



Allengers

Passion for excellence

6th GENERATION
CATHLAB

Successfully
installed
700⁺ Cathlabs
WORLDWIDE

Proxima **CS**

Ceiling Suspended Cathlab with
New "Synergy Acquisition" Software

Quality, System and Safety Certifications



C E 0297

bsi.

EN ISO 13485:2016



intertek



ISO/IEC 27001:2022



ISO 9001:2015



AERB

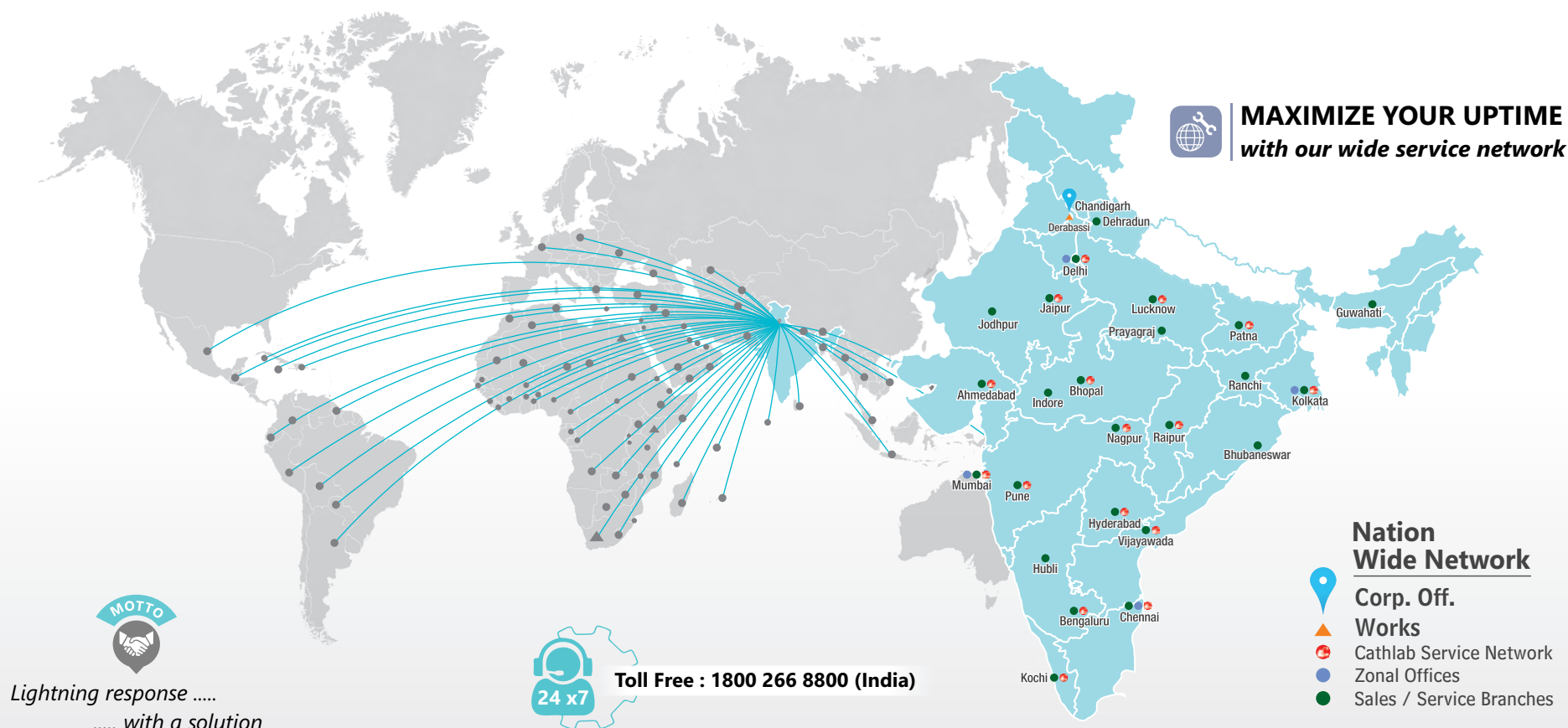
ABOUT US

From past 37 years, Allengers has led the global healthcare sector with innovative, high-quality medical systems and healthcare software, earning accolades for excellence. Our systems prioritize seamless workflows and top-notch radiation safety, benefiting radiologists and patients alike. Committed to defined timelines and utilizing state-of-the-art facilities over 100,000 sqm, we adhere to the highest industry standards.

Choose Allengers as your dedicated healthcare partner to embark on a journey of healthcare revolution, guided by cutting-edge technology and an unwavering commitment to excellence.

GLOBAL PRESENCE

Apart from a Nation wide service network of Cathlabs, presently, exporting to more than 110+ countries in the continents of Africa, Asia, South America, Europe, Middle East and CIS.

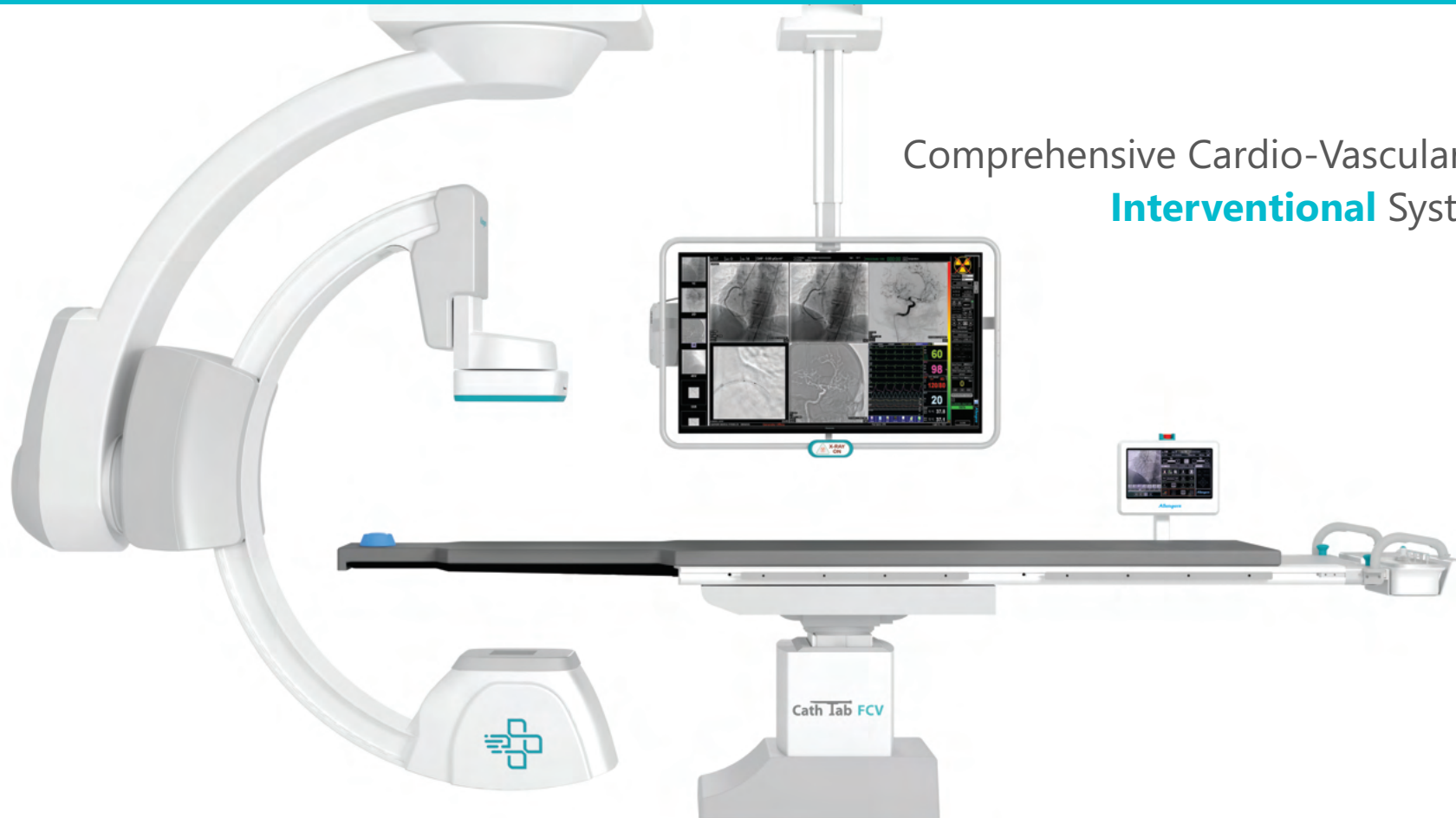


Proxima CS

Proxima CS is a fusion of optimum image quality at low X-Ray dose along with versatile and fast movements upto 25°/sec. It enables the user to perform complex cardiac and interventional procedures.

It's 100 KW X-Ray generator with 3MHU liquid metal bearing X-Ray tube add power and endurance.

Available with FPDs 20 x 20 cm / 30 x 30 cm.



Comprehensive Cardio-Vascular **Interventional** System

Salient Features :

- Detector size 20 x 20 cm / 30 x 30 cm.
- 1K x 1K / 1.5K x 1.5K resolution & High DQE of detector.
- 55" high resolution, high luminous coloured monitor with multiple display options / medical grade monitor.
- Distortion free imaging.
- Live stent view.
- Motorized rotation and up / down movement of detector.
- 100 KW dual inverter based generator.
- Liquid metal tube for toughest clinical demands.
- Online Digital Subtraction Angiography.
- ASSURE Protocols for radiation protection.
- Stent view and Stent fade in fade out feature.
- Rotational Angiography available.
- More angles in LAO / RAO (-120° to +120°).
- Longer cathlab table for head to toe coverage.
- Integration / Interfacing of FFR / IVUS & OCT.
- QCA & QLVA.
- Parking Facility of Machine is available.

55" HIGH-RESOLUTION, HIGH LUMINOUS MONITOR



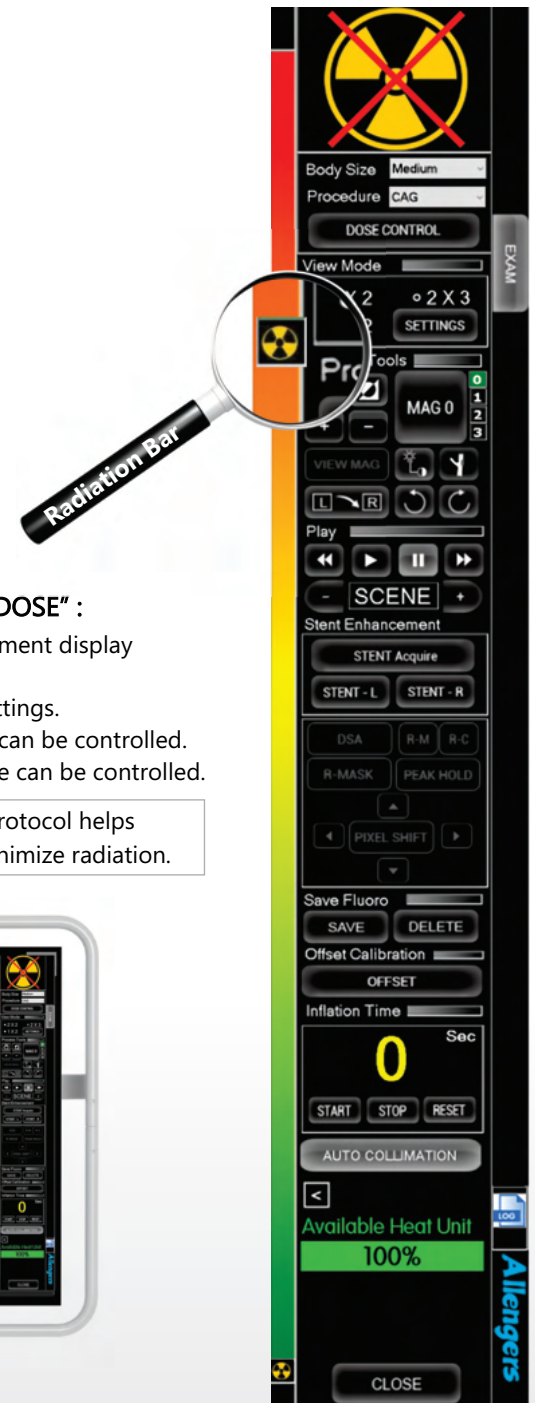
Multiple display 2 x 3



Multiple display 1 x 2



Multiple display 2 x 2

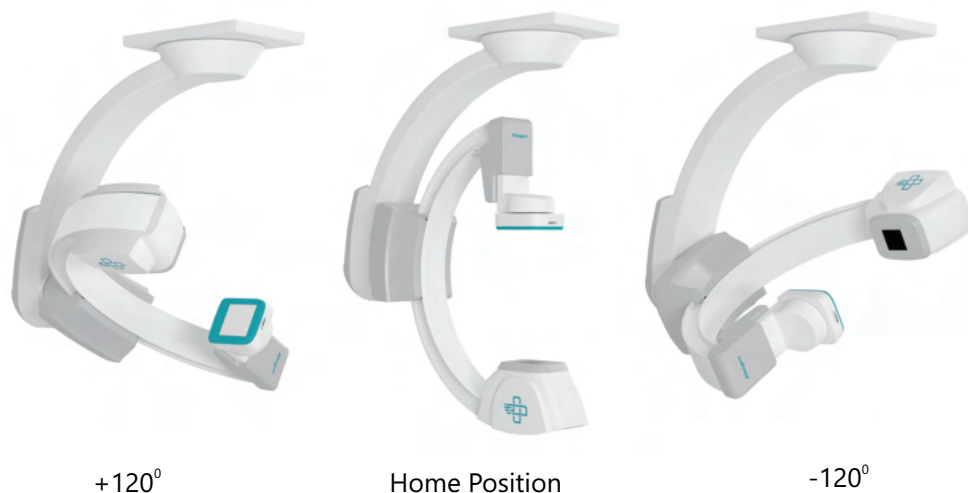


REAL DOSE "iDOSE" :

- Dose management display in real time.
- Frame rate settings.
- Tube heating can be controlled.
- Radiation dose can be controlled.

Dose saving protocol helps the user to minimize radiation.

ROTATIONAL ANGIOGRAPHY



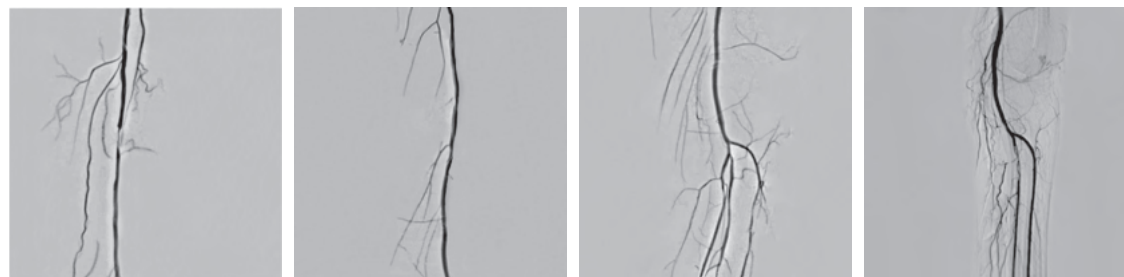
- Rotational Angiography (RA) is a method to acquire diagnostic images while the Cathlab gantry is in motion.
- Multi-dimensional view is available with better details of the anatomy.
- RA image data can be used to generate a 3D reconstructed volume of vascular anatomy. This reconstructed data can be used to plan intervention and treatment.
- RA helps to reduce the volume of contrast agent used as well as radiation dose.
- RA is also useful in case of visualization of complex vascular structures.

MONO SCAN

Right Coronary Angiography (RCA) and Left Coronary Angiography (LCA) can be done with single contrast injection.

PERIPHERAL SCAN

Peripheral scan helps in long limb angiography procedure. It also helps to visualize head to toe vascular anatomy of the patient in a single scan sequence.



C-Arm Movements

Addressing complex work flow through fast and programable movement control

True Isocentric C-Arm geometry with pre-programmable positions and proximal sensors provide deep, quick and safe angulations in all projections.



RAO (120°)



LAO (120°)



CAU (55°)



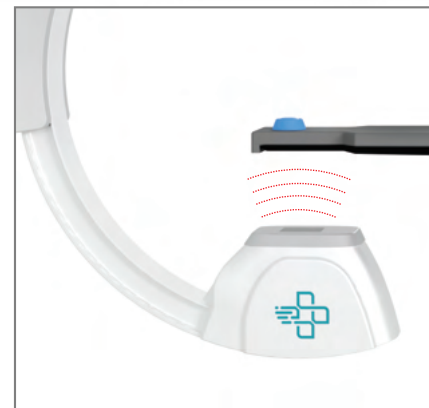
CRA (45°)



LAT (±90°)



Anti-Collision Proximity Sensor
on FPD (ensures patient safety)



Anti-Collision on Tube Side



Clockwise / Anti-Clockwise
Movement of FPD
(ensures all related views)

L-Arm Movements

Flexible "Around The Patient" movements of L-Arm ($\pm 90^\circ$) helps in conducting various interventional procedures like Pacemaker Implantation, Radial and Peripheral Interventions



Transversal / Longitudinal movement



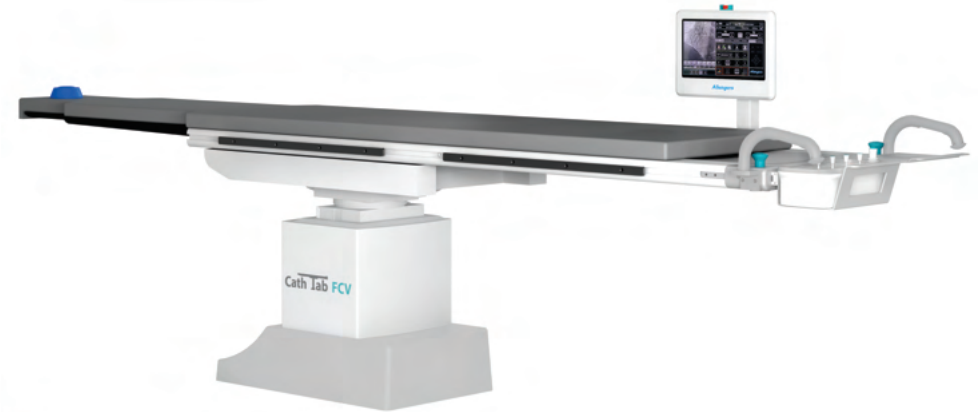
Parking Facility

Table Features

- 8 Axis (longitudinal / transverse / up & down) movements.
- Extended table top for full body coverage.
- Radiolucent carbon composite table top.
- EM locks to stop movements at any desired position.
- Rotational swivel movement ($\pm 90^\circ$).

Foot End Touch Monitor

Touch screen module provides easy access to the operator to select the frequently used functions along with image during the procedure. It can be placed on either side of the table.



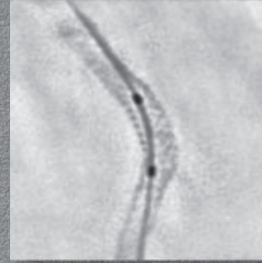
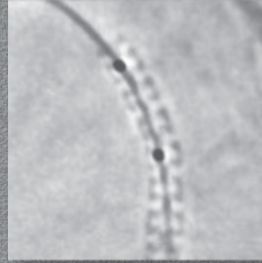
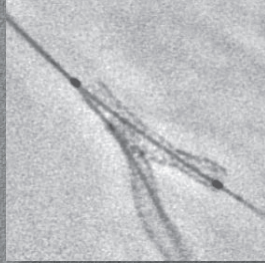
Foot End Control Panel

Compact and user friendly unit which consists of all the controls for Cathlab gantry, Flat Panel Detector, Collimator and patient table with joy sticks. It also provides controls for post image processing like play, pause, scene $\pm$, DSA and road map.

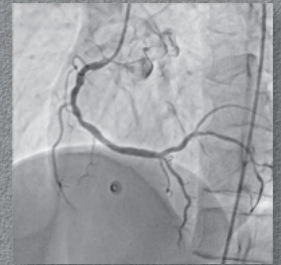
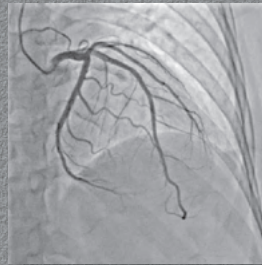
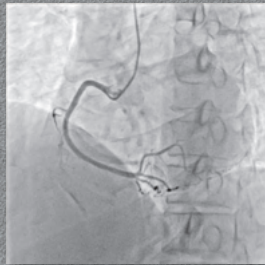
Clinical Images

Keeping 'high' image quality and 'low' radiation dose are the most prominent drivers in the development of our imaging portfolio.

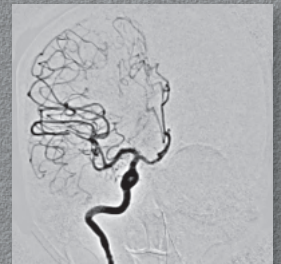
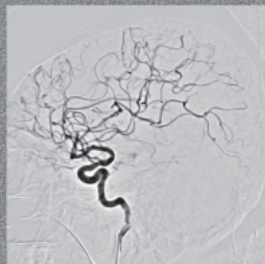
Stent View



Coronary Images



DSA Images



Console Room



NEW SYNERGY ACQUISITION SOFTWARE

Efficient Digital Imaging Workflow (DICOM 3.0)

Imaging Software :

- Image acquisition up to 30 fps
- QCA, QLVA, measurements of length angle, stenosis and area.
- Real time online DSA, road map, pixel shifting, re-masking and peak opacification.

Monitors (2 Nos.) :

High resolution and high luminance monitors :

- 1 No. 43" Live Monitor
- 1 No. 19" Monitor

ONLINE ROUTER FOR REMOTE SYSTEM DIAGNOSIS

- Secure connectivity.
- 24 x 7 remote assistance for remote diagnostics.
- Remote configuration and management for new software update.

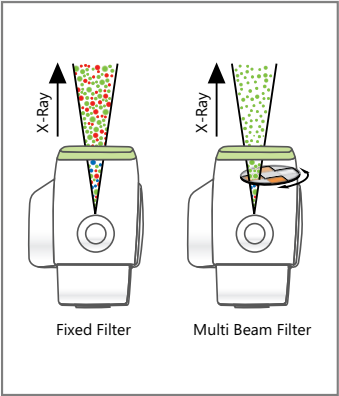


Allengers ASSURE Protocols mechanism ensures minimum radiation dose to the operational staff and patient in the procedure room. ASSURE Protocols use different methods to control the primary beam and scattered radiation and keeps them far below the safe radiation limits.



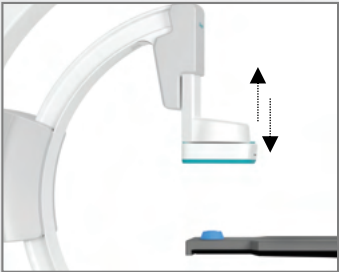
Upper / Lower Body Protection :

Ceiling suspended lead acrylic protection screen and lead flaps ensures radiation safety for upper and lower body.



Multi Beam Hardening Filter :

Blocks soft radiation at all dose levels and keeps the dose constant at all levels of X-Ray exposure conditions ensuring consistent image quality.



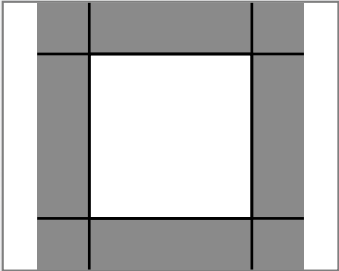
SID Control :

Variable Source to Image Distance reduces X-Ray dose by minimizing the distance between X-Ray source and image receptor.



Integrated Dose Area Product Meter :

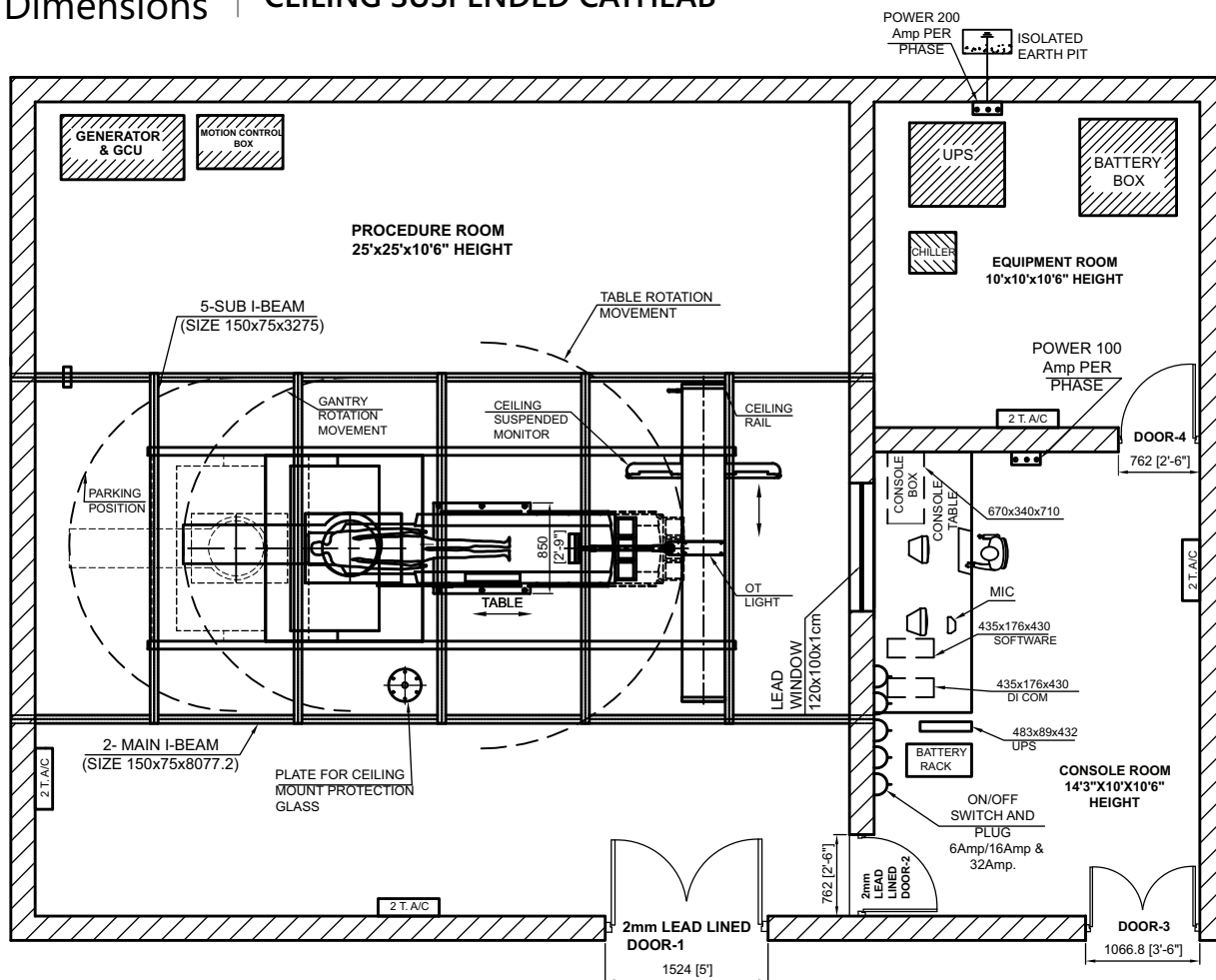
Measures the effective dose delivered and helps to keep the patient dose to the minimum.



Radiation Free Preview Collimator :

Radiation free preview collimator can be applied at any desired location without X-Ray exposure.

STANDARD ROOM PLAN FOR CEILING SUSPENDED CATHLAB



PRODUCT INFORMATION

Model	Allengers Pride HP
Series	Proxima CS
Output Power	100 KW
Power Requirement	Stabilized 3-phase, 125 KW, 400V AC, $\pm 10\%$, 50 Hz. 120 KVA UPS required for entire Cathlab equipment



ASSURE Protocols : All X-Ray based equipments involve some potential risk of radiation exposure. We, at Allengers understand your concerns. Allengers is fully committed towards radiation safety and care of its customers.

Allengers has introduced ASSURE Protocols, which is a step in the direction of delivering best possible image quality at lowest possible dose. Allengers products with ASSURE Protocols are carefully crafted to protect users and patients from unwanted leakages in the X-Ray equipment.

ASSURE version mentioned is based upon highest configurations of safety standard protocols and is configuration dependant, which may vary for desired combinations.

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