



**TAURUS - RP-88**  
**Panoramic**

**TAURUAS - RPC-88**  
**PAN/CEPH**



# The X-ray Generator

- **High frequency true DC X-ray generator**
  - very small focal spot (i.e. 0.5mm) for a sharper image quality
  - kV modulation to suppress blurring in the incisor area due to the influence of the spine intercepting the X-ray beam during the exposure.
  - Wide technical factors setting: manual and pre set

# The Technology

CdTe, Cadmium Telluride, is considered a superior Imaging material for digital imaging because:

- 1.It does not require a scintillator, absorbs 90% of visible light
- 2.Ability to absorb radiation without saturation
- 3.Does bloom
- 4.Low radiation requirement
- 5.High dynamic range
- 6.Low noise footprint
- 7.Robust - Low failure rate
- 8.Low distortion

# Patient Positioning

Bite Block & Chin rest



# Ceph Arm

- The ceph arm can be added later on as an option
- Secondary collimator to ensure a sharp and precise x-ray beam
- For lateral projections AEC works as a soft tissue filter allowing better image quality



# Ceph Arm

- Easier sensor coupling
- Less installation limits.
- The CEPH unit can be installed close to a wall.
- Yes it can be installed in the field, without extraordinary efforts

# Pan Sensor

- Resolution: 10 lp/mm
- Pixel size: 50 micron
- Active area PAN sensor:
  - 150 x 6.5 mm
- # of effective Pixels:
  - $1540 \times 2900 = 4,466,000$

# Ceph Sensor

- For Pan and Ceph Projections
- Resolution: 10 lp/mm
- Pixel size: 50 micron
- Active area: 240 x 6.5 mm
- Number of Effective Pixels

$$2200 \times 2400 = 5,280,000$$

# Taurus Projections

## Standard Projections



Standard Panoramic



Child Panoramic



Orthogonal Half-Panoramic



Orthogonal Dentition



Frontal Maxillary Sinuses



Frontal Dentition



Frontal TMJ



Lateral TMJ

## Cephalometric Projections



Latero-Lateral (LL)



Antero-Posterior (AP)

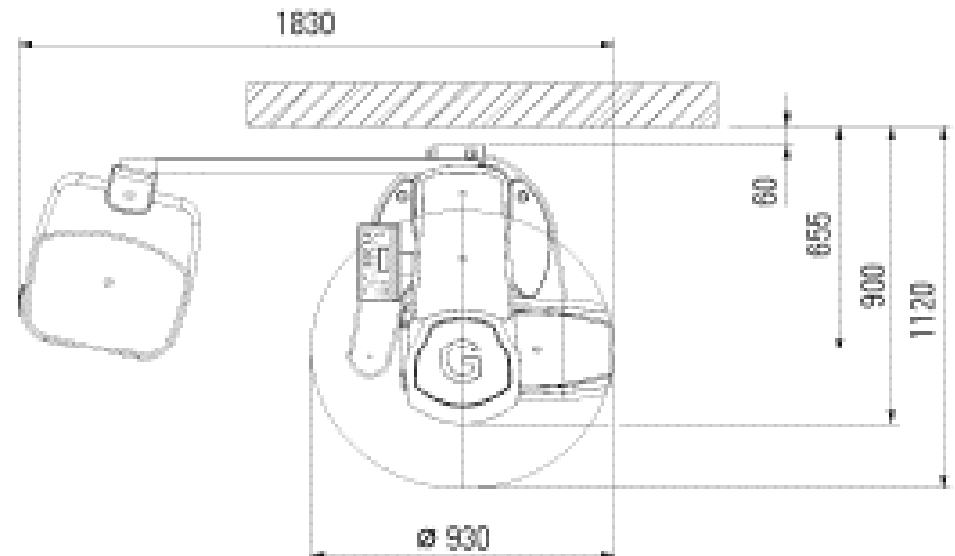
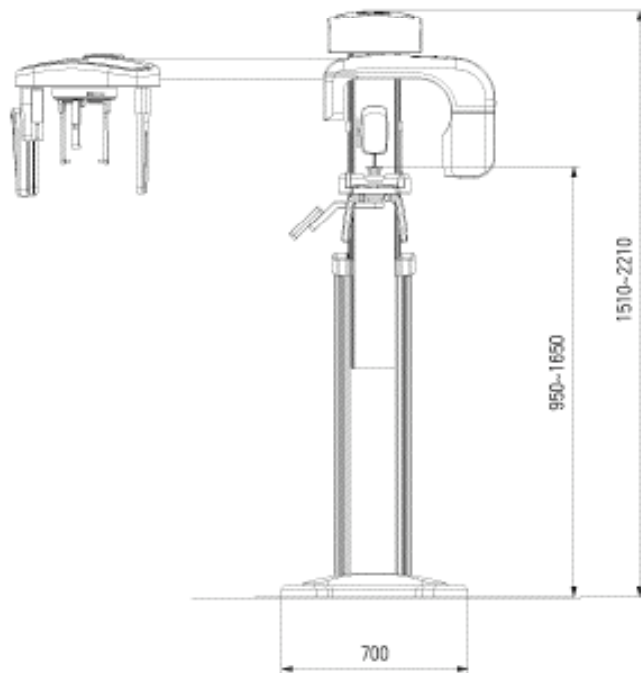


Postero-Anterior (PA)



Carpus

# Installation Dimensions



Just **1830 x 930 x 2210mm** for a Pan/Ceph unit!