



Your Reliable Partner in Life Support

# Pinnacle Fixed, Flat Panel Fully Digital Cath Lab



Designed to meet the highest standards of Physician and Patient Safety

## The Smallest Fixed, Flat Panel, Fully Digital Cath Lab

With an international Design Concept, Lower Dose and Superior image quality which is a result of Complex Supercomputing Algorithms used for the first time in Medical Technology, Pinnacle Competes with best in the Industry



# The fastest growing and India's most awarded Cath Lab in 2018 - 2019



Winner of India Medical Device Company of the year award, Good Design, Red Dot Design Award, CII Design Excellence Award, India Design Award and CII Industrial Innovation Awards 2019 as a top innovative company

## Stent Confidently with Stent Clarity<sup>®</sup>

Stent Clarity<sup>®</sup>. Now Visualise the stent better than ever before - Enhanced Visibility of the stent facilitates optimal expansion and placement of DES

Pulse Fluoroscopy, DSA, Stent Clarity<sup>®</sup>, Road Map

Allows you to carry out a wide range of diverse cardiac, Peripheral Vascular, Neurovascular Diagnostic and Interventional procedures smoothly

## The Peak of Perfection

- Proprietary image processing Chain ensures sharp images at lower radiation leading to enhanced patient and Physician Safety
- Low Dose Mode
- Powerful Heat Exchanger - Peace of mind for longer Complex procedures

**PINNACLE** allows you to perform a wide variety of cardiac, Peripheral Vascular and Neuro Vascular Diagnostic and interventional procedures with ease

## Industry Leading Graphic User Interface and Responsive Hardware

### Always be in Control

- Touch Screen and Physical Controls
- World Class TAB Based patient data control
- First in the industry to have tablet based interface which allow all patient data to be controlled easily & efficiently
- World Class Track Pad based Table Control

## Detector

Flat Panel 12" diagonal, 21x21cm, Pixel Size 154 $\mu$ m, Image Matrix 1344x1344,  
16-bit Dynamic range, DQE - 77%.

## Gantry

Floor mount, ISO Centric, left side-mounted, Orbital Speed: Up to 25 deg/sec,  
Angulation Speed: up to 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

55" 4K UHD, 3840x2160 Display matrix, ceiling suspended.

## Monitor Ceiling Suspension (MCS)

MCS can be positioned on three sides of the patient. Spring balanced 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  
Tablet 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, QCA and Stent Enhancement.



## 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.

