



MEDICATECH VET®
A Medicatech Company



COMPANY PROFILE

**A Leading Company Dedicated to Imaging
Excellence**

Growing Strong Since 2005

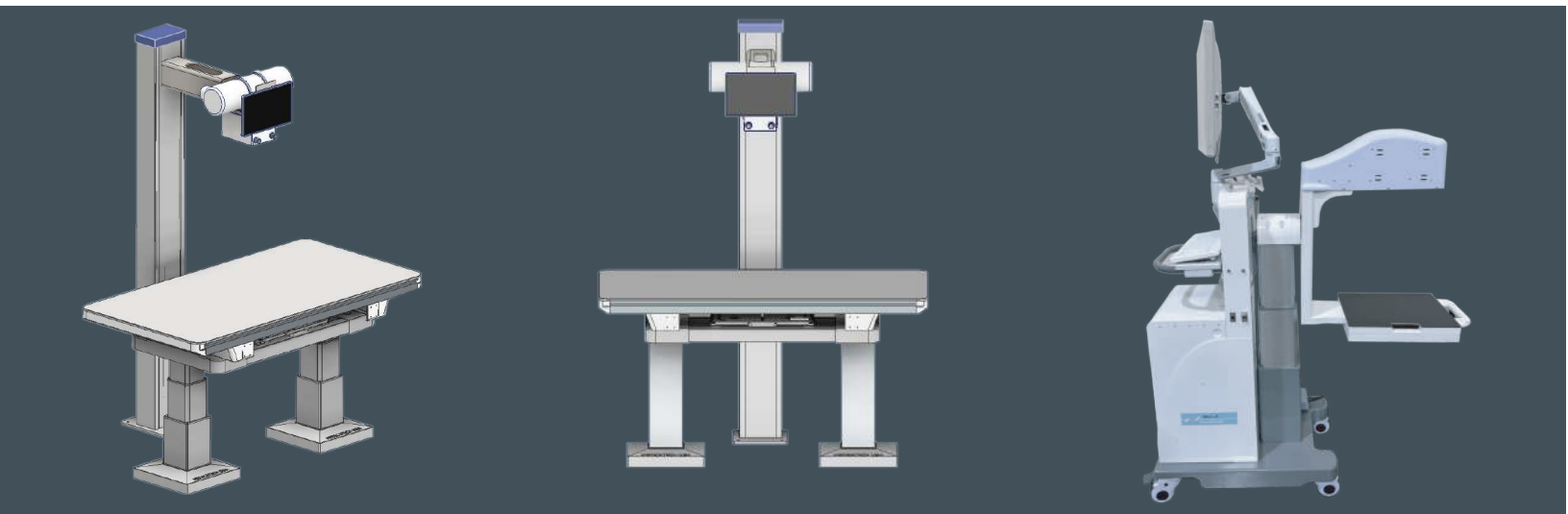


WHO WE ARE

Medicatech USA® is a leading provider of advanced digital radiography solutions, specializing in the design, engineering, and manufacturing of high-performance radiographic systems, acquisition platforms, and PACS (Picture Archiving and Communication Systems) software.

Every product at Medicatech is fully designed, engineered, and manufactured by our global team. This complete control over every stage of development guarantees exceptional quality, continuous innovation, and reliable performance. Our commitment extends beyond technology, delivering outstanding customer support tailored to the unique needs of our clients.

Headquartered in Irvine, California, Medicatech has been driving innovation in digital imaging since 2005, continuously setting new standards for performance, reliability, and service.



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WHY US

- **American-Made Excellence:** All of our systems are designed, engineered, and manufactured by us, ensuring the highest standards of quality, durability, and performance.
- **Innovation at Its Core:** With a team of over 30 dedicated engineers, we can deliver the latest advancements in digital imaging for faster, clearer, and more accurate diagnostics.
- **Uncompromising Quality:** We compete with top-tier equipment manufacturers by offering high-definition imaging at competitive prices.
- **Rapid Growth and Trust:** The fastest-growing digital radiography provider in the U.S., trusted by healthcare professionals nationwide.
- **Tailored Solutions:** Over 20 years of experience customizing systems to meet the specific needs of our clients.



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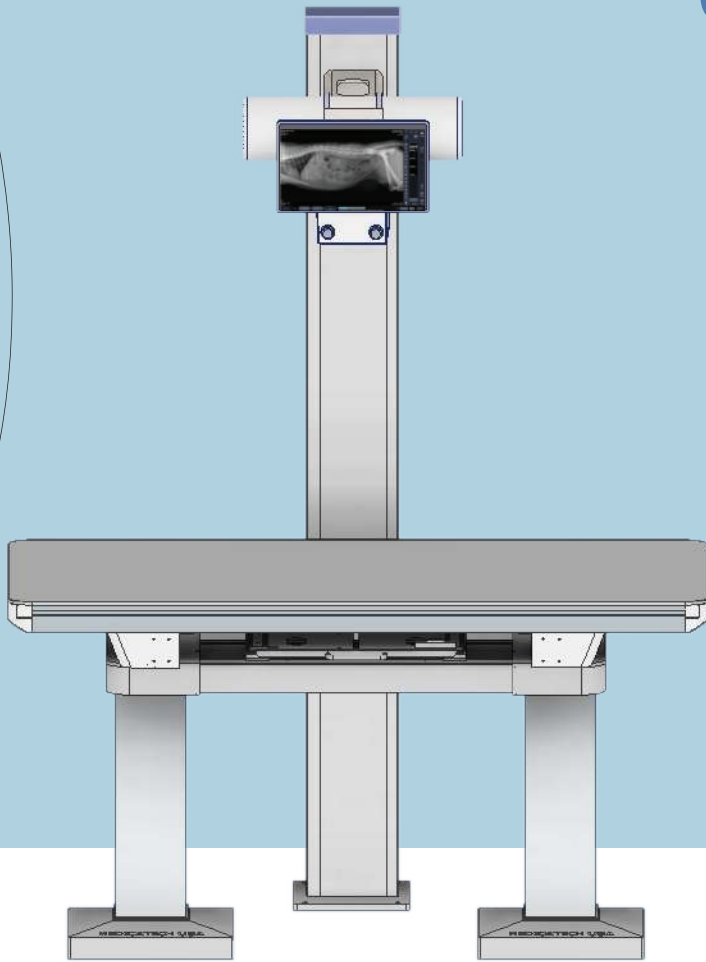
Product Range:

- **Veterinary X-Ray Room**
 - CRV 1700
 - CRV 2000
- **Veterinary X-Ray Sensor**
- **Veterinary Fluoroscopy X-Ray Room**
- **Voyance DR Acquisition Platform**
- **DR Panels**
- **PACS & Cloud PACS**
- **AI Veterinary Tools**



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ClearRay™ 1700



- Durable, high-quality construction – Tube column fits low ceilings
- Electromagnetic braking system – Smooth, secure table movement
- Open table platform – Easy access and simple cleaning
- Large 4-way float top table – 31" x 60", 500 lb capacity, wide lateral range
- One-touch foot control – Effortless patient positioning



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Specification Table



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Floating Table / Fixed Column
4-way floating table top with Floating range of +/- 11"
Table Top Dimensions 31"D x 60"L w/ Fixed 30" Height
Max Weight 500 lbs
Overall dimensions 60Lx31Wx29H
Column Height 84"
Wide foot pedal for the Electromagnetic brake system
Standard exposure Foot Switch

Generator

Generator Type	High Frequency Output Maximum 480 KHz
IEC Power Rating	32 KW @ 100 KV for 100ms
KVp Range	40-125 KV
mA Range	10-400 mA
mAs Range (Non-AEC)	0.1-100 mAs
Rotor Supply	Slow speed starter
Input Phase/ Voltage	1Ø/215 VAC ±13%
Maximum Input current	Power derating required below 200 VAC
High Voltage Ripple	20 A
Compatible X-ray Tubes	<1 KV @ 100 KV
Auto-tube Calibration	>300 tube models
Exposure Timer Range	Standard feature
Exposure Timer Range	1 ms - 6.3 s 10 s, 20 s, 30s Options available
Anatomical Programs	Membrane/Touchscreen console 1024/20,000+ techniques
Supported Console Language	English, French, German, Italian, Spanish, Swedish, Cyrillic (additional available upon request)
Image Receptors	Supports up to 5 Receptors
Technique selection	KV/AEC, KV/mAs, KV/mA/ms or KV/cm thickness (Standard console only)
Tomography Mode	Standard Feature
Auxiliary Collimator Power supply	Standard Feature
GenWare™ Service software	PC-based diagnostics & technical support

Specification

X-RAY TUBE



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Mechanical

Dimensions	See dimensional outline
Overall Length	479 mm
Maximum Diameter	152.4 mm
Tube Housing Model Number	E7239FX - XH-121

Maximum X-ray Tube Voltage

Radiographic	125 kV
Between Anode (or Cathode) and Ground	62.5 kV
Minimum X-ray Tube Voltage	40 kV
Large Focus	570 mA
Small Focus	340 mA

Maximum Filament Current

Large Focus	5.1 A
Small Focus	5.1 A

Filament Voltage

Large Focus (At maximum filament current 5.1 A)	7.7 ~ 10.4 V
Small Focus (At maximum filament current 5.1 A)	5.8 ~ 7.8 V
Filament Frequency Limits	0 ~ 25 kHz
Continuous Anode Input Power	60 W (85HU/s)

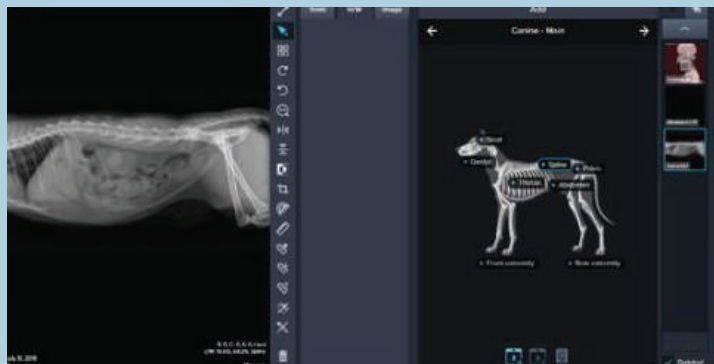
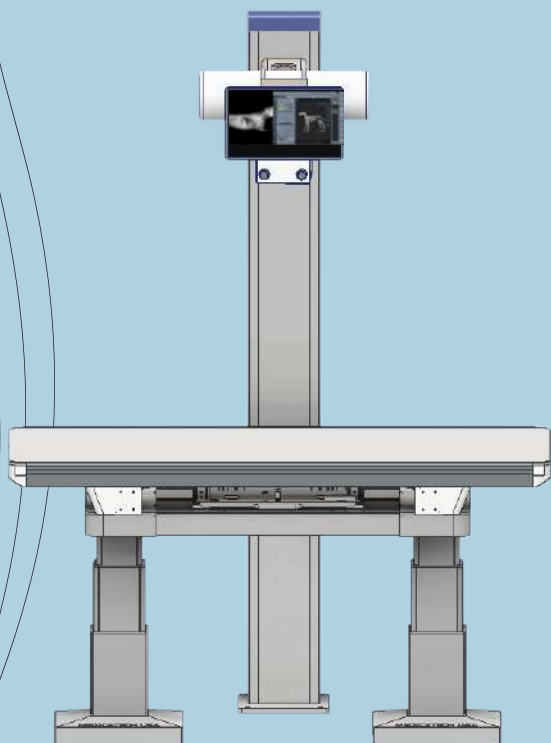
Thermal Characteristics

Anode Heat Content	100 kJ (140 kHU)
Maximum Anode Heat Dissipation	475 W (667HU/s)
X-ray Tube Assembly Heat Content	900 kJ (1250kHU)

Collimator

Collimator-CO-Vet Veterinarian Collimator
Electronic Timer
LSS (low speed starter), Membrane console
Automatic Laser Bucky Centering Light

ClearRay™ 2000



The Clear Ray 2000 is unique in the market for it's unprecedented open floor design making it highly adaptable to any Veterinary environment

Sturdy high quality construction with tube column able to fit low ceilings

Open table platform for convenience and easy cleaning

Large 6 way (31"x60") ELEVATING 4 way float top table with wide lateral range - 600 lb max

Table elevation from 18"-30" from floor

Electromagnetic breaking system on table

OPTIONAL — Manual rotating tube head, locks in 45 degree increments with tube movement of 14-44" from Table Top

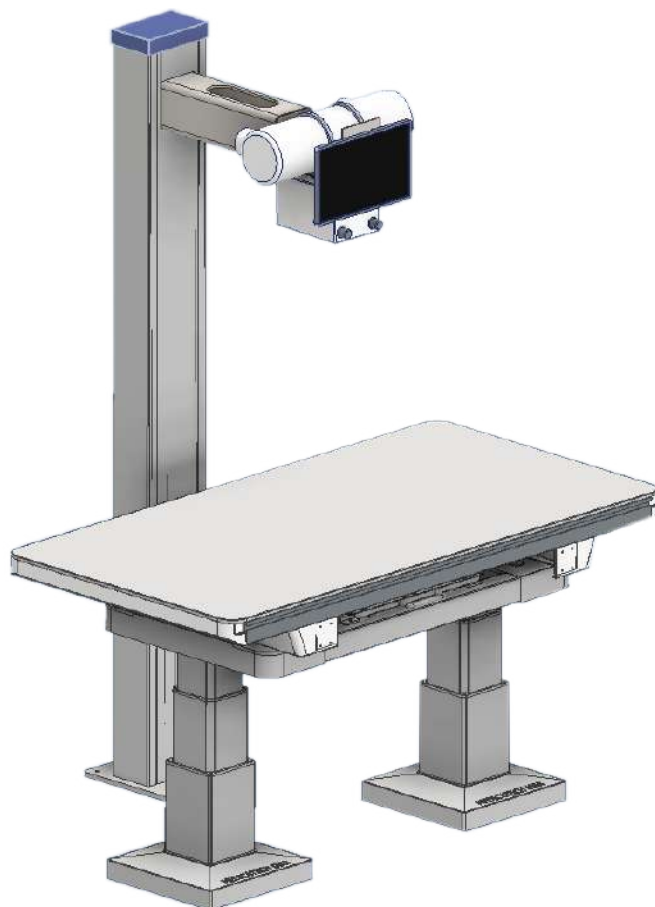
One touch foot control function for easier patient positioning

EXPRIMER 17x17 Tethered Low Dose DR System

Single LAN cable connection - NO POWER supply needed

Voyance® Veterinary Software +VPACS

Voyance® Software allows both DR and Dental Images to be stored in same patient file



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Clear Ray 2000 Specs

Table



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Fixed Column ClearRay Stand for X-ray Tube and Collimator
Elevating table 18" to 31" from the floor
Table Top 31"D x 60"L
Max Weight 600 lbs
Open Base shape table overall dimensions 60"x43.2"x 84.9"
Fixed arm for a collimator and tube-Standard
Column Height 84"
Wide foot pedal for the Electromagnetic brake system - Foot Switch 15/10 A

Generator

Generator Type	High Frequency Output Maximum 480 KHz
IEC Power Rating	32 KW @ 100 KV for 100ms
KVp Range	40-125 KV
mA Range	10-400 mA
mAs Range (Non-AEC)	0.1-100 mAs
Rotor Supply	Slow speed starter
Input Phase/ Voltage	1ø/215 VAC ±13%
Maximum Input current	Power derating required below 200 VAC
High Voltage Ripple	20 A
Compatible X-ray Tubes	<1 KV @ 100 KV
Auto-tube Calibration	>300 tube models
Exposure Timer Range	Standard feature
Exposure Timer Range	1 ms - 6.3 s 10 s, 20 s, 30s Options available
Anatomical Programs	Membrane/Touchscreen console 1024/20,000+ techniques
Supported Console Language	English, French, German, Italian, Spanish, Swedish, Cyrillic (additional available upon request)
Image Receptors	Supports up to 5 Receptors
Technique selection	KV/AEC, KV/mAs, KV/mA/ms or KV/cm thickness (Standard console only)
Tomography Mode	Standard Feature
Auxiliary Collimator Power supply	Standard Feature
GenWare™ Service software	PC-based diagnostics & technical support

Clear Ray 2000 Specs



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X-RAY TUBE

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Collimator

Collimator-CO-Vet Veterinarian Collimator
Electronic Timer
LSS (low speed starter), Membrane console
Automatic Laser Bucky Centering Light

Mini C-Arm Mini-X® Vet



The Mini-X Vet redefines mobility and precision, bringing advanced fluoroscopy within reach.

4× larger imaging area.

Battery-powered operation.

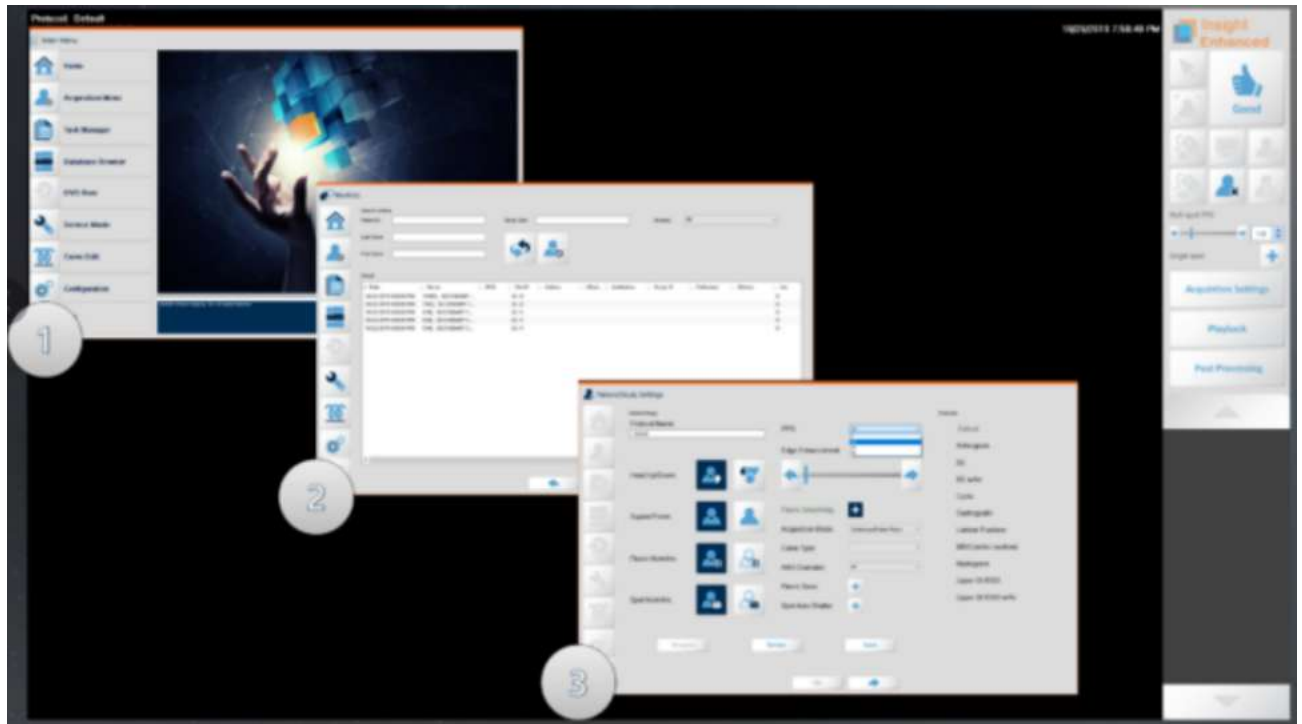
Compact, high-resolution design.



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Mini C-Arm Mini-X® Vet



X-Ray Tube Specifications SB-80-250 MonoBlock

IEC Classification	Class 1
Anode Type	Stationary
Anode Material	Tungsten (W)
Focal Spot (IEC 60336:2005)	0.035 mm
kVp Range	35-80 kVp
uA Range	20-250uA
Supply Required	120VAC/1A
Insulating Medium	Oil
X-ray Tube Inherent Filtration	0.8 mm Al at 75 kV
Nominal Continuous X-ray Tube Assembly Input Power	20 W
Duty Cycle	100%



MAG Mode	Area LxW inches/mm	Pixel Size Microns	Pixel Matrix	Resolution lp/mm	Frame Rates fps	Exam Types
0	11.5x9.2/292x233	304	960 x 768	1.64	30, 25, 15, 7	Motion Studies Shoulder/Knee Arthrograms
1	9.2x9.2/233x233	228	1k x 1k	2.19	30, 25, 15, 7	PIC Lines Shoulder/Knee Arthrograms
2	9.2x9.2/233x233	152	1k x 1k	3.29	15, 7	Hand and Foot Arthrograms/Surgery
3	4.6x4.6/117x117	76	1k x 1k	6.58	30, 25, 15, 7	Hand Surgery

Detector	
Frame Rate	Up to 30 fps Continuous
Sensor	IGZO Array FPD
Conversion Screen	FOCUS CsI:TI
Active Area	11.5" x 9.2" / 291mm x 233mm
Sensor Pixel	3,840 x 3,072 (11.8 M pixels)
Image Data	76, 152, 228, and 304 um at 16 bit

System	
Fluoro Record Time	Up to 30 Minutes
Column Lift Range	90 cm
Gantry Rotation	180 Degrees
Battery Operation Life (Single Charge)	Over 1 Hour Operation / 24 Hours Standby
Display Monitor	22" Medical Grade Touchscreen / Optional 24" Medical Grade Touchscreen
DICOM	Modality Work List Query and DICOM Send
Dimensions	47.25"H x 18.25"W x 37.2"L / 120 cm x 46 cm x 94.5 cm
Weight	165 lb / 75 kg
Battery Type	Lead Acid Battery

MasterDent™ Veterinary Dental Sensor System



MasterDent™ is designed and manufactured to provide the best image quality & long life use. It is our goal to make every vet's life as easy as it gets!



Pixel size: 20 × 20 µm



1300 (H) × 1700 (V) Pixel Format



High Resolution (12 LP/mm)



Dynamic Range (57 dB)



USB 2.0 Interface



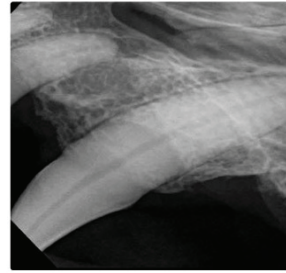
Equipped with Dose Meter



Dust & Water proof — equivalent of IP67

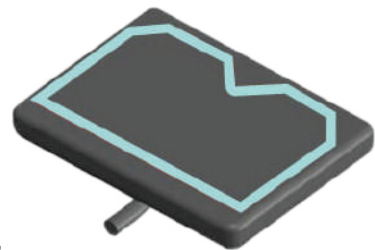


Three sensors can be simultaneously connected to one PC



Monitoring Photodiode

MasterDent is equipped with a Monitoring Photodiode around the entire circumference of its effective pixel area. During X-ray imaging, the Monitoring Photodiode compares the dose rate to a preset threshold. If the dose exceeds this threshold, the image is automatically captured. The threshold value is user-selectable. This technique ensures high image quality.



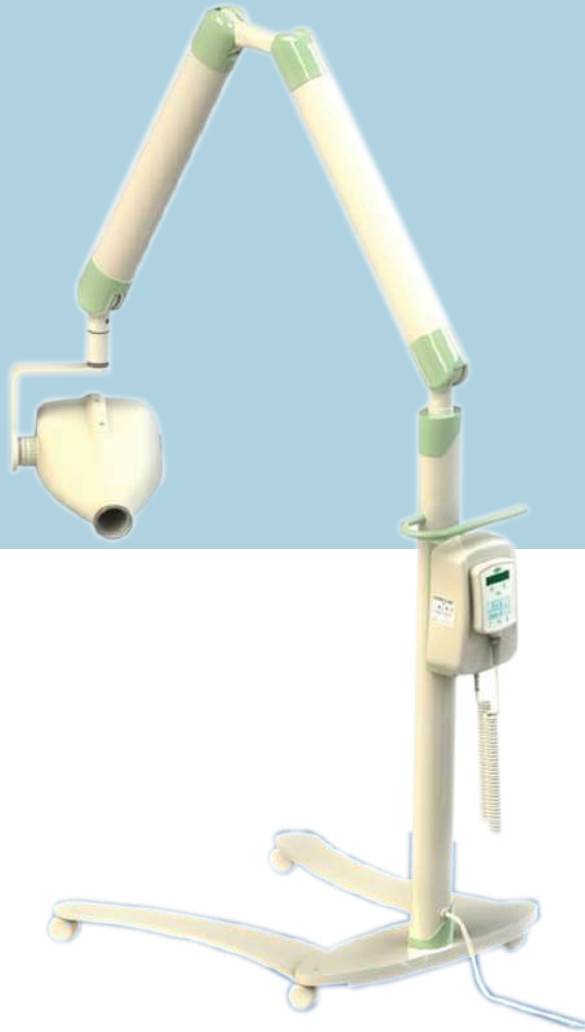
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Dental Generators

Mobil Dental Generator



Bring precision diagnostics to the patient—anytime, anywhere.
Our Mobile Dental Generator combines power, portability, and performance for on-the-go dental care.



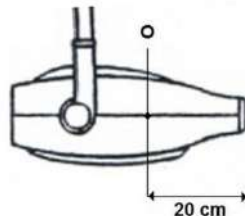
System Technical Specifications :

Nominal voltage	110~240 V \pm 10%
Line frequency	50/60 Hz
Absorbed current	2,1 A @ 240V~ 5,2 A @ 110V~
Absorbed power	500 VA @ 240V ~ 530 VA @ 110V ~
Maximum apparent line resistance	\leq 0.8 Ohm @ 240V ~ \leq 0.4 Ohm @ 110V ~
Fuse of the distribution panel F1	ETF- 6,3 A / 250V UL/CSA
Main fuse (mobile unit) F2	F 6,3 A / 250 V 6,3x32 mm UL/CSA

High voltage values (k V)	60 / 65/ 70 kV selectable
High voltage accuracy (k V)	\pm 10 %
Anodic current (mA)	5 mA
Anodic current accuracy (mA)	\pm 20%
Exposure time (s)	0.01 – 2.0 s according to R10 scale
Exposure time accuracy (s)	\pm 10% +1 ms
Maximum load	70 kV 5 mA 2 S
Operation type	Momentary: 2 sec. max

Tube Head Specifications

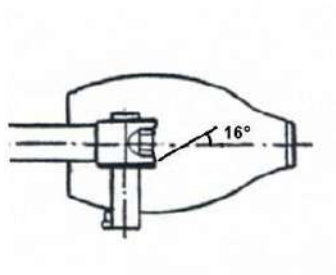
High voltage values (k V)	High frequency D C
Rated Voltage	60 / 65/ 70 kV
Tubehead power	420 W
Duty cycle	1:60 (60 times the X-ray time)
Focal spot size	0,4 mm (IEC 336)
X-ray field	\varnothing < 60 mm (22x32 mm+ 32x42 mm options)
Minimum focus skin distance	20 cm
Leakage Radiation at 1 m	< 0.25 mGy/h
Technical factors for leakage radiation	70kV,5mA,1S Duty cycle 1 exposure every 60 seconds
Maximum energy in 1 hour	300mAs @70kV,2S





X-ray Tube Specifications :

Rated voltage	70
Focal spot (IEC 336)	0,4 mm
Anode materia l	Tungsten
Anode tilt angle	16°
Anode thermal capaci ty	7 kJ
Inherent filtration	0,5 mm Al equivalent at 70 kV
Nominal anode power@ 0,1SEC (DC)	600 W



Weight of the device and removable parts :

Gross weight packing included	80 kg
Net weight of the device in stand ard configuration	55 kg
X-ray head	6,3 kg
Control unit	1,8 kg
Double pantograph ar m	10,4 kg
Extension arm 50 cm	3,2 kg
Extension arm 90 cm (standa rd)	3,9 kg

Operating conditions :

Temperature	+10 °C – +40 °C
Relative humidity	30%– 75%
Pressure	From 700 to 1060 hPa



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Wall-Mount Dental Generator



Wall-Mount Dental Generator has the same specifications as the Mobile unit, except for the following:

Weight of the device and removable parts

Gross weight packing included	30,1 kg
Net weight of the device in standard configuration	25,1 kg
X-ray head	6,3 kg
Control unit	1,8 kg
Wall plate	2,7 kg
Double pantograph arm	10,4
Extension arm 50 cm	3,2 kg
Extension arm 90 cm	3,9 kg



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Hand-held MasterDent Pro Dental Generator

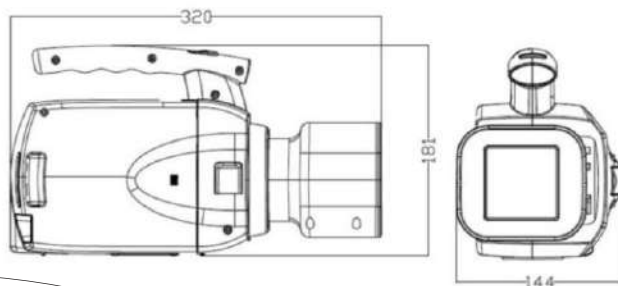


No need to bring large animals into the clinic for check-ups—move the machine, not the patient. Avoid the hassle of installing bulky X-ray equipment in the limited space of a veterinary clinic.



System Specifications

X-ray generator	Inverter type
Tube voltage	50 ~ 80 kV(adjustable)
Tube current	1 ~ 5 mA (adjustable)
Tube type	Stationary
Tube focal spot	0.8mm
Target angle	16°
Exposure time (increase 0.05sec)	0.05 ~ 1.35 sec
Power requirement	DC 15.0 ~ 16.8V
Weight	3.6kg
Power supply	Rechargeable battery (16.8V) - Inner battery pack - External battery pack (At the same time charging and using)
Display	4.8" TFT-LCD (Radiation image display)





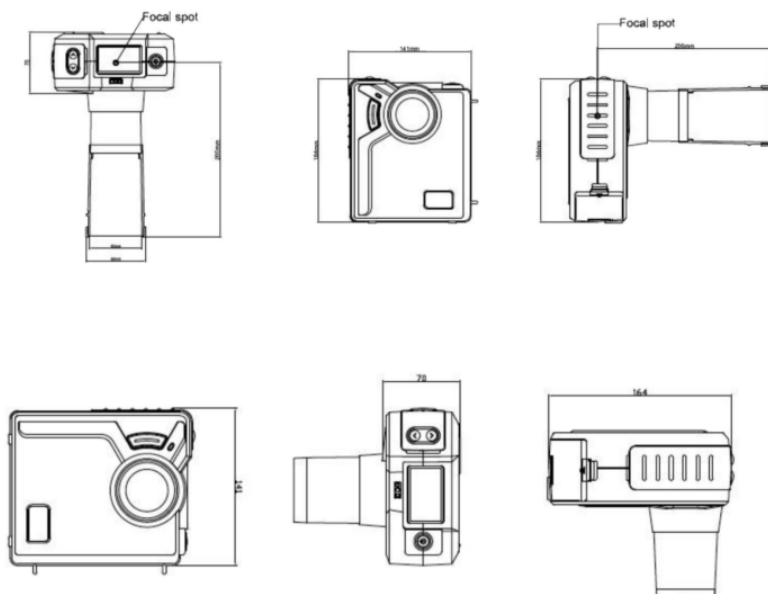
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Hand-held MasterDent Pro Dental Generator



System Specifications

X-ray generator	high frequency
Tube voltage	65kv
Tube current	1.7mA
Tube type	Stationary
Tube focal spot	0.8mm
Target angle	20°
Exposure time (increase 0.05sec)	0.05 ~ 1.35 sec
Power requirement	DC 14.2~16.8V
Weight	1.8kg
Detector	Film / PSP / Digital Sensor
Power supply	Rechargeable Lithium Polymer Battery
Display	OLED
Charge Method	Magnetic Cable





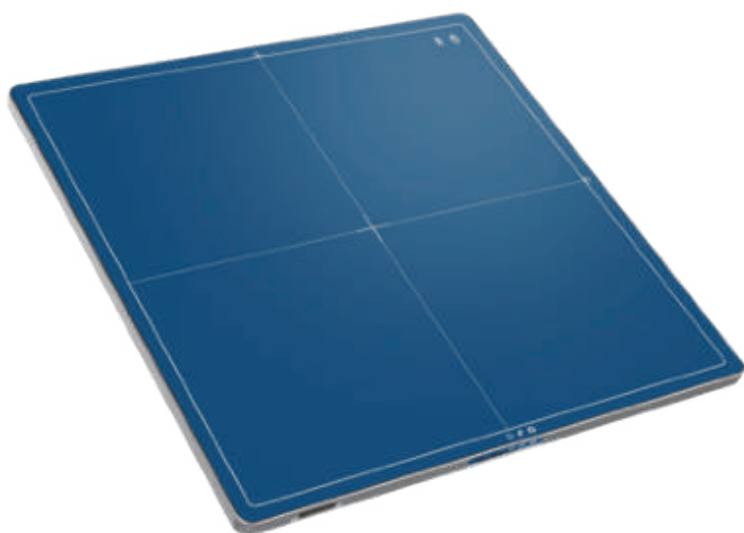
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MasterX™ 800 Series

POWERED BY VOYANCE®

MasterX™ 800 Series features

Our detector features built-in sensors, including temperature and gravity sensors, that continuously monitor the system—even when the panel is powered off—to ensure proper functionality and safe operation for the user.

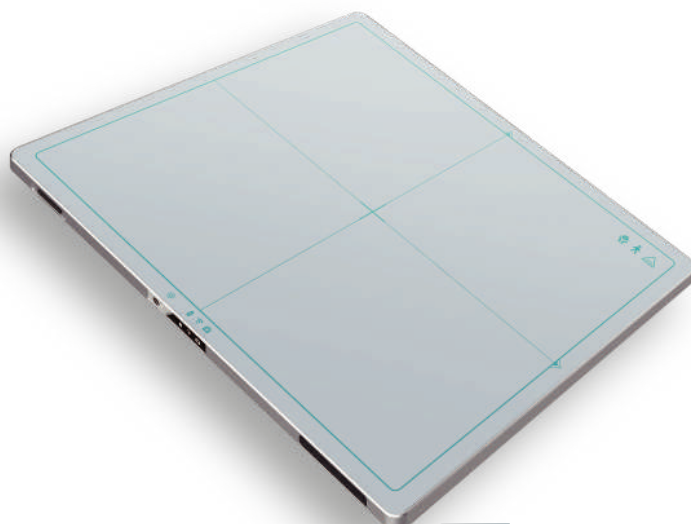


Main features

- Ultra low dose
- Self management and monitoring



- Complete diagnostic system
- Easy cleaning (IPX6-rated for water resistance)



Specifications

MasterX™ 802C

Glassless 14" x 17" Wireless & Tethered CsI FPD | Powered by Voyance®

Specification	802 C
Outline dimensions (ISO4090)	14" x 17" 383 x 460 x 15 mm
Sensor array	A-Si photodiode
Scintillator	CsI
Resolution	2,500 x 3,063
Pixel Size	140 µm
Grayscale	16 bit
Wifi	802.11ac / 2 antennas / 2s scan display / AP mode
Drop height	70 cm
Housing material	Mg-Al alloy
Weight	2.5 kg
Waterproof	IPX6
Durability (Face load / Point load)	300 / 120 kg
Battery autonomy	8 hours*
Trigger mode	AED mode
Log file	Log file, sensor data and other calibration data are available
Accessories	Battery/ Magnetic connector cable with ethernet and power
Operation temperature / Humidity	10~ 35 °C / 15~ 80%



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Specifications

MasterX™ 804Ce

17" x 17" Csi Fixed Tethered Panel | Powered by Voyance®

Specification	804 Cesium, Ethernet-Tethered Only
Outline dimensions (ISO4090)	460 x 460 x 15mm
Sensor array	A-Si photodiode
Scintillator	Cesium Scintillator
Resolution	3,072 x 3,072
Pixel Size	140 µm
Grayscale	16 bit
Housing material	Aluminum alloy
Weight	3.4 kg
Trigger mode	AED mode / Software SYNC mode
Calibration data	10 sets of calibration, data can be stored in it
Log file	Log file, sensor data and other calibration data are available
Accessories	Magnetic connector cable with ethernet and power
Operation temperature / Humidity	10~ 35 °C / 15~ 80%





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Voyance® Vet

An industry-leading, complete software suite that offers a secure and cost-effective way to acquire, view, and share DICOM images. Voyance® features one of the most intuitive and user-friendly interfaces. Its modern design, focus on user experience, and comprehensive set of features make it an essential tool for every user.

Instant installation and auto-configuration

Easy, user-friendly Modern user interface

Interface consistency across acquisition and viewing platforms

Optimum Workflow designed for efficiency

ClairVoyance® Image Processing Algorithm

Supports a wide range of detectors and generators

X-RAY Generator integration (CPI & DRGEM)

Auto Stitching and Auto Cropping

Side by side comparisons

Fully DICOM 3.0 Compatible: MWL, MPPS, and all DICOM ops.

Reject Analysis





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