

# eco & electronics ecoTRON



[ Intelligent C-ARM System ]

## INTRODUCTION

**Company name** ECOTRON Co., Ltd  
**Address** 505Ho, Hanshin IT Tower II, 60-18, Gasan-Dong,  
Geumchoen-Gu, Seoul 08511 Korea

ECOTRON is a specialized Portable X-ray, Mobile X-ray system, Surgical C-arm X-ray system and X-ray generator with advanced technology. We are particularly specialized in X-ray generator and X-ray system for human and veterinary.

As a leader of Portable X-ray, Mobile X-ray system, Surgical C-arm X-ray system and X-ray generator, we will continuously research and study to be the best X-ray system in this field.

## TIMELINE

### 2005 ~ 2006

- 10 Established ECOTRON Co., Ltd (2005)
- 11 Factory Registration (2005)
- 01 Research Laboratory Approval (2006)
- 11 Venture Business Certification (2006)

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### 2007 ~ 2015

- 07 Obtained ISO 13485 & CE Approval for Portable X-ray System from DNV (2007)
- 03 Participated in International Medical Device Exhibition KIMES (2008)
- 03 Certification of Export Promising Small Business (2012)
- 11 Participated in RSNA in USA 2012 (2012)
- 07 Obtained FDA 510(k) for Portable X-ray System (Class II) (2015)

### 2016

- 02 Obtained ISO 13485 & CE Approval for Diagnostic X-ray Systems from TUV SUD Approval Portable X-ray System
- 07 CE Approval Mobile I.I C-Arm X-ray System
- 10 Obtained FDA 510(k) for C-Arm X-ray System (Class II) FDA Device Listing for High Frequency Generator (Class I)

### 2018

- 03 Obtained FDA 510(k) for FPD C-Arm X-ray System (Class II)
- 09 Obtained ISO 13485 & CE Approval for High Frequency X-ray Generator from TUV SUD
- 11 CE Approval FPD C-Arm X-ray System

### 2019

- 01 Obtained New ISO 13485 : 2016 from TUV SUD
- From 2014 to the present Participated in Overseas Exhibitions(RSNA, MEDICA, ARAB HEALTH, EXPOMED, CMEF, KIMES etc.)

## CERTIFICATE

CE, FDA, GMP, CSA, ISO 13485



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## Digital Radiography System (EXS-Series)



The newly designed EXS-SERIES diagnostic X-ray system provides an analogue radiographic room that perfectly fits your workflow and budget, which 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.

EXS-SERIES X-ray system is designed for operator and patient comfort with the moving components specially designed to reduce electromechanical lock noise Experience the quality, durable and user-friendly operation for all applications with the EXS-SERIES X-ray system.

## Intelligent C-ARM System (Anyview-Series)



### Features

- True 1k\*1k high resolution imaging technology on a mobile system
- Enhanced mechanical design, ideal for a wide range of applications
- Simple user interface reduces procedure time to improve efficiency
- Large C-arm size for easy use in clinical environment
- High image quality at the lowest possible dose
- High quality X-ray tube with 0.3/0.6mm focal spot size
- Most high power output with 5kw HFG

CCD Type : Stationary tube - 2.4kw, 3.2kw, 5kw

Rotating tube - 5kw

FPD Type - 5kw

## Digital Portable X-ray (EPX-Series)



	EPX-F1600	EPX-F2400	EPX-F2800	EPX-3200	EPX-F4000	EPX-F5000
Max Output Power	1.6kW	2.4kW	2.8kW	3.2kW	4kW	5kW
Generator frequency	100kHz	70kHz	70kHz	70kHz	70kHz	70kHz
kV Range	40~90kV	40~100kV	40~120kV	40~100kV	40~110kV	50~110kV
mA Range	12~30mA	16~40mA	12~40mA	25~60mA	20~80mA	20~100mA
mAs Range	0.4~100mAs	0.4~100mAs	0.4~100mAs	0.4~100mAs	0.4~100mAs	0.4~100mAs
Focal Spot	1.2*1.2mm	1.2*1.2mm	1.2*1.2mm	2.0*2.0mm	1.8*1.8mm	1.8*1.8mm
Target Angle	19°	16°	16°	16°	15°	15°
Anode Heat Storage	10kHU	50kHU	50kHU	40kHU	42kHU	42kHU
Input Voltage	110V/220V	110V/220V	110V/220V	200V/240V	200V/240V	200V/240V
Phase Frequency	Single/50~60Hz	Single/50~60Hz	Single/50~60Hz	Single/50~60Hz	Single/50~60Hz	Single/50~60Hz
Dimension(mm)	335*153*170	360*200*190	360*200*190	360*200*190	360*200*190	360*200*190
Packing Size(mm)	520*400*330	520*400*330	520*400*330	520*400*330	520*400*330	520*400*330
New weight	6.8KG	11KG	12KG	12KG	12KG	12KG
G-weight	20KG	22KG	22KG	22KG	22KG	22KG

## Smart X-ray Generator (SXG-Series)



Model	SXG-32R	SXG-40R	SXG-52R	SXG-68R
Power Rating	32kW	40kW	52kW	68kW
Line Nominal, Phase	230V~, 1Φ(Single Phase), 50/60Hz		400V or 480V, 3Φ(Three Phase), 50/60Hz	
Line Voltage Range	±10%			
kV Range	40 to 125kV, 1kV step		40 to 150kV, 1kV step	
mA Range	10 to 400 mA	10 to 500 mA	10 to 640 mA	10 to 800 mA
Timer Range	1ms to 10 sec, 36 steps			
mAs Range	0.1 to 400mAs		0.1 to 500mAs [Option for a Higher]	

## Mobile X-ray (Ultra-Series)

### Features

- Most compact size and lightest weight
- Provide high resolution imaging at lower dosages
- Large focus(1.8mm) / Small(0.6mm) focus change
- Design for Reliability
- Two operation consoles  
(Main operation console, Header operation console)
- Soft Touch Controls with Digital displays
- Calibrated cassette size indicator dials
- Wide range of anatomical programs
- Cost effective
- Two stage dynamic, Auto line compensation
- CR/DR Compatible
- High frequency

OUTPUT POWER		5 KW
Input Power	Voltage	200V-264V
	Phase & Frequency	Single/50/60 Hz
Large focus	kV Range	40~120kV/1kV step
	mA Range	20~100mA
	mAs Range	0.1~200mAs
Small focus	kV Range	40~120kV/1kV step
	mA Range	6~18mA/ 1 mA step
	mAs Range	0.4~50mAs
Display		KV/mAs/Sec: 7-segment LED type
X-ray tube	Focal Spot	1.8mmx1.8mm
	Target Angle	15 degree
	AnodeHeattorage	30000J

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## Digital Vet System (Any Vet-Series)



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