

Pinnacle Pro



The World's Most Affordable Fixed Flat Panel Cath Lab

Making Cardiovascular care accessible

Fully Digital Fixed Flat Panel Cath Lab

1K X 1K Resolution

Flat Panel 12" diagonal

16-bit Dynamic range

Easy Remote Based User Interface

Smallest Footprint

Yet one of the Most Versatile Cath Labs



Acquisition Modes

Pulsed Fluoroscopy, Cine, DSA, Roadmap, Low Dose Fluoroscopy.



43" 4K UHD Ceiling Suspended Monitor

65 KW High - Frequency X-Ray Generator

1.5 MHU X-Ray Tube

Table

Carbon Fiber Tabletop

Max Patient Weight: 200 Kg, Minimum Height: 800 mm

Memory Foam Mattress



Detector

Flat Panel 12" diagonal, 20 cm x 20 cm, Pixel Size 200µm, Image Matrix 1024 x 1024,
16-bit Dynamic range, DQE - 75%.

Gantry

Floor mount, ISO Centric, left side-mounted, Orbital Speed: Upto 25 deg/sec, Angulation
Speed: Upto 25 deg./sec, Angular Stroke: -45 deg. to +45 deg., Orbital Stroke: +90 to -45 deg.,
C arm Depth - 85.3 cm, Fixed SID: 108 cm.

Monitor

Commercial Grade 43" 4K UHD, 3840x2160 Display matrix, Ceiling Suspended

Monitor Ceiling Suspension (MCS)

MCS can be positioned on three sides of the patient Manual Monitor Height Adjustment

Image Acquisition System

Fluoroscopy, Roadmap, Cine, DSA, Low Dose Fluoroscopy mode, Fluoro Save Option,
All the modes are configurable to 3,6,9,12,15,25 frame/sec frame rate.
Image Storage - 150000 + images.

External System Integration

Haemo Monitor Integration

UI Modules

Table Control Module, C- Arm & Imaging Control Module
Remote Based Software Control Module

Acquisition Modes

Pulsed Fluoroscopy, Cine, DSA, Roadmap, Low Dose Fluoroscopy.

Software Processing Options

16-bit image processing pipeline, Adaptive noise reduction and
contrast enhancement, Mask overlay, pixel shift, Zoom, Pan,
Mirroring, Rotation.

Environmental

Input Power : 400-415 VAC, 65KW, 3 Phase, 50Hz Mains Line

impedance < 0.15, Operating Temperature 15°- 30°, Operating Humidity 30% - 75%



Collimator

Square Lead Shutter, Heart Profile soft Cu Shutter, Variable Cu Filters

Workstation

150000 +Images, DICOM CD/DVD Writing, Store to PACS, Backup to external hard disk

Dose Awareness

Relevant dose information such as cumulative dose, Dose rate, Cumulative DAP and DAP rate on the Live monitor in the exam room. Cumulative dose information provided on the review monitor in the control room is DICOM Radiation Dose Structured Report.

Generator

65 KW High-frequency X-Ray generator, 40 - 125 KV, Max current 630mA @100 KV.

X-Ray Tube Assembly

125 Kv, Rotating Anode, Metal center tube, 0.6/1.0 Focal spot, 60/112 Kw anode input power, 1.5 MHU, Oil Cooled with external Heat Exchanger with the flow and thermal safety switch. Total filtration 9.5 mm Al Eq.

Table

Carbon Fiber Tabletop, Memory Foam Mattress, Max Patient Weight ·200 Kg, Minimum Height 800mm, Vertical stroke: 300 mm. Table longitudinal stroke: 1000 mm Table Lateral stroke: 300 mm.

DICOM Interface

DICOM Print. CD/DVD Export. Structured Dose Reporting.