

# EPSILON

passion to lead

## EP CORSA 15/32

Single Detector  
Solution for all Digital  
Radiography needs



Marketed by:

**FUJIFILM**  
Value from Innovation

Certified & Approved by:

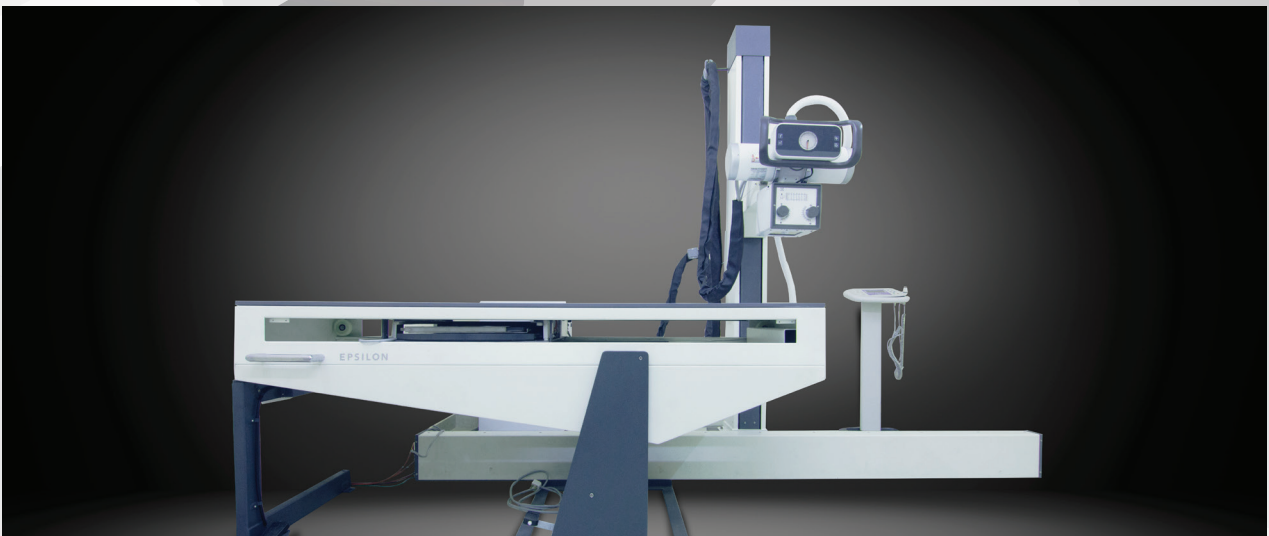


# PRODUCT DESCRIPTION



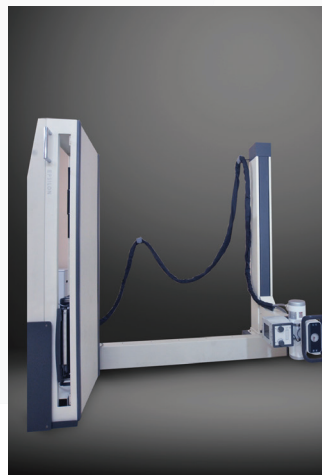
EPSILON EP CORSA 15kW and EP CORSA 32kW are ergonomically designed Digital Radiography Systems with High Frequency X-ray generator and two position X-ray examination table which is a new CONCEPT that improves workflow and throughput. It offers affordability, robust system design and high quality product.

The system is designed to suite all radiographic examinations from skull and pelvis to extremities. To broaden the clinical spectrum with single detector solution, the examination table can be used as a wall stand in order to perform chest or orthopedic applications.



For standing, seated or recumbent patients, EP CORSA can easily accommodate different examination conditions with one fixed single detector\*.

The integration of the detector with its own Imaging Acquisition System offers most advanced features that will allow you to take full advantages & benefits of Digital Radiography system by acquiring High Quality X-ray Images with low noise and high sharpness.





# EP CORSA OFFERS

- Easy and Enhanced workflow with single detector
- Excellent Image Quality using same detector and advanced Image Acquisition System
- Investment safety and confidence

## SYSTEM HIGHLIGHTS

### 1. Operation

- Easy user interface for fast system familiarization
- Automatic selection of X-ray parameters using APR
- Shorter examination times without time-consuming CR/cassette operations

### 2. Patient table

- Patients above normal height can be conveniently examined from head to toe without repositioning
- The new table design allows almost all kinds of examinations by simply changing table position from vertical to horizontal
- Detector tray movement is electromagnetically locked
- Detector tray movement is fully counter balanced
- Grid removal is possible for chest radiography and radiography of neonates and small children
- Internal detector tray rotation offers flexibility to use the detector in landscape and portrait positions for various applications.

### 3. Tube column stand

- The integrated tube column stand supports longitudinal and up-down travel enabling a broad spectrum of applications including vertical, oblique, horizontal and lateral acquisitions
- All tube movements are electromagnetically locked
- Tube angle indications ensures easy tube positioning

### 4. X-ray generator

- Option of 15kW & 32kW High-Frequency X-ray Generator with Anatomical Program Radiography (APR).
- Low space requirement
- It comes with high quality collimator for precise collimation, thus offering radiation safety with superior Image Quality.

### 5. Flat Panel Detector

- A 14" x 17 Amorphous silicon detector with exclusive Irradiation Side Sampling Technology offers high quality X-ray images at low patient dose
- 150 micron pixels size with image resolution of 3.3 lp/mm offer sharper Images
- Fixed wired detector system eliminates risk of detector drop and associated damages

### 6. Imaging Acquisition System

- Latest Image Acquisition System offers most advanced features such as
  - I. Multi-Frequency Image Processing
  - II. Flexible Noise Control
  - III. Quick image preview.
- Full DICOM compatibility allows smooth integration into healthcare Informatics such as HIS RIS, PACS and Tele-Radiology solutions

# SPECIFICATION

## X-RAY GENERATOR

Power Output	15 Kw	32 Kw
Type	High Frequency	
kV Range	40kV to 125kV	
mA (Max)	300	400
mAS (Max)	500	
Digital Display	kV, mA & mAS	
Power Supply	Three Phase	
Collimator	High Quality Manual Collimator	
APR Facility	Available	

## COLUMN STAND

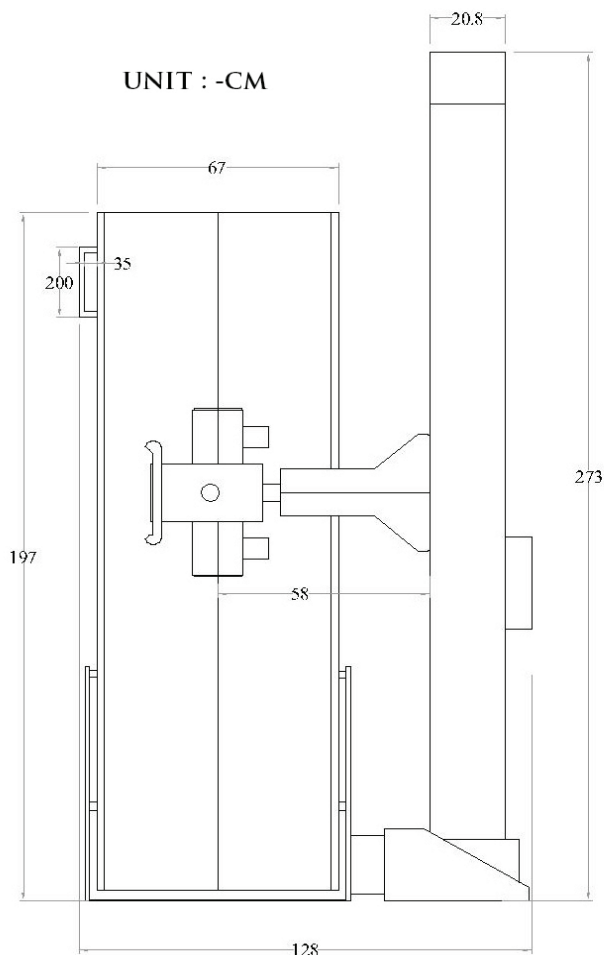
Type	Ceiling Free
Up-Down Movement	Manual
Locking	Electromagnetic
Max SID in Vertical Position	<180cm

## EXAMINATION TABLE

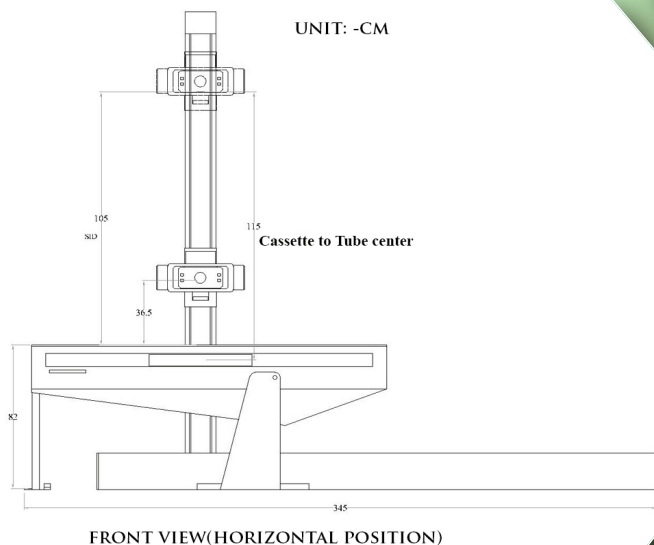
Type	Two Position(Horizontal & Vertical)
Grid	10:1 80lines/cm
Grid Removal	Manual
Internal Rotation of Detector	Yes. Possible

## DETECTOR SYSTEM (FUJIFILM)

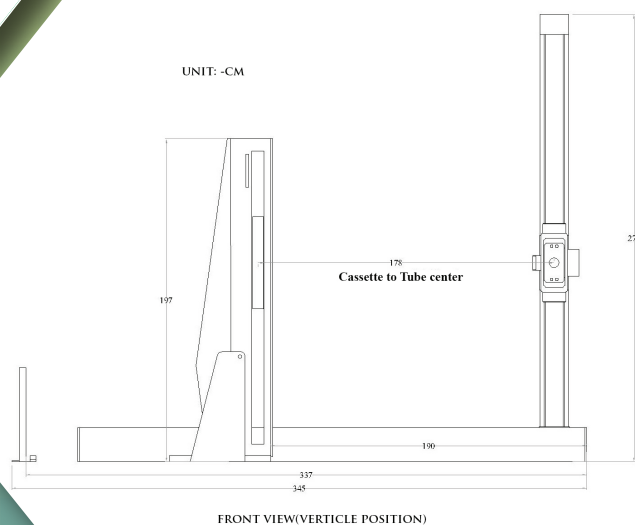
Detector Size	14" x 17" (Fixed-Wired)
Detector Technology	Amorphous Silicon
Pixel size	150 µm
Reading gray scale level	16 bit/pixel
Pixel matrix size	2880 x 2304 pixel
Image Preview Display	Less than 3 sec.
Processed Image Display	Less than 5 sec



SIDE VIEW  
CEILING FREE COLUMN  
2-POSITION TABLE



FRONT VIEW(HORIZONTAL POSITION)



FRONT VIEW(VERTICLE POSITION)

Manufactured By  
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