IITPL
Made in India For the World

PINNACLE PRO

Made in India
FOR THE WORLD

INDIA MEDICAL DEVICE
GOOD DESIGN AWARD 2019
reddot design award 2018
CII INDUSTRIAL INNOVATION AWARDS 2019 Top 25 Innovative Companies
8TH CII DESIGN EXCELLENCE AWARD 2018 WINNER
GOOD DESIGN INDIA DESIGN MARK

About Us

IITPL is a unique amalgamation of strengths in Cath Lab Design and Manufacturing, X Ray Imaging, Software and Interventional Cardiology Consumables.

The Three promoter groups

VJ Technologies
New York

Innvolution Healthcare
New Delhi

Ex Alpha X Ray Promoters
Germany and India

Bring a combination of strengths that are unique and complimentary resulting in development of the Pinnacle and Pinnacle Agile Cath Labs – the fastest growing and the most awarded Cath Lab of India in 2018-2019. The promoters of the company have a vision of creating truly differentiated solutions in Medical Imaging and offering solutions that make Medical Imaging more effective and accessible.

75 *
The Fastest Growing Cath Lab of India in 2018 – 75 units sold, 60 installed in 30 months

09 *
The Most Awarded Cath Lab of India in 2019– 9 National and International Awards

36 *
Pinnacle Agile – Sold 36 Cath Labs since launch in February 2019

90% *
90 % customer satisfaction across 60 installation

June' 21 *
Next generation Cath Lab Under Development – Prototype in June' 21

48 Hours *
Less than 48 Hrs of downtime at any installation since inception

*** Data as of October 2020**

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Presenting Pinnacle Pro

The World's Most Affordable Fixed Flat Panel Cath Lab

Making Cardiovascular care accessible

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Fully Digital Fixed Flat Panel Cath Lab

1K X 1K Resolution

Flat Panel 12" diagonal

16-bit Dynamic range

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Easy Remote Based User Interface

Smallest Footprint

Yet one of the Most Versatile Cath Labs

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Acquisition Modes

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

43" 4K UHD
Ceiling Suspended Monitor

65 KW High-frequency X-ray generator

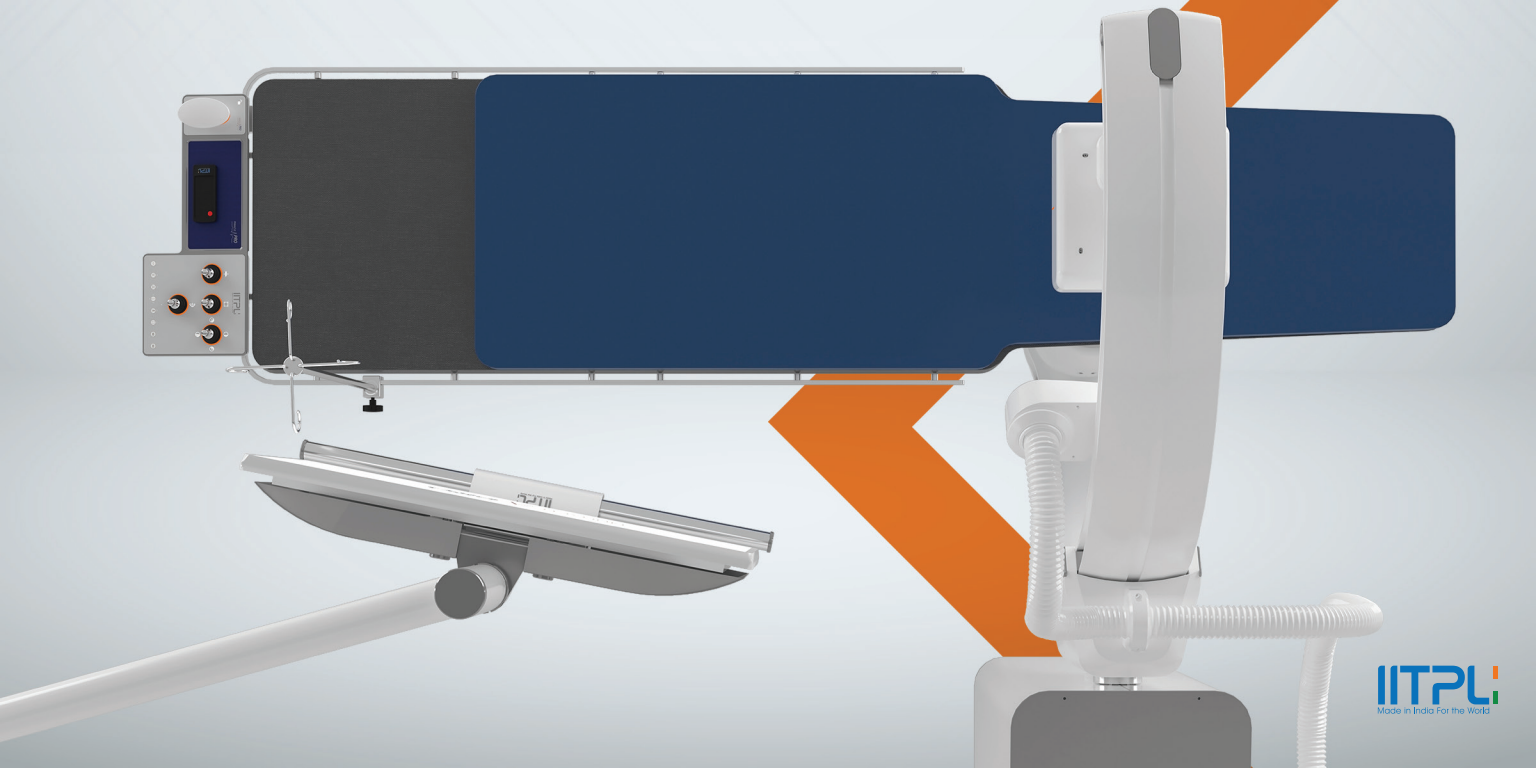
1.5 MHU X-Ray Tube

Table

Carbon Fiber Table top

Max Patient Weight ·200 Kg, Minimum Height 800 mm

Memory Foam Mattress



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Pinnacle Pro Specifications

Detector

Flat Panel 12" diagonal, 20 cmx 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

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

Heamo Monitor Integration

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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 < 0.15Ω

Operating Temperature 15°- 30°, Operating Humidity 30% - 75%

Collimator

Square lead shutter, heart profile soft Cu shutter, variable Cu filters

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Workstation

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

Dose Awareness

Relevant dose information such Cumulative dose, Dose rate, Cumulative DAP and DAP rate on the Live monitor in exam room. Cumulative dose information provided on the review monitor in 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 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.

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Our Awards

Indian Medical Device Company of the Year Award 2020 by Department of Pharmaceuticals, Government of India. Highest level award for a Medical Device Company in India.

Good Design Award is considered the highest level of recognition in Industrial Design by Ministry of Commerce, Japan

The Red Dot Award is considered the OSCARS for Industrial Design worldwide. Considered one of the best design award globally and awarded to products with best in class industrial design concept.

Received CII Industrial Innovation Awards 2019 for being adjudged as top 25 Innovative companies of India.

Confederation of Indian Industry is the apex trade body in India and this award recognizes the very best in Industrial design in India

Awarded by the Government of India, The India Design Mark (I Mark) is a design standard which recognizes Good Design by India Design

Pinnacle Family of Cath Lab

PINNACLE PRO

PINNACLE
Your Reliable Partner in Life Support

PINNACLE® AGILE

PINNACLE AGILE iCathSuite

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Innovation Imaging Technologies Private Limited

121G, Bommasandra Industrial Area, Phase 1,Hulimangla Road,
Hosur Main Road, Electronic City, Bengaluru-560 099, Karnataka, India.

+91 93200 30556

info@iitpltd.com www.innvolutionimaging.com

* All pictures shown in the brochure are for illustration purposes only.
Actual product may vary due to product variation and enhancement.