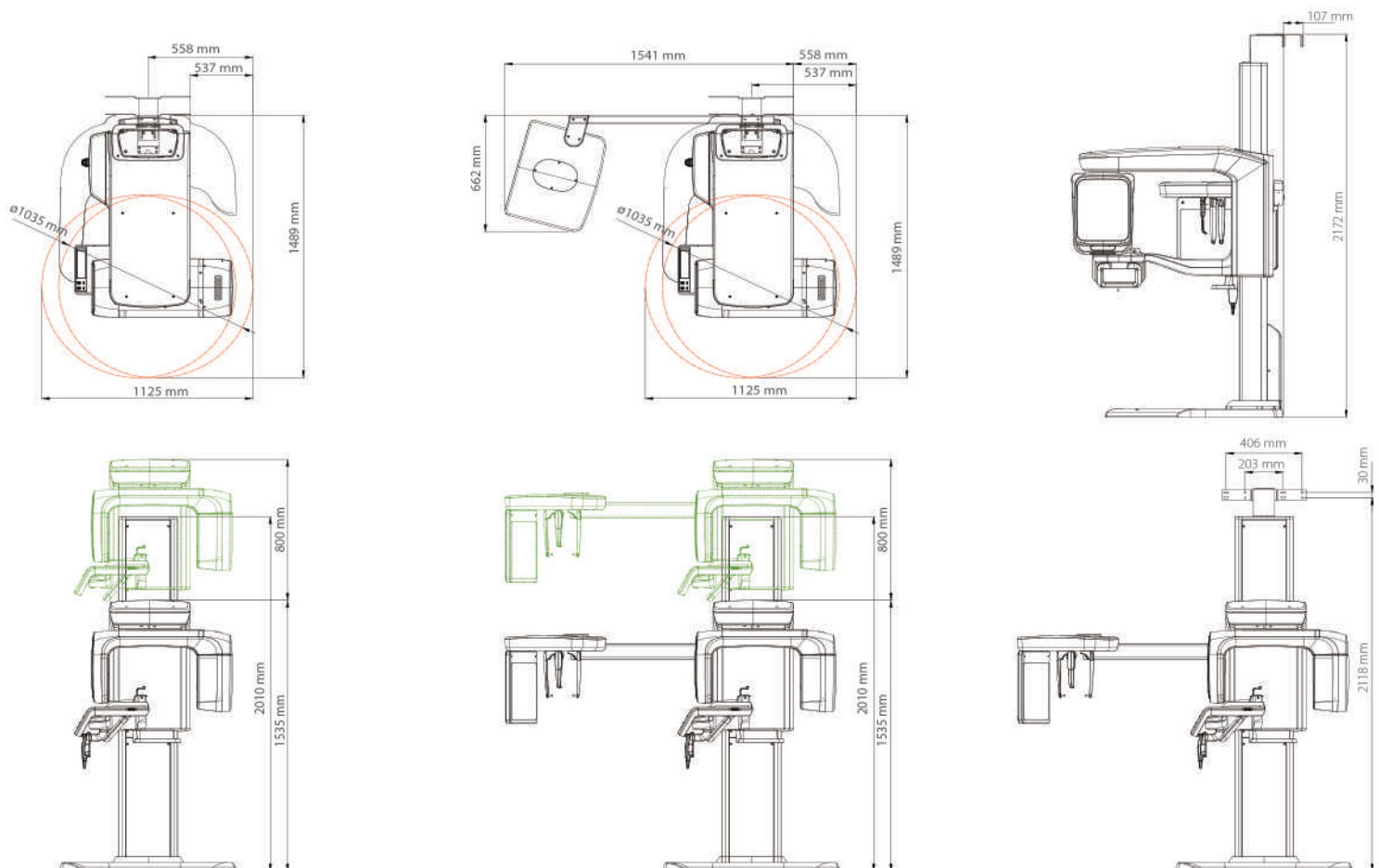
*3D scanning for Plaster Cast with FOV 8x9 (cm)

SPECIFICATIONS [Green 16/18 : PHT-65LHS]

Function	CT + Pano + Ceph + Model Scan	
Focal Spot Size	0.5 mm (IEC60336)	
CT FOV Size	16x9 cm : Multi [5x5 / 8x9 / 12x9 / 16x9 cm] 18x10 cm : Multi [5x5 / 8x9 / 13x10 / 18x10 cm]	
Voxel Size	5x5	0.08 mm / 0.12 mm
	8x9	0.12 mm / 0.2 mm
	12x9	0.2 mm / 0.3 mm
	13x10	0.2 mm / 0.3 mm
	16x9	0.2 mm / 0.3 mm
	18x10	0.2 mm / 0.3 mm
Scan Time	Pano	14.1 sec / 7.0 sec
	Ceph	3.9 sec / 1.9 sec
	CBCT	9.0 sec (12x9 - 18x10) / 4.9 sec (5x5 - 8x9)
Gray Scale	14 Bit	
Tube Voltage / Current	60 - 99 kVp / 4 - 16 mA	
Weight	Without CEPH unit	134 kg - without the Base
		187 kg - with the Base
	With CEPH unit	159 kg - without the Base
		212 kg - with the Base
Dimensions	Without CEPH unit	1125 mm (L) x 1489 mm (W) x 2335 mm (H)
	With CEPH unit	1874 mm (L) x 1489 mm (W) x 2335 mm (H)

*The specifications are subject to change without prior notice.

DIMENSIONS [Unit: mm]



***An additional 3 inches (76.2 mm) of space is required behind the unit for wall mount bracket installation (mandatory unless there is a base mount installation).**

RAISING THE BAR FOR EXCELLENCE

Green 21™

**LARGE 21X19 FOV FOR COMPLETE
DIAGNOSTIC IMAGING NEEDS**

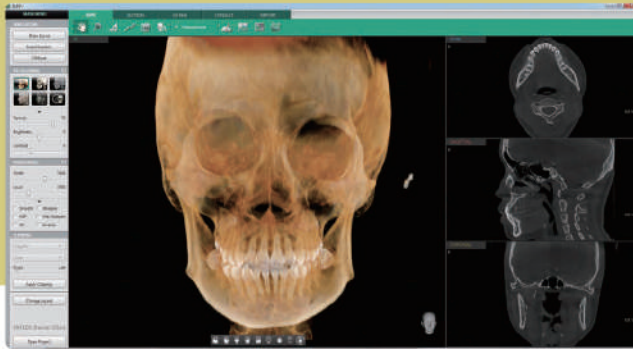
**THE OPTIMAL SOLUTION FOR
AIRWAY AND ENT DIAGNOSIS**

**AUTOMATICALLY GENERATES UP TO
6 TYPES OF IMAGES IN 1 SCAN**



THE MOST SUITABLE FOV SIZE FOR A COMPLETE DIAGNOSIS

A 21x19 FOV is the optimal size for oral maxillofacial surgeons and orthodontists. Anatomically, it captures the regions from the roof of the orbits and nasion down to the hyoid bone.



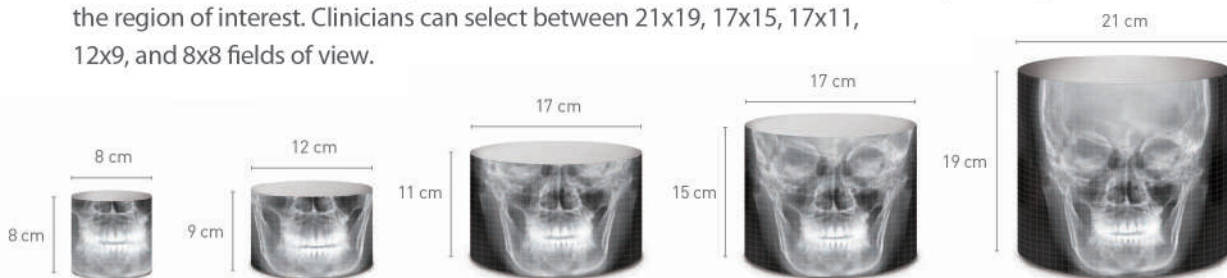
- ✓ Oral and maxillofacial surgery
- ✓ Facial reconstructions
- ✓ Orthodontic treatment planning
- ✓ Complex orthognathic cases

The Green 21 utilizes a proprietary 49.5 µm high resolution x-ray sensor, which makes it the finest pixel and highest resolution CBCT available on the market today.

[Multi FOV]

The Green 21 offers a wide range of selectable Fields of View (FOV).

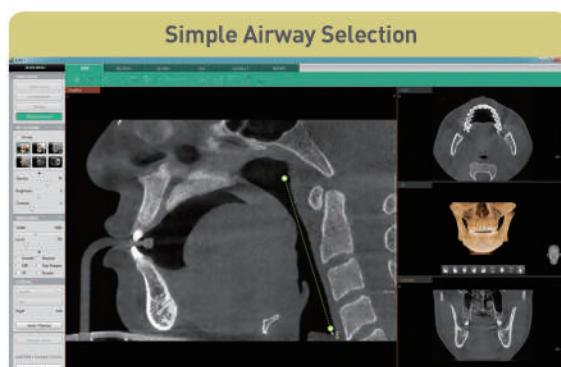
This selectable FOV helps limit patient radiation exposure, and allows users to capture only the region of interest. Clinicians can select between 21x19, 17x15, 17x11, 12x9, and 8x8 fields of view.



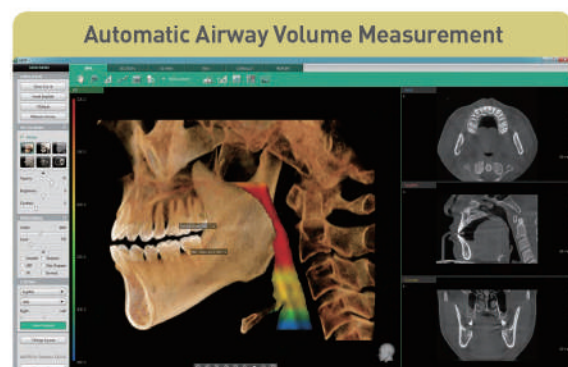
The Green 21 provides an ENT mode (Airway/TB&PNS) for ENT specialists.

The fields of view are based on patients' most common cases such as cholesteatoma, chronic sinusitis, and sleep apnea.

[Airway] A Powerful Function for Airway Volume Analysis

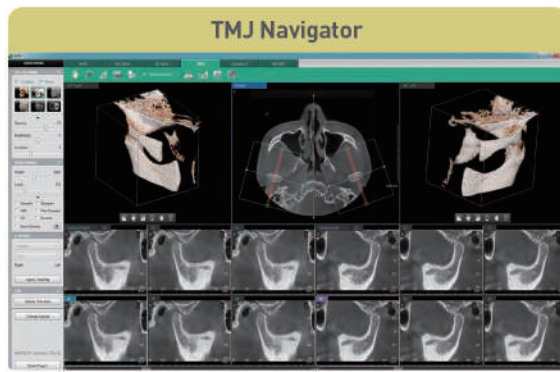


- 2-click airway region selection

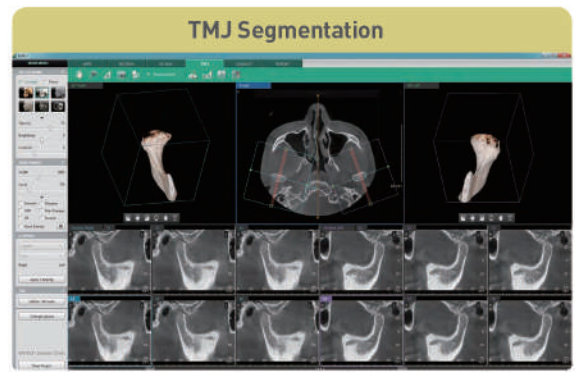


- Segmented airway volume and color coded thickness measurements
- Automatically calculates total volume and minimum area measurements

[TMJ] Simultaneous Analysis for both TMJ



- Instant automatic cross-sectional images



- Easily segment and separate the Condyle or Fossa
- Rotation for an accurate diagnosis

*Airway & TMJ analysis available on Ez3D-i V4.1

AUTOMATICALLY GENERATES UP TO 6 TYPES OF IMAGES IN 1 SCAN

One scan with the Green 21, can capture the raw data needed for a CBCT, Panorama, PA Ceph, Lateral Ceph, SMV Ceph, and Waters' View Ceph.

With this scan, the system is capable of capturing images for craniofacial, maxillofacial, and orthodontic treatment planning.

VALUE-ADDED AUTO IMAGE SELECTION

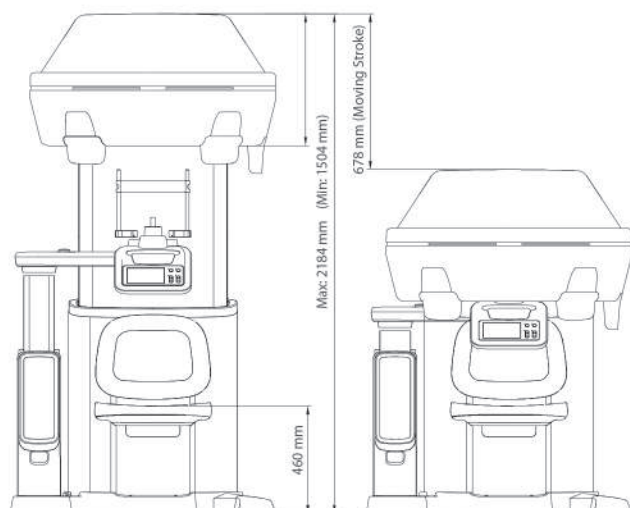


Select the image type needed for your treatment plan.

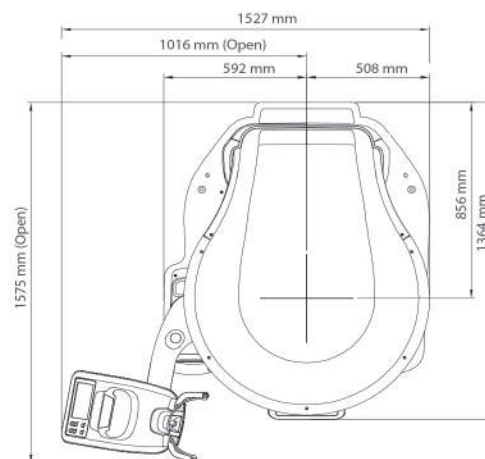


* Conventional Panorama mode is included.

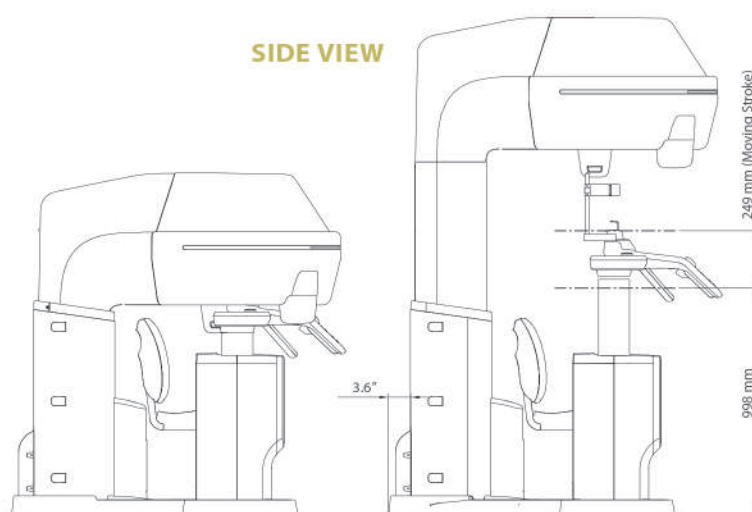
FRONT VIEW



TOP VIEW



SIDE VIEW



SPECIFICATIONS [Green 21: PCT-90LH]

Function	CT (Auto Pano/Auto Ceph) + Pano	
CT FOV Size	Dental	21x19 / 17x15 / 12x9 / 8x8 cm
	ENT	21x19 / 17x11[TB&PNS] / 17x11[Airway] cm
Scan Time	Pano	13.5 sec
	CT	Max. 18 sec
Voxel Size	0.2 / 0.3 / 0.4 mm	
Focal Spot Size	0.5 mm [IEC60336]	
Gray Scale	14 bit	
Tube Voltage	60 - 120 kV	
Current	4 - 10 mA	
Weight	321 kg (708 lbs)	
Dimensions	1575 mm(L) x 1527 mm(W) x 2184 mm(H)	

• The specifications are subject to change without prior notice.

NEW GREEN INNOVATION

Green X™



- **4-IN-1 DIGITAL X-RAY IMAGING SYSTEM**
[PANO / CEPH / CBCT / MODEL SCAN]
- **MULTI FOV SELECTION**
- **GREEN SCAN TIME**
- **ENDO MODE WITH HIGH RESOLUTION**
- **INSIGHT 2.0 FEATURE**
- **3D SCANNING FOR MODEL**





THE ADVANCED 4-IN-1 DIGITAL X-RAY IMAGING SYSTEM

Green X is an advanced 4-in-1 digital x-ray imaging system that incorporates Pano, Ceph (optional), CBCT, and Model Scan. With Vatech's extensive experience in the dental imaging field, the Green X provides high-quality images with lower radiation by combining image processing. This will improve your diagnostic accuracy and lead to increased treatment planning and patient satisfaction.



MULTI FOV SELECTION

Green X offers a range of selectable fields of view. The Multi FOV option allows users to select the optimum FOV mode while minimizing exposure to areas that are not in the region of interest. The selection includes the following FOV sizes for diagnostic needs: 16x9, 12x9, 8x9, 8x5, 5x5 and 4x4. These options cover the full arch region, sinus and left/right TMJ, and suits most oral surgery cases and multiple implant surgeries.

				
	50mm	80mm	120mm	160mm
	FOV 4x4/5x5	FOV 8x5/8x9	FOV 12x9	FOV 16x9
REGION	- Single tooth capture	- Central dentition - TMJ (R or L)	- Dual arch including sinus and nerve - TMJ (R or L)	- Back border of jaw (Ramus) - Dual arches back to the 3 rd molars plus sinus - Central incisor to spine
CLINICAL IMPLICATION	- Implant single site - Endo - Perio - Complex impaction (3rd) - OMS - Supernumerary: Ortho	- Implantology - Guided Surgery - General Dentist - OMS - Orthodontics	- Surgical guides - Sinus lifts - Bone grafting - Bi lateral sinus augmentation	- Surgical Guides - Sinus lifts for both sinuses - Complex orthognathic cases - Simultaneous diagnosis for both TMJs

GREEN SCAN TIME

Due to its scan time, the Green X minimizes motion artifact and enables faster workflow. It produces superb diagnostic images, which will be a source of pride for any dental practice.

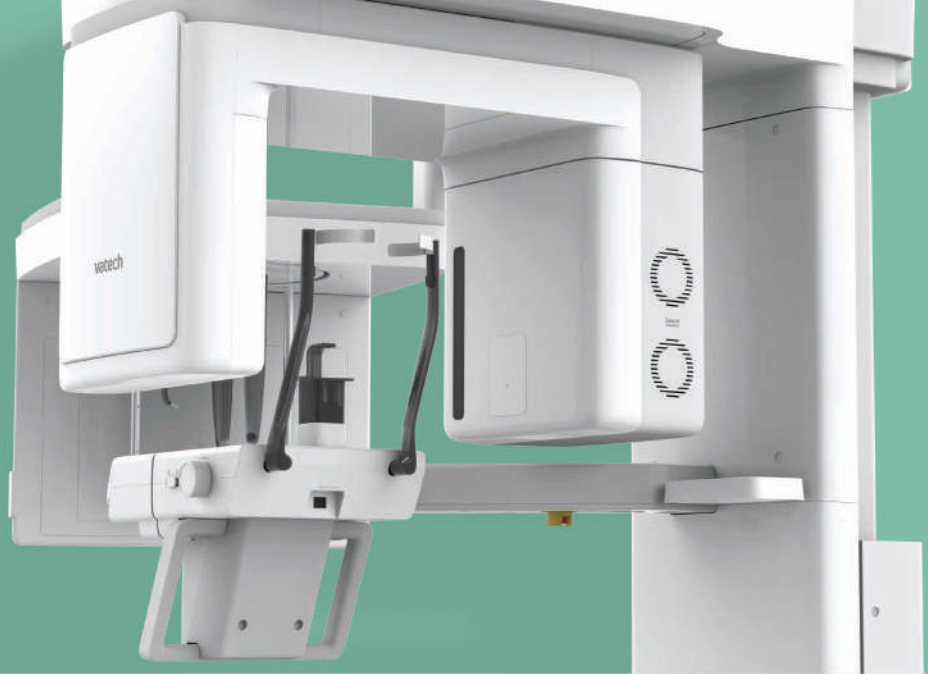
Focusing on the highest quality of patient care, Vatech strives to improve the health and safety of your patients.



Ceph

CBCT

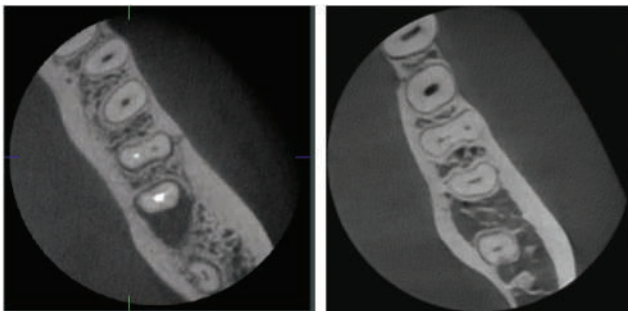
Pano



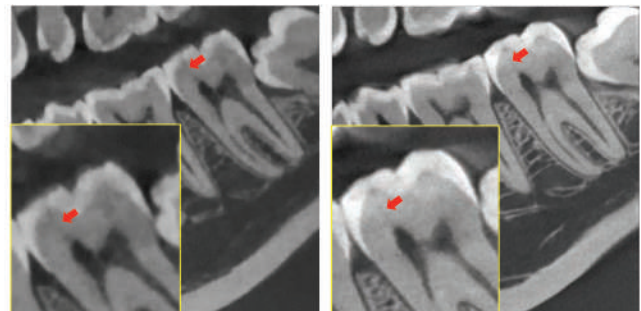
ENDO MODE WITH HIGH RESOLUTION

With its 4cm x 4cm volume mode and 49.5 micron voxel size, the Endo mode will optimize treatment of highly-focused regions of interest. It is ideal for endodontic use because the dentist is able to achieve an extraordinary image in a high-resolution voxel size.

DENTAL MODE VS. ENDO MODE

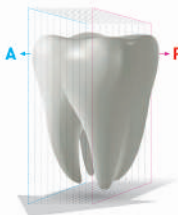


DENTAL MODE VS. ENDO MODE

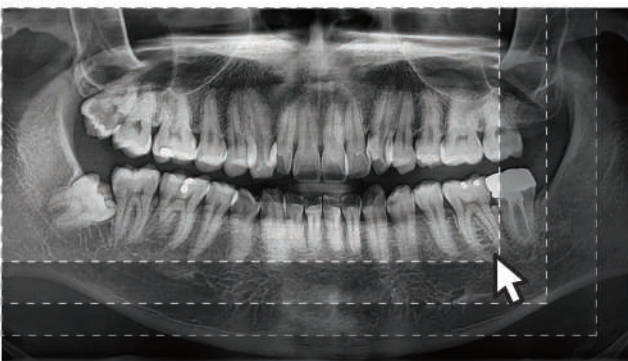


INSIGHT 2.0

The Insight Pan is capable of taking a multi-layered panoramic image, called an Insight Pan, which provides a unique in-depth look across a single focal trough. Insight 2.0 has an upgraded free FOV feature so you will be able to capture just the area of interest.



FREE FOV



3D SCANNING FOR MODEL

3D model scan enables users to store plasters as digital models.

DIGITIZED ONE-STOP CLINIC



CAD/CAM integration
 • Sufficient level of detail for surgical guide design

Specially designed Jig
 • Stable protection from partial model to full model



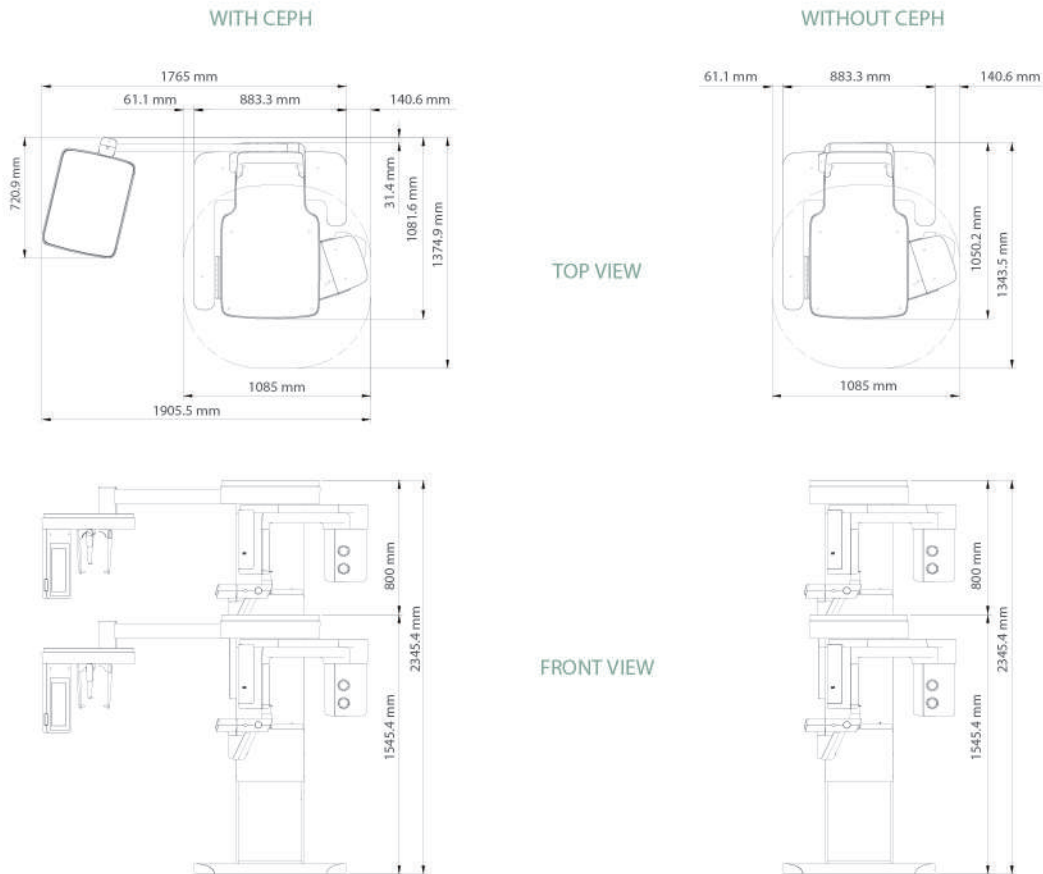
*3D scanning for Plaster Cast with FOV 8x9 (cm)

SPECIFICATIONS [Green X : PHT-75CHS]

Function	CT + Pano + Ceph + Model Scan	
Focal Spot Size	0.5 mm (IEC 60336)	
CT FOV Size	16x9 cm : 4x4, 5x5, 8x5, 8x8, 12x9, 16x9 cm	
Voxel Size	4x4	0.05 mm
	5x5	0.08 mm / 0.12 mm
	8x5 / 8x8	0.12 mm / 0.2 mm
	12x9 / 16x9	0.2 mm / 0.3 mm
Scan Time	Pano	4.0 sec / 14.1 sec
	Ceph	1.9 sec / 4.9 sec
	CBCT	2.9 sec / 9.0 sec
Gray Scale	14 Bit	
Tube Voltage / Current	60 - 99 kVp / 4 - 16 mA	
Weight	Without CEPH unit	162.9 kg (359.13 lbs - without Base)
		217.9 kg (480.38 lbs - with Base)
	With CEPH unit	187.9 kg (414.25 lbs - without Base)
		242.9 kg (535.50 lbs - with Base)
Dimensions	With CEPH unit	1905.5 mm (L) x 1374.9 mm (W) x 2315.4 mm (H) - without Base
		1905.5 mm (L) x 1374.9 mm (W) x 2345.4 mm (H) - with Base
	Without CEPH unit	1085.0 mm (L) x 1343.5 mm (W) x 2315.4 mm (H) - without Base
		1085.0 mm (L) x 1343.5 mm (W) x 2345.4 mm (H) - with Base

*The specifications are subject to change without prior notice.

DIMENSIONS [Unit: mm]



***An additional 3 inches (76.2 mm) of space is required behind the unit for wall mount bracket installation (mandatory unless there is a base mount installation).**

YOUR PARTNER IN DIGITAL SUCCESS,

PaX-i



SUPERIOR IMAGES QUALITY

- Optimal image for accurate diagnosis

TWO DEDICATED SENSORS

- Specialized sensors for Pano & Ceph
- Streamlined workflow and prolonged lifespan of sensors

USER-FRIENDLY SOFTWARE, EZDENTI

- A Complete diagnostic and consultation solution

THE ADVANCED IMAGING SOLUTION FOR ACCURATE DENTAL DIAGNOSIS

PaX-i provides the most precise and high quality panoramic image by combining imaging processing and accumulated experience in dental imaging from VATECH. This will improve your diagnostic accuracy with increased treatment planning and patient satisfaction.



NEW STANDARD OF PANORAMIC IMAGE

A clear and sharp panoramic image brings you better diagnostics. Advanced details, especially in the anterior and dental roots can be easily viewed with the PaX-i. These consistently high quality images are the new standard of panoramic imaging.



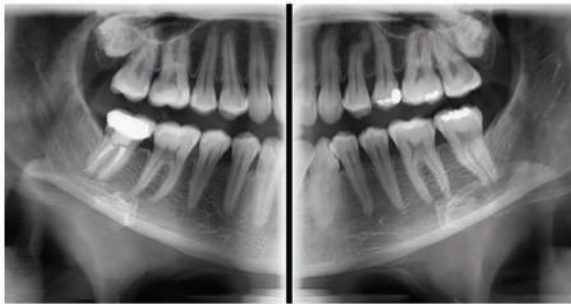
TWO DEDICATED SENSORS

PaX-i offers two dedicated and embedded sensors for Pano and Ceph. This not only allows you to capture an optimal image from each sensor but it also creates efficient workflow.

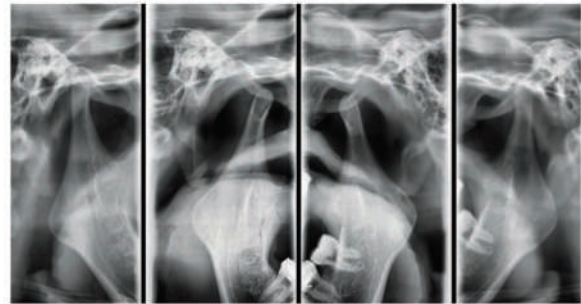


MAKE YOUR DIAGNOSIS EASY AND EFFICIENT WITH VARIOUS CAPTURE MODES

The PaX-i has various capture modes to meet your diagnostic needs. You can choose any capture mode based on your diagnostic needs.



Bitewing Mode



TMJ Mode

SELECTION	ARCH	EXAMINATION MODE
PANO EXAMINATION	Narrow / Normal Wide / Child	Standard / Right / Front / Left
	Orthogonal	Orthogonal Standard / Right / Front / Left Bitewing Standard / Right / Front / Left
SPECIAL EXAMINATION	Normal	TMJ LAT Open / Close TMJ PA Open / Close Sinus LAT / PA

THE ADVANCED IMAGE SOLUTION FOR ORTHODONTIC DIAGNOSIS

EXTENDED DIAGNOSTIC VALUE FOR WIDE INSIGHT

CEPHALOMETRIC (SCAN CEPH)

The PaX-i provides optimal images exclusively designed for orthodontics. There are two image sizes available, Lateral and Full Lateral, allowing you to choose your image size based on your diagnostic needs.



Provide specialized high quality images to suit orthodontics and maxillofacial surgeries.



Full lateral image size is 30% wider and shows the occipital area of the patient, which enables comprehensive diagnosis.

EXAMINATION PROGRAM	SCAN TIME (SEC)	IMAGE SIZE
LATERAL	12.9	21X23cm (8.3X9.1")
FULL LATERAL	16.9	27X23cm (10.6X9.1")



ONE SHOT CEPH

With One Shot Ceph, you can acquire high quality images with low X-ray dosage. Plus, short scan time markedly reduces motion artifacts.

CEPHALOMETRIC (ONE SHOT TYPE)

Superior image quality will be delivered using the a-Si TFT sensors. Three different ceph image sizes reduce unnecessary X-ray dosage and scans the ideal area of cranial anatomy for your diagnosis and treatment planning.



30X25cm (12X10")



OP (One Shot Premium)

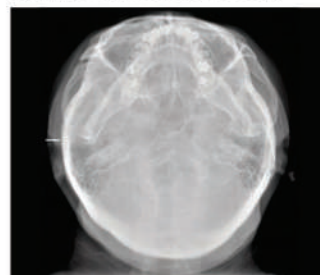
PA



Carpus



SMV(Submentovertex)



PRODUCT CONFIGURATION

	PANO	CEPH	
		SCAN	ONE SHOT
PaX-i	•	–	–
PaX-i SC	•	•	–
PaX-i OP	•	–	•

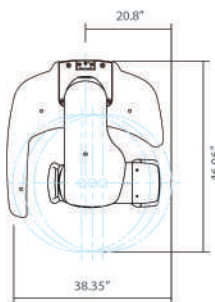
SPECIFICATIONS (PaX-i : PCH-2500)

Function	Pano + Ceph	Ceph FOV Size	SC 8.3"X9.1" [LAT, PA, SMV, Waters View, Carpus] 10.6"X9.1" [Full LAT]
Scan Time	Pano : HD 13.5sec / Normal 10.1sec Ceph : Scan 12.9sec / One-shot 0.9sec		OP 12"X10" [LAT, PA, SMV, Waters View, Carpus]
Focal Spot	0.5mm	Gray Scale	14 bit
Tube Voltage/ Current	50-90 kVp / 4-10 mA	Patient Positioning	Standing / Wheel-Chair Accessible

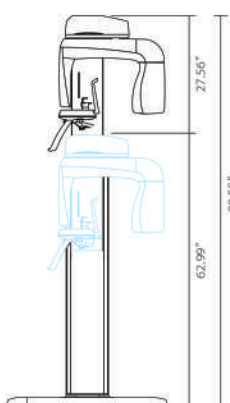
DIMENSIONS

PaX-i Pano

TOP VIEW

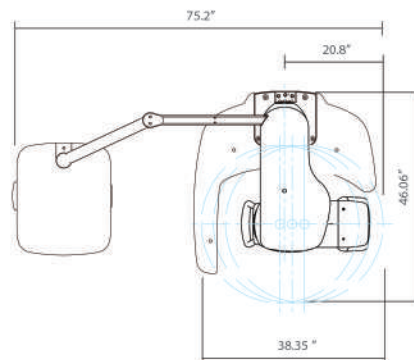


FRONT VIEW

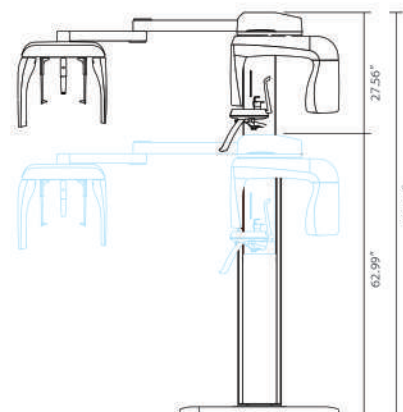


PaX-i SC Pano / Scan Ceph

TOP VIEW

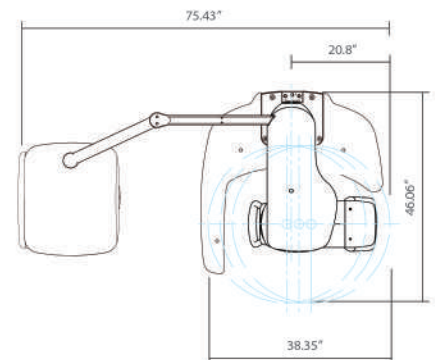


FRONT VIEW

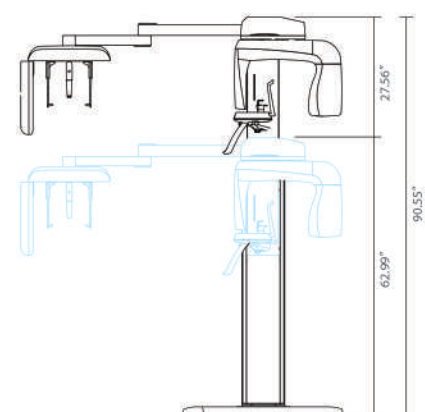


PaX-i OP Pano / One Shot Ceph

TOP VIEW



FRONT VIEW



*** An additional 7.5 inches of space is required behind the unit for wall mount bracket installation (mandatory unless there is a base mount installation).**

THE WORLD'S FIRST CLINICAL IMAGING & PATIENT CONSULTATION SOLUTION



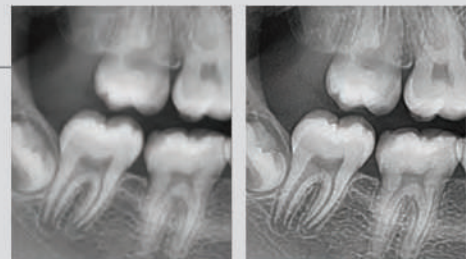
Featuring... Vatech's Virtual Consultant Tool (VCT)

With over 200 unique animations, VCT gives you the tools to not only educate patients on treatment plans, but also show how this plan is relevant to their specific case.



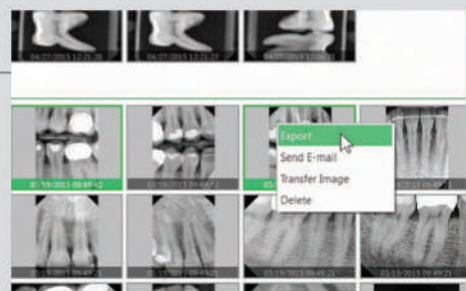
Get The Most Out Of Your Images

Using our revamped Sharpening and Max Sharpening Tool, enhance the quality of your images even further than ever before.



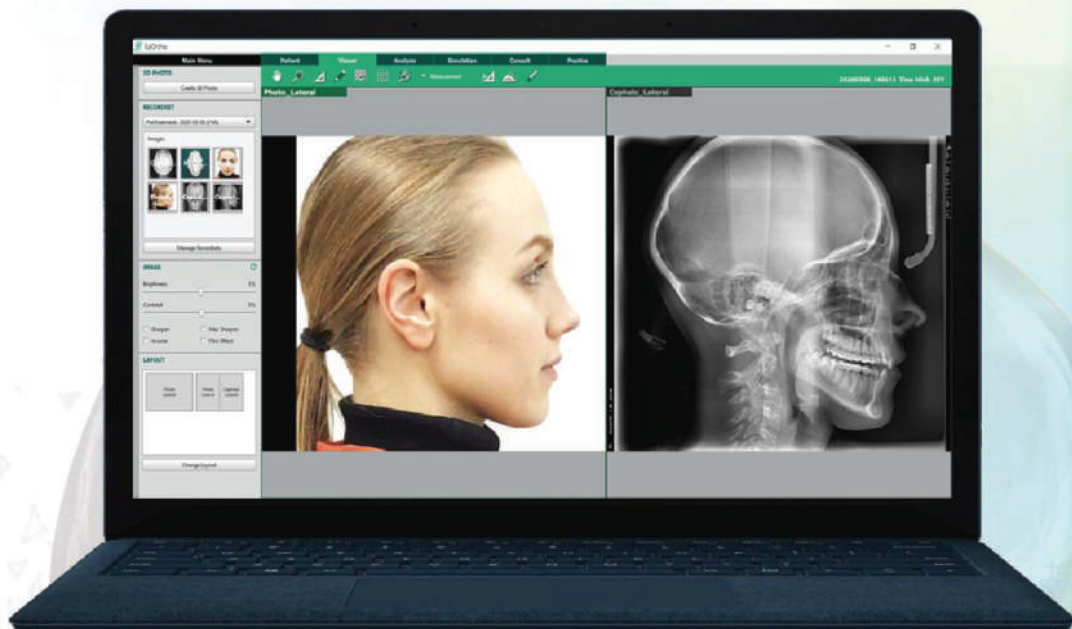
Manage Your Images, The Easy Way

Organize and export your images quickly and efficiently and avoid complicated procedures and training using EZDent-i's intuitive Click-And-Drag based interface.



EzOrtho™

A.I Powered All-In-One
Essential tool for your digital
orthodontic practices



Simple **Accurate** **Auto Tracing** **Orthodontics** **Easy**
3D Photo **Precise** **Intuitive** **Reliable** **Analysis**
Treatment Planning **Differentiation** **Consultation**

Workflow-Oriented Tabs

EzOrtho™ organizes features relative to the entire workflow from patient image registration to diagnosis, simulation, and patient consultation which enhances ease of use.



Auto-Tracing (A.I.-aided feature)

DAVIS™ which is VATECH's Ai-aided feature will automatically find all the landmarks required from 15 unique analysis methods selection to choose from.



Save your time and see more patients!

- Landmark Location
- Cephalo Tracing
- Measurement



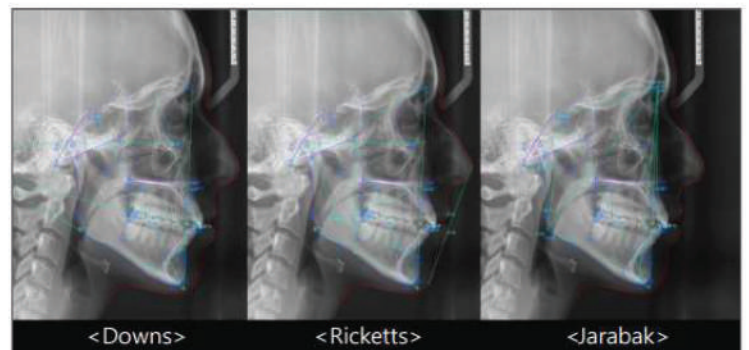
*The image above is a sample of what auto tracing result may look like.

Auto Calculated Analysis Results

When the user selects an analysis method, relevant anatomical guidelines are drawn automatically, and measurements are calculated automatically.

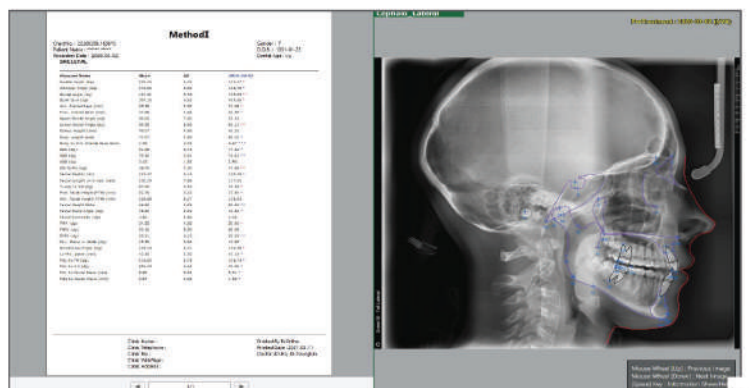
Various Analysis Methods

Downs, Jarabak, McNamara, Ricketts, Steiner, Tweed, Kim, Burstone, AMC I, AMC II, Method I, Method II, Beijing, Wylie, Jefferson



Analysis Chart

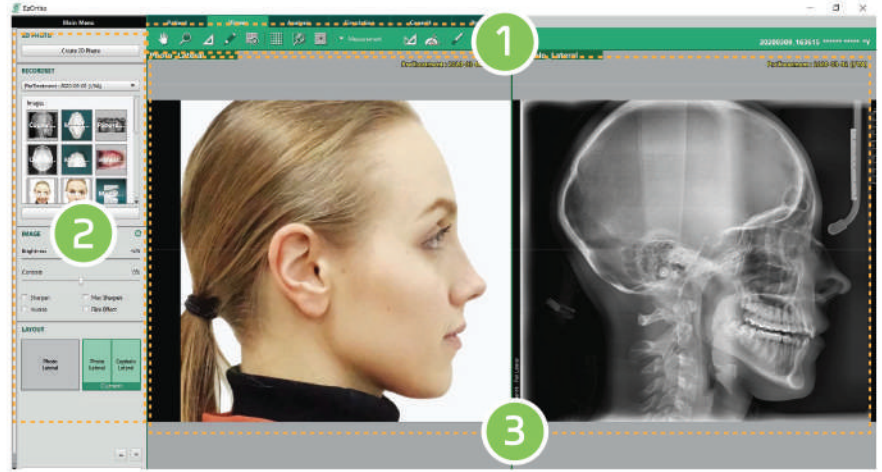
Analysis Results with Analyzed X-ray Image



Similar UI/UX to EzDent-i & Ez3D-i

EzOrtho's UI/UX is similar to that of EzDent-i and Ez3D-i, increasing familiarity and reducing time spent learning a new software.

- 1 Tools for the image reading : panning, zooming, measuring and more.
- 2 Selection of Recordset & layout, windowing and create 3D photo etc.
- 3 Displays the image corresponding to the selected layout.



Simple Model Analysis

Measure just one tooth.

EzOrtho™ automatically calculates the length of the remaining teeth and instantly provides the results of the four model analyses.

1

2

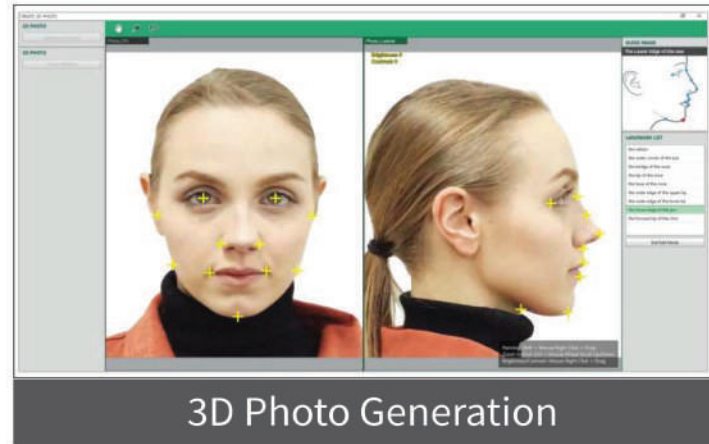
3

1. Measure Mesial and Distal points of a tooth for calibration
2. Enter the physically measured length
3. EzOrtho automatically calculates the length by dots on Mesial and Distal of the remaining teeth and provides the model analysis results.

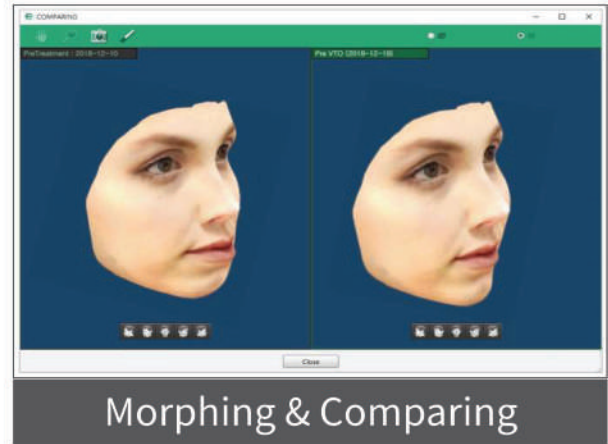
*Arch length discrepancy is a key deciding factor of tooth extraction

3D Photo Simulation

Morphing & Comparing the facial features can be a useful patient consultation tool for all patients and it can be created at any point during the orthodontic treatment.



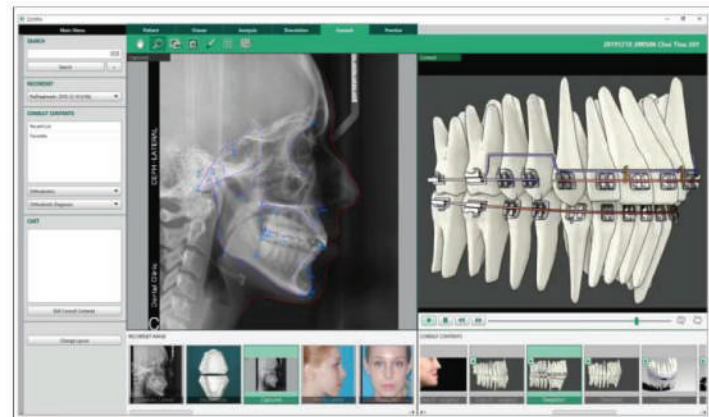
3D Photo Generation



Morphing & Comparing

Consult Premium

Supplementing verbal communication with animations helps the patient better understand the treatment process, resulting in a more effective consultation.

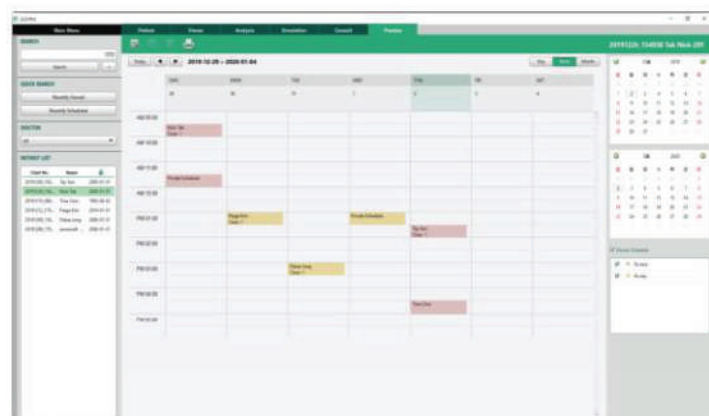


- 1 Make the most out of a consultation session
- 2 244 animations of various dental treatments
- 3 Add user-created consultation contents

* With 244 animated videos explaining clinical treatments for various diagnostic fields, including 22 videos for orthodontic treatment.

Appointment Management

Manage in-clinic reservation status by day, week and month



- 1 Appointment Schedule
 - Manage schedule for each dentist
- 2 Work Scheduling for Clinic
 - Register and manage Clinic's schedule such as purchasing date of consumable items
- 3 Private Scheduling for Clinicians
 - Register and manage private schedule for a clinician in case of a dentist see patients in multiple clinics



EzRay Air™ Portable

WEIGHT INNOVATION

WORLD'S FIRST CNT PORTABLE X-RAY

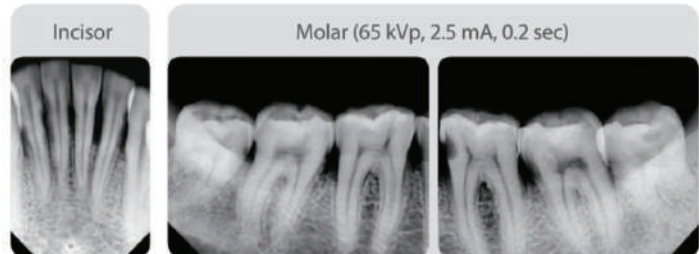
FASTER WORKFLOW



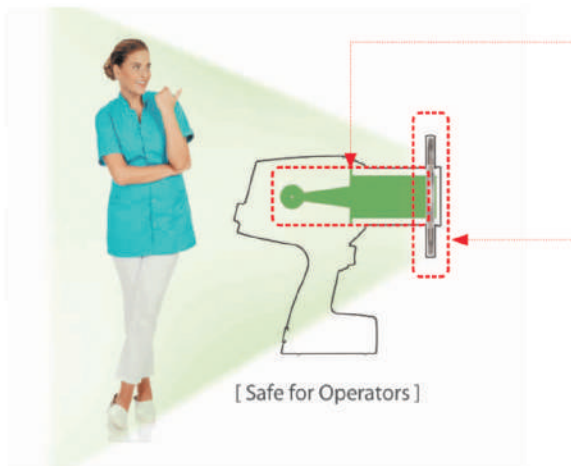
WEIGHT INNOVATION WITH CNT (CARBON NANO TECHNOLOGY)

The world's first dental application of Carbon Nano Technology.

The EzRay Air Portable is a lightweight portable X-ray device designed for easy handling and stable positioning for optimal image quality on your intra-oral X-rays.



DOUBLE SCATTER SHIELD DESIGN FOR OPERATOR SAFETY



INTERNAL SHIELDING

The internal radiation shielding is perfectly designed to protect the operator from radiation leakage.

EXTERNAL BACKSCATTER SHIELDING

Exposure to radiation results from the beam interacting with the surface of the patient, causing radiation to bounce off as radiation scatters in different directions. The backscatter shield significantly reduces the amount of radiation being reflected.

LOWER COOLDOWN TIMES, FASTER WORKFLOW

Due to unique efficiencies in carbon-nano technology which aren't available in traditional X-ray generation methods, the EzRay Air Portable has almost a 75% reduction in cooldown time between shots when compared to leading competitive devices.

This allows users to spend less time waiting for their X-ray to be ready and more time in treatment, diagnosis and patient.



NO WARMUP TIME

With no initial start up delay for conventional X-ray sources to warm up, the EzRay Air Portable's Carbon Nano Technology allows for quicker exposure after you initially turn on the device, allowing for optimal workflow.

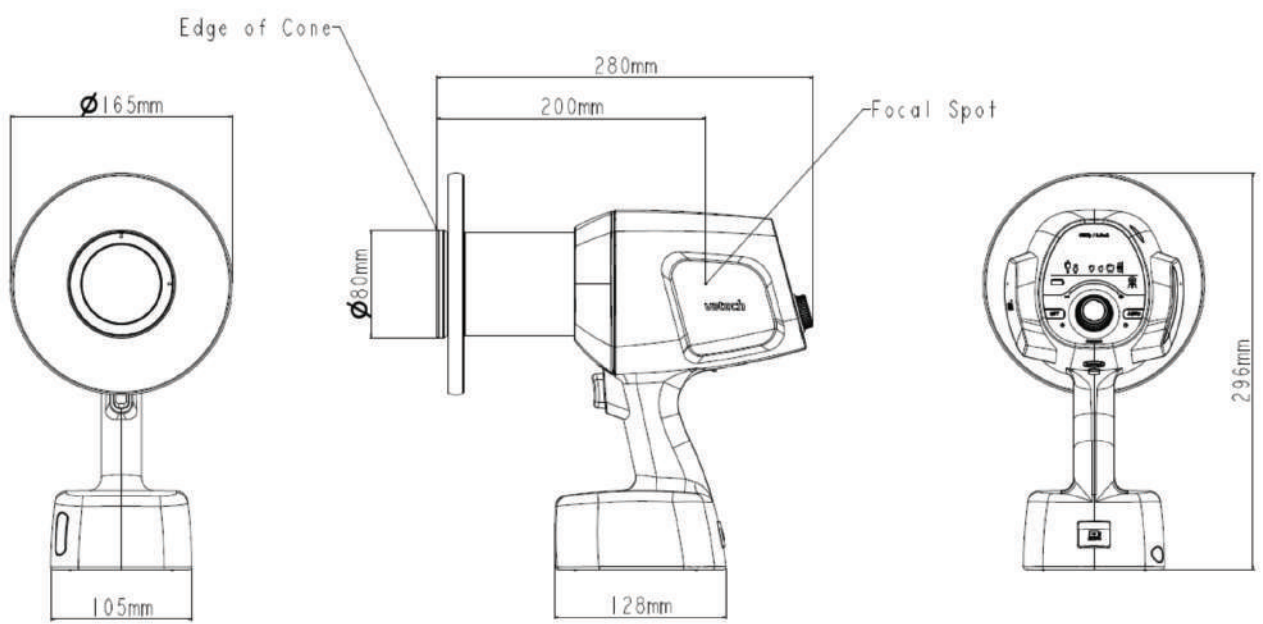


SPECIFICATIONS [EzRay Air Portable: VEX-P300]

Focal Spot	0.4 mm (IEC 60336)
Tube Voltage (kV)	65 kV
Tube Current (mA)	2.5 mA
Exposure Time Range	0.05 ~ 1.0 sec
Total Filtration	Min. 1.5 mm Al
Source to Skin Distance	200 mm
X-ray Field	Default: 60 mm Round, 30 x 40 mm Rectangular / Optional: 20 x 30 mm Rectangular
Maximum duty cycle	1 : 60
Power Input	21.6V
Weight	3.75 lbs.

* The specifications are subject to change without prior notice.

DIMENSIONS [Unit: mm]





Premium Intra-oral X-ray

Designed for your convenience

- Streamline design for easy one-hand grip
- 4.7kg head for stable positioning
- Only 2 clicks needed for capturing
- Detachable control panel



Detachable control panel
Hazard free, Rounded edges

Easy one-hand grip



Product highlights

Safe & Clear Image



EzRay Premium provides diagnostic values with advanced technology.

A focal spot of 0.4 mm create sharpen images perfectly matched to whatever digital intra-oral sensor, PSP or film product you use.

User friendly

► Easy to use

Intuitive icons on LED screen Detachable panel

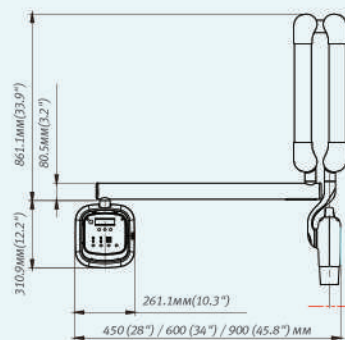
► Optimized automatic settings

EzRay Premium has a pre-programmed setting for each tooth. With one click of a button, it automatically optimizes image capturing such as capture area and patient condition for each case.

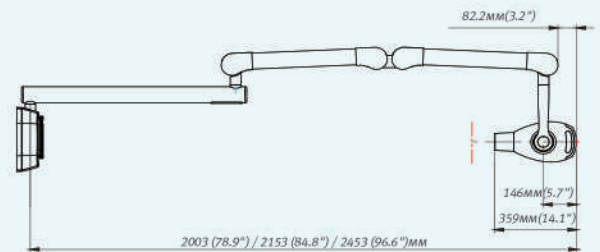


Dimensions

Retracted Wall Mount



Extended Position Wall Mount

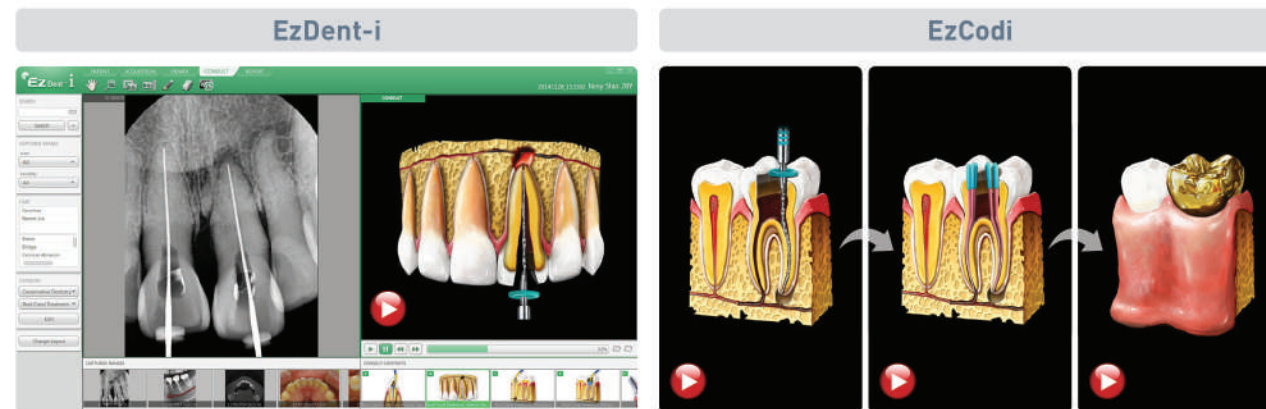


Specification (VEX-S100W)

Focal Spot	0.4mm
Tube Voltage	Selectable 50 ~ 70kVp
Current	4 ~ 7 mA
Exposure Time	Selectable 0.04 ~ 2.0 sec
Arm Length (Option)	450, 600, 900 mm
Line Voltage	100 ~ 230V ± 10%
Accessories	Exposure hand switch
Cone	Round 20cm [8"] Option: Round 30cm [12"], Rectangular 20cm / 30cm [8" / 12"]

* The specifications are subject to change without prior notice.

Diagnose and Consult Quickly and Easily EzDent-i(2D Viewer) + EzCodi(Consultation)

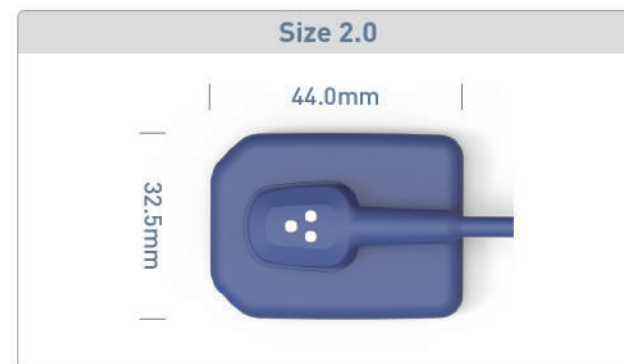
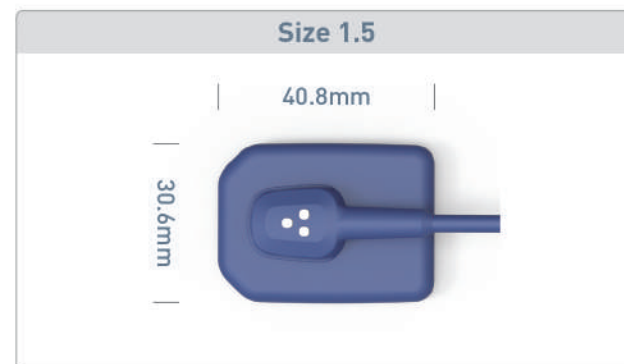


Easy Diagnostic Software

Diagnose quickly and easily utilizing the powerful tools within EzDent-i.

Powerful Communication Tool (Optional)

Help your patient understand your treatment plan better by utilizing EzCodi. With 244 animated clinical cases, EzCodi is a powerful tool which can help doctors increase case acceptance.

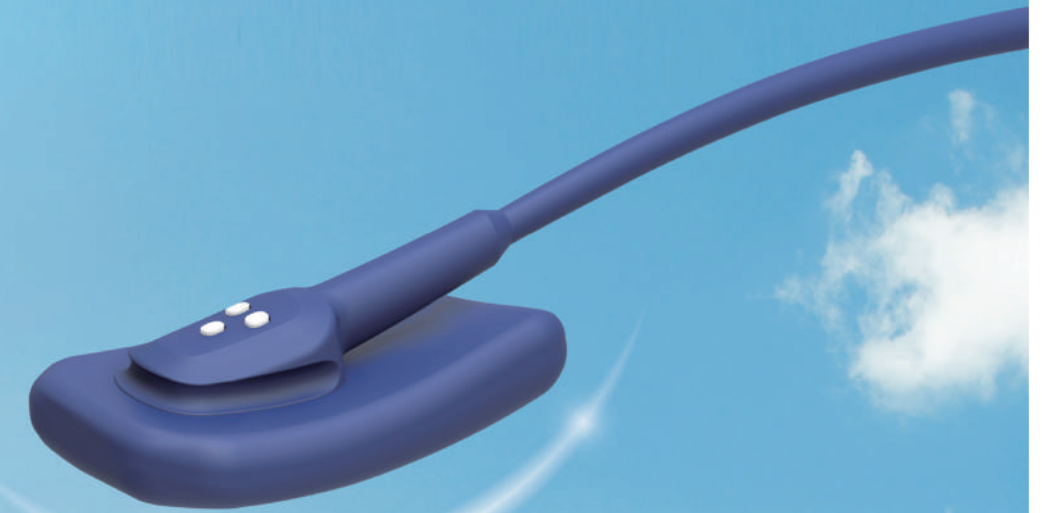


Specifications (Model Name: EzSensor Soft, EzSensor Soft i)

Detector	CMOS	Dimensions (WxLxT)	40.8 x 30.6 x 7.9 mm [1.5] 44.0 x 32.5 x 7.9 mm [2.0]
Pixel Size	14.8 μm	Active Area (WxL)	33.00 x 23.98 mm [1.5] 35.99 x 25.99 mm [2.0]
Theoretical Resolution	33.78 lp/mm	Exterior Material	Silicone (Bio-compatibility)
Dynamic Range	12 bit	Total Cable Length	Under 3m

* The specifications are subject to change without prior notice.

vatech



Shaped for comfort!
| Pain Relief | Easy Positioning | Drop Resistant |

Vatech is continuously pursuing to produce "World's First Products".
As a dental pioneer, we will continue to develop advanced products to improve diagnosis accuracy, usage convenience, faster workflow, and patient comfort.

"Quick & Easy Positioning!"

"How Comfortable!"



Pain Relief & Easy Positioning

With reduced pain for the patient, the staff will be able to accurately position the Intra-oral sensor on the region of interest for diagnosis.

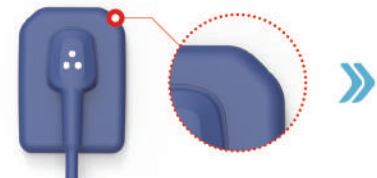
Patients "How Comfortable!"

Taking images with rigid edge sensors can be a painful experience, as the patient's pain is sometimes caused by the high pressure when placing the sensor. **EzSensor Soft is different.** This soft sensor can reduce patient discomfort thanks to its patient-oriented design.

Soft and elastic touch

Ergonomically rounded and cut edge

Suitable for small arches



Every Doctor has sensitive patients. Like...

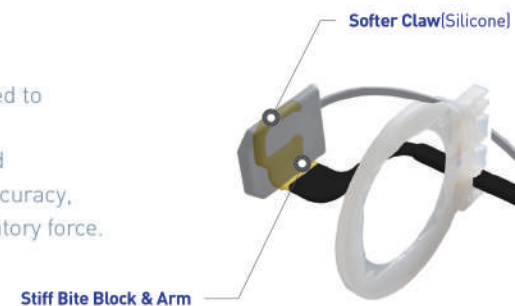
In particular, patients go through severe pain and gagging due to their irritated tori, doctor should give more attention when positioning. The EzSensor Soft is one that can help appease the pain and situation.

As it clings to the patient's rounded arch softly, the ergonomically curved shape prevents the sensor from slipping in the mouth. This not only helps the patient feel less pain, but also minimizes the patient's movement. With the EzSensor Soft, doctors can achieve superior image quality by reducing image retakes.



More Comfort, better care

Furthermore, our 'EzSoft' cone indicator is designed to maximize patient comfort and sensor positioning. The softer claw lets you finely adjust the tension and the stiff bite block & arm ensures the positioning accuracy, sustaining its original angle(90°) against the masticatory force.



"The world's smallest pixel size 14.8 μm"

"Drop Resistant"



The Smallest Pixel & Drop Resistant

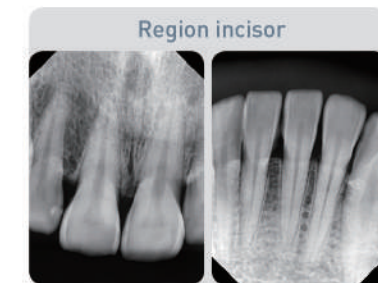
It consistently provides higher resolution and clearer images for accurate diagnosis and treatment planning.

Doctors "It's the world's smallest pixel size!"

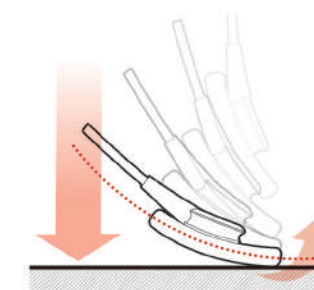
With the market entrenched with conventional digital sensors, the industry hasn't seen truly innovative technology in years.

VATECH's EzSensor Soft is different with 14.8 μm!

Accurate diagnostic images will be captured with the world's smallest pixel size. At 14.8 μm, the EzSensor Soft has a theoretical resolution of 33.78lp/mm.



Durable Sensor Materials



Usually, when a sensor is accidentally dropped or stepped on, it succumbs to damages.

The EzSensor Soft's soft exterior can help prevent that!

The rubberlike exterior can withstand external impact if the sensor is dropped thus reducing the risk of damage.



A New
Dimension Beyond
Your Expectations
vatech A9TM

vatech

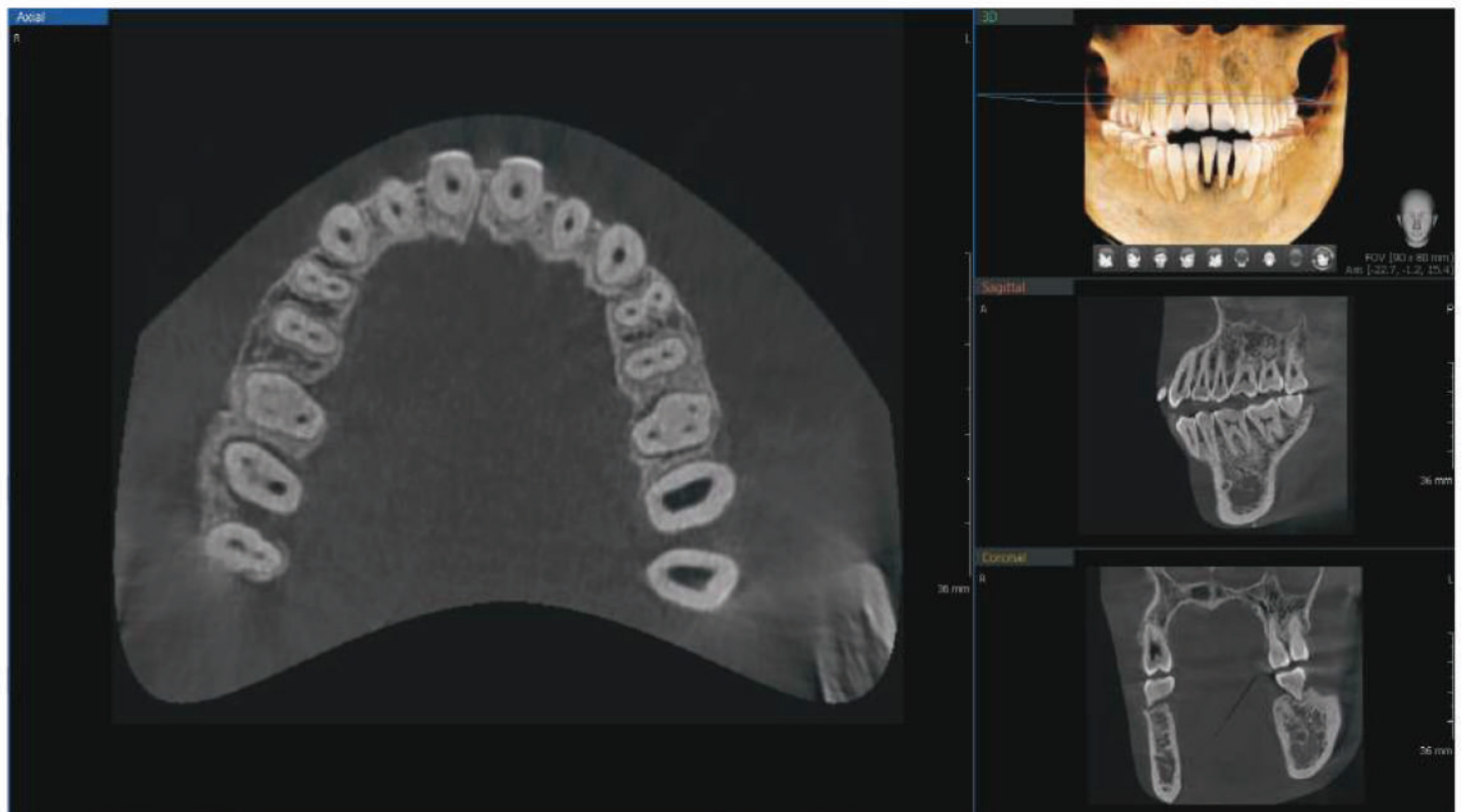
THE ADVANCED IMAGING SOLUTION FOR ACCURATE DENTAL DIAGNOSIS

The Vatech A9 provides the most precise and high quality panoramic images by combining image processing and accumulated experience in dental imaging from Vatech. This will increase your diagnostic accuracy for improved treatment planning and patient satisfaction.



INTEGRAL FOV FOR 3D IMAGE

8X8 images enable fundamental diagnoses and treatment planning, including both the maxillary and mandibular areas, in a single scan. It is useful for complex implant surgeries and left/right TMJ diagnoses.



3D Imaging System
vatech A9



GREAT CLINICAL CARE WITH RAPID CEPH TECHNOLOGY



MINIMIZE MOTION ARTIFACTS WITH RAPID CEPH TECHNOLOGY

The next step in cephalometric technology, Vatech's new Rapid Ceph minimizes motion artifacts and enables faster diagnostic workflow while providing the highest quality digital images.

*Stool is sold separately

3D Imaging System

vatech A9

PRODUCT CONFIGURATION

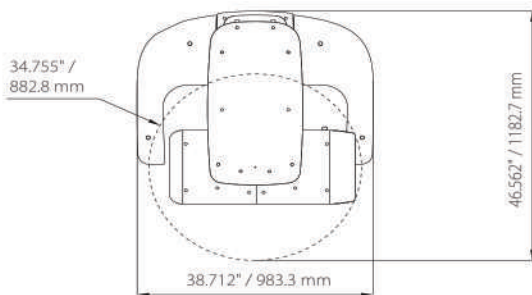
	CBCT	PANO	CEPH
Vatech A9	•	•	-
Vatech A9 RC	•	•	•

SPECIFICATIONS (vatech A9: PHT-30CSS)

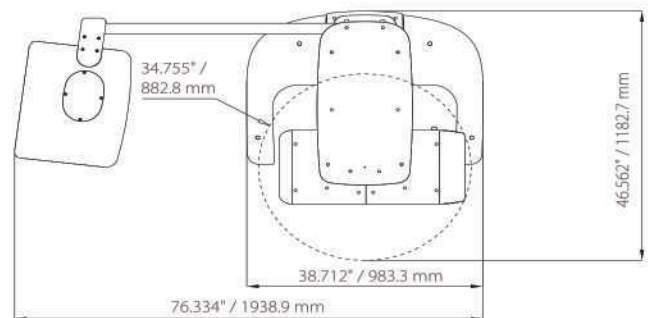
Function		CT + Pano + Ceph
Focal Spot		0.5 mm (IEC 60336)
CT FOV Size		8x8 cm (Anatomical 9.3x8 cm)
Voxel Size		0.2 mm / 0.3 mm
Scan Time	CT	18 sec
	Pano	11.9 sec / 14.1 sec
Gray Scale		14 bit
Tube Voltage		60 ~ 99 kV
Current		4 ~ 10 mA
Weight	Without ceph unit	108.3 kg / 238.76 lbs. (Without Base)
		160.5 kg / 353.84 lbs. (With Base)
	With ceph unit	134.3 kg / 296.08 lbs. (Without Base)
		186.5 kg / 411.16 lbs. (With Base)

DIMENSIONS (Unit: inch/mm)

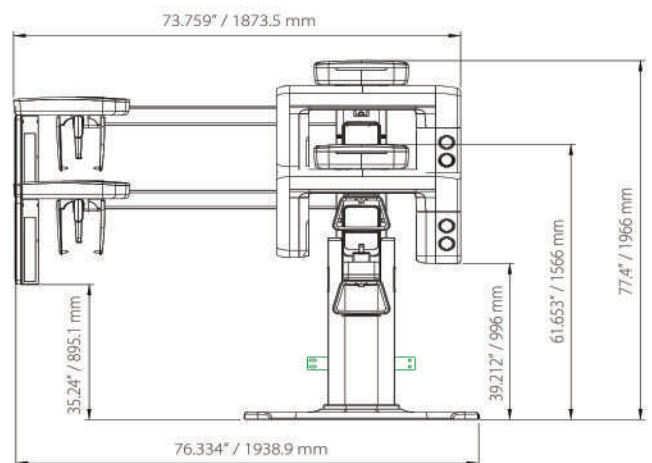
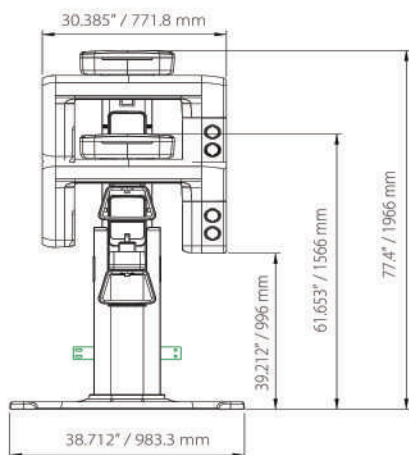
*The specifications are subject to change without prior notice.



Top View



Front View



VSP

VATECH VSP SALES GUIDE



vatech

VSP

Vatech VSP Overview

Vatech VSP is a user-friendly scanner, it's small and light so it can be set up in small-sized dental clinic efficiently.

Vatech VSP has a 4-inch LCD touch screen as a high-end device. It provides to show the largest preview image.

Ethernet cable enables rapid image transfer from scanner to PC. We developed Vatech VSP as a simple, fast, and easy diagnosis of patients on chairside.



Image preview on a 4-inch touch screen



High durability minimizes after-sales service occurrences



Support multi-user practices



Easy to install and use (Network set up automatically)

VSP

3.3 kg

small and light

Yes

Multi-user practices

0/1/2/3

Supported IP size

4-inch

LCD touch screen

20 lp/mm

Resolution (SR/HR)

233x141x191

Dimension (HxWxD mm)



VSP

vatech

VSP

One of the smallest PSP

The weight is only 3.3 kg and with dimension of 233x141x191.5 mm, Vatech VSP is one of the smallest and lightest PSP Scanners.

Vatech VSP can be easily moved and installed in every practice without constraints.



3.3 kg
small and light



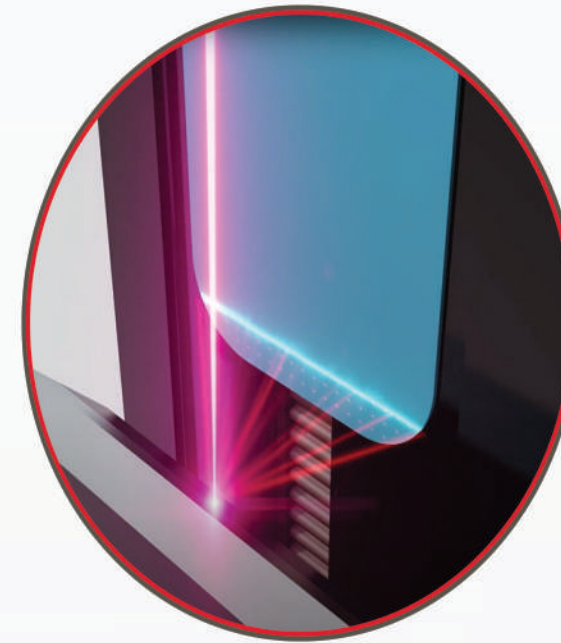
vatech

VSP

PERFECT IMAGES

Quick and accurate scanning system will bring satisfaction to both doctors and patients.

You will achieve perfect images for patient diagnosis. In any case VSP output image quality will be in SR or HR (20lp/mm in Super Resolution / 10lp/mm in High Resolution mode) so you can use it without worrying about the settings.



20 lp/mm
Resolution (SR/HR)



vatech

VSP

4-inch preview touch screen

Vatech VSP has a 4-inch LCD touch screen as a high-end device. This allows the largest preview of the scanned image.

Using the latest technologies brings satisfaction for both doctors and patients.



4-inch
LCD touch screen



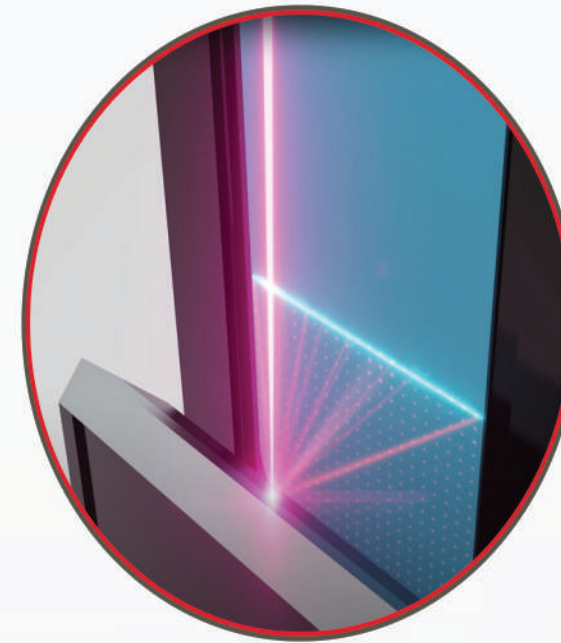
vatech

Multi pixel photon counter

The world's first PSP Scanner was created using MPPC.

MPPC is short for Multi pixel photon counters. What sets MPPC apart from the existing PMT is immunity to magnetic fields, high resistance to mechanical shock.

Also, the MPPC is lower than 10 times voltage operation, and more than that 10 times high gain can be obtained when compared to PMT (Photo Multiplier Tube). And it is a small size.

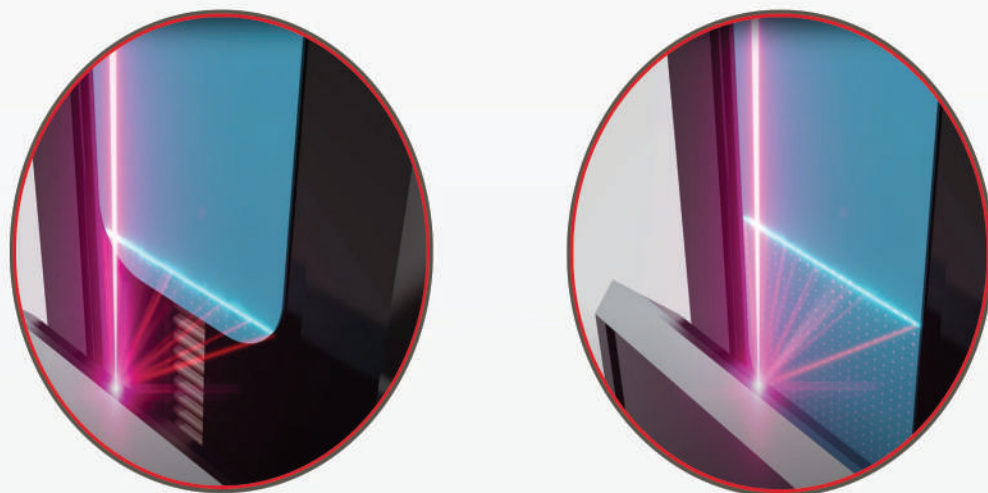


MPPC
The world's first



PMT vs. MPPC

As shown in the table, MPPCs can be driven at a low voltage, are small in size, and are inexpensive without being affected by surrounding magnetic fields, so they have many advantages from the standpoint of manufacturing.



PMT vs MPPC

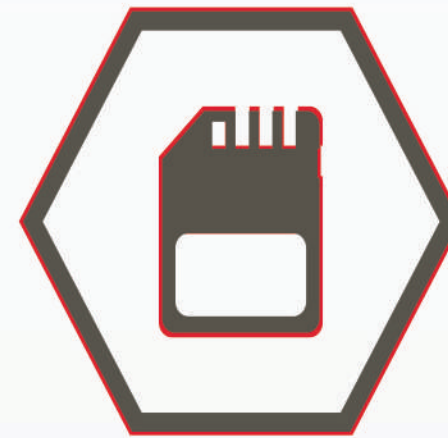
Shape	Tube	Semiconductor
Gain	~10 ⁶ ★	~10 ⁶ ★
Photon Detection Eff.	~30%	~40% ★
Response	Fast ★	Fast ★
Photon Counting	Yes	Great ★
Magnetic Field	Sensitive	Insensitive ★
Robustness	Weak	Strong ★
Bias Voltage	~1,500V	~60V ★
Size	Not small	Small ★
Cost	Expensive	Economical ★

VSP

Store up to 500 HR images

The Vatech VSP has a built in memory, so you can store up to 500 scan images without PC connection.

It is possible to verify that imaging is done normally through the LCD preview screen even when scanning without PC. Scan images are stored normally on the equipment, so dental clinics can reduce the list of image loss.



500
images
can be stored in VSP



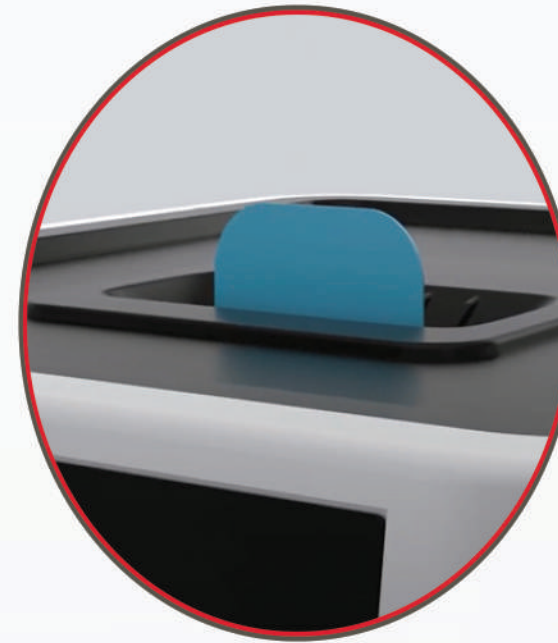
vatech

VSP

Flexible imaging plate

Flexible imaging plates come in 4 different sizes. Cableless, thin and soft imaging plates optimally stick to various oral shapes to provide high quality images while maintaining maximum comfort for the patient.

Image plates are highly durable and reduce the risk of damage. At the same time Ultra-thin imaging plates can be reused over and over while keeping great image quality. Everything put together makes the product highly economical.

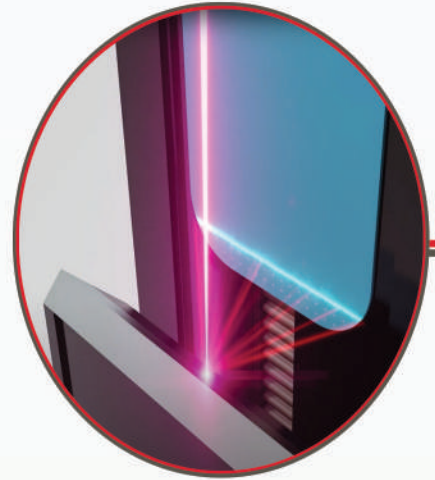


0/1/2/3
Supported IP size

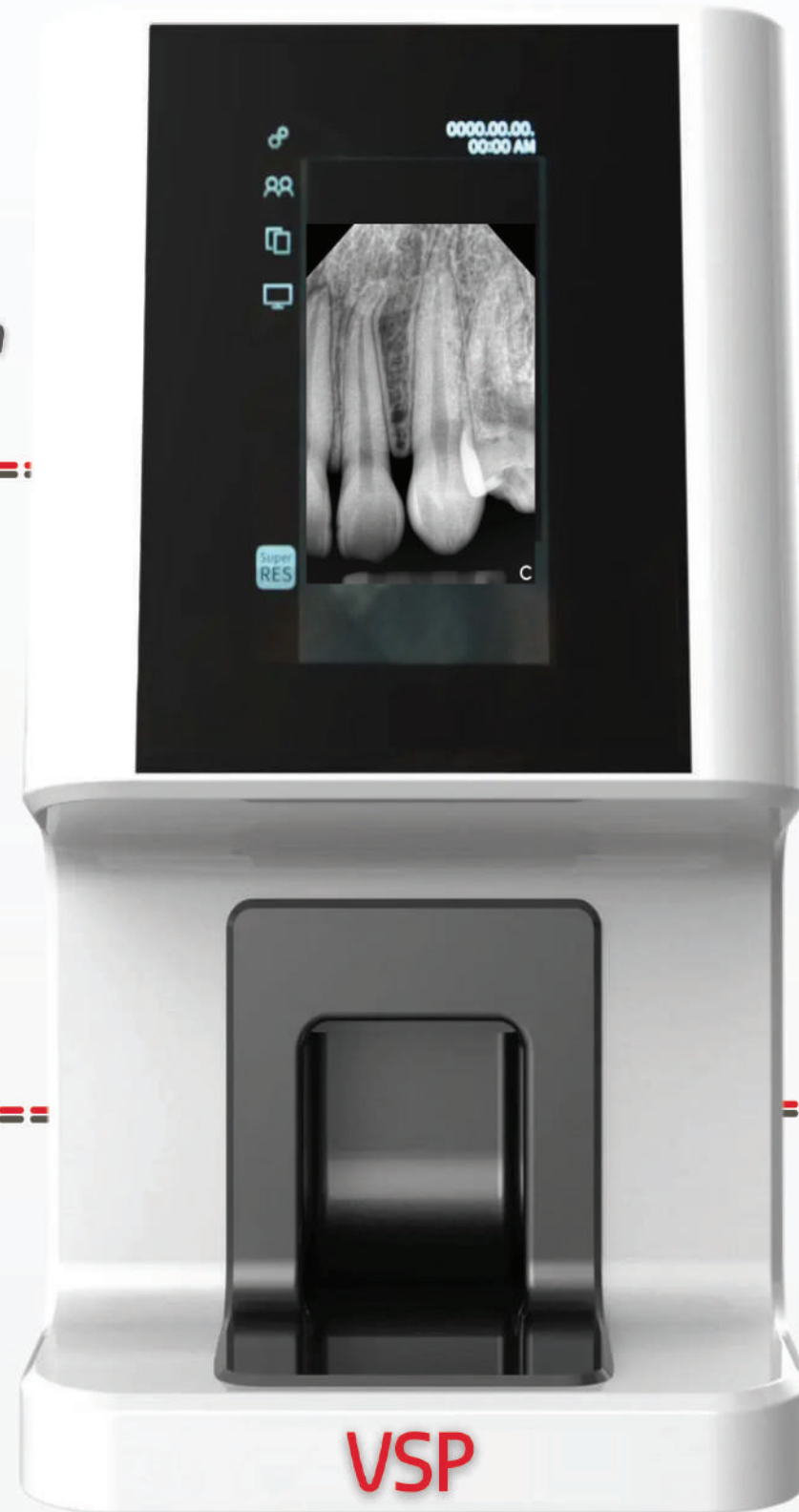


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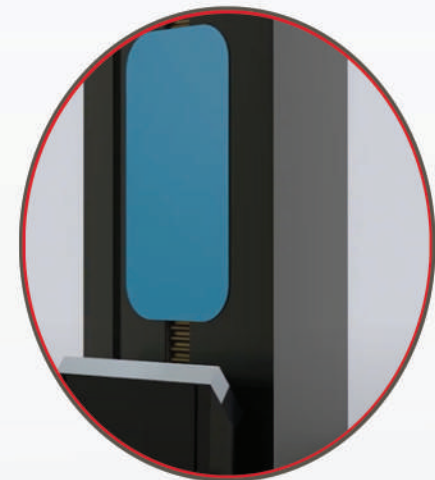
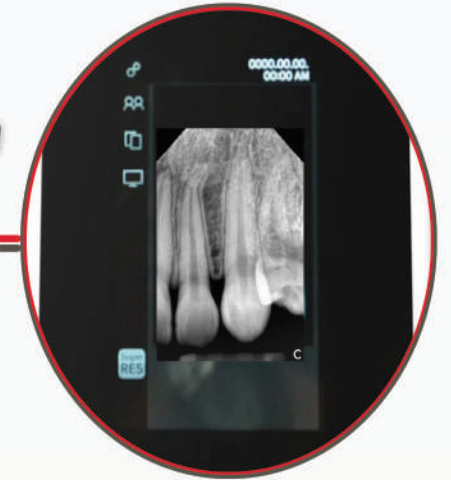
VSP



MPPC sensor for high image quality

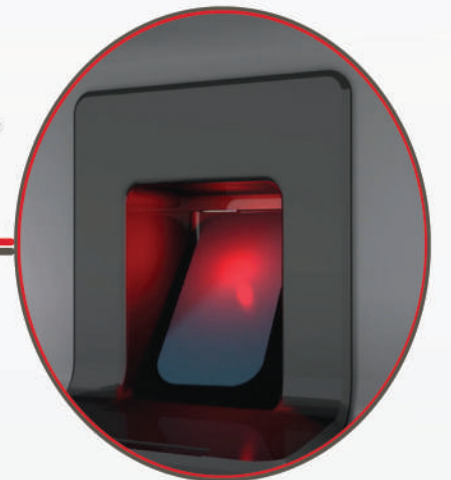


4 inch touch screen



Magnet rail system for anti vibration

Internal IP eraser



vatech

VSP

Vatech VSP Overview

Vatech VSP is a small, light and user-friendly scanner, with a 4-inch LCD touch screen. Vatech VSP provides a simple, fast, and easy way to make diagnoses for the patients on chairside.



One of the smallest PSP



Image preview on a 4-inch touch screen



High durability minimizes after-sales service occurrences



Images are saved on a built-in memory card - up to 500 images



Images can be sent to a designated pc on the network list



Support multi-user practices



Easy to install and use (Network set up automatically)



Support sleep mode for power saving

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