

Allengers

Passion for excellence



EMPOWERING HEALTHCARE
THROUGH ENGINEERING EXCELLENCE



REFLECTION OF CUSTOMER'S TRUST IN BRAND ALLEGERS

70K+

Clients Served

80K+

Product Installations

100+

Countries Covered

ALLEGERS' ADVANTAGE ALL UNDER ONE ROOF

RADIOLOGY | ORTHO | SURGERY | CARDIOLOGY | NEUROLOGY | UROLOGY | HEALTHCARE SOFTWARE

MULTI PRODUCT BROCHURE

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One Stop Provider For Your Healthcare Needs

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ABOUT US

Since more than three decades, Allengers has been serving the medical world with its wide range of high quality, state-of-art medical devices and software from its headquarters based at Chandigarh.

Thanks to the trust and confidence of our valued customers, Allengers has emerged as a fine, world class company and a major force to reckon within the medical equipment field.

- We are best known in the industry for our excellent after sales services through a network of 43 sales and service centers in India and a wide overseas channel partner / service network.
- As per world renowned research organisation, Allengers enjoys the status of a Market Leader in India for Radiology and C-Arms with a market share of 33.8% and 50.1% respectively.
- The only Indian manufacturer of medical equipment having largest manufacturing set up in India, spread over an area of 1,00,000 sq. meters and further expanding.
- A global network of dealers and service personnel in more than 100 countries worldwide in the continents of Europe, Australia, Asia, Africa, South America, Middle East, Commonwealth Independent States (CIS).

ALLENGERS HAS MANY FIRSTS TO ITS CREDIT DUE TO ITS STRONG IN-HOUSE R&D

- First Indian company that launched an indigenous range of Cathlabs in 2004.
- First Indian company that launched mobile digital radiography system in 2011.
- First Indian company that launched battery powered mobile X-Ray machines.
- First Indian company that launched largest range of high frequency X-Ray machines (2.5 KW to 80 KW).

OUR SOLE MANTRA - PASSION FOR EXCELLENCE

"Passion for Excellence" in everything we do is the sole mantra for our perpetual growth. In a country where health is still not within the reach of many, Allengers has been continuously striving hard to provide value for money world-class products and services. Our sole aim is to ensure superb quality, greater access and affordable treatment for all.

ALLENGERS - AN INDIAN MNC.



OUR VISION

“To provide high quality **world-class medical equipments** at affordable prices & maintaining the highest level of customer satisfaction”

OUR MISSION

“Converting our **engineering excellence** into medical equipments for making the world a better place to live in”

OUR SERVICE MOTTO

“**Lightning response** with a solution”

**Maximise Your Performance
and**

**Enhance Your Healthcare Experience
with**

**Allengers Innovative, Vast & Versatile Range of
Medical Devices & Healthcare Software
(All Under One Roof)**

- Value for Money: Simple, Cost Effective But Efficient
- Exceptional Image Quality & User Friendly Features
- Robust & Aesthetically Designed For Productive Workflow
- Indigenous Products & Services
- Technology & Reliability: Perfectly Balanced

Because:

- When it comes from the house of Allengers you are SURE!
- We understand your concern!!



ASSURE PROTOCOLS

(Allengers Safety Standard for User from Radiation Emission)

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.

We have 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 is 'Allengers Safety Standard for User from Radiation Emission' assuring peace of mind for the user. We at Allengers wish to ASSURE you that we are doing the best possible to protect you from unwanted exposures.

Therefore ASSURE Protocol signifies:

- Assurance of radiation safety in Allengers' products.
- Assurance of high quality imaging at lowest possible dose.
- Assurance of almost zero leakage radiation.
- Assurance of lowest scattered dose.
- Assurance of comprehensive radiation safety.

It is our constant endeavour to become a benchmark in Radiation Safety in India.

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

Model : DIGIX FDX**Product :** Fixed Digital Radiography System (Ceiling Suspended)**Rating :** 65/80 KW (800 / 1000 mA)

ASSURE Ver. 9-17

Application : All general purpose digital radiographic procedures / exposures on a patient standing, lying on a table or sitting on a chair.**Features :**

- Single / dual detector system.
- Fully motorized 3D ceiling suspended stand with auto tracking facility synchronized with detector fitted inside the VBS and examination table.
- High resolution detector.
- Dedicated image acquisition software workstation.
- DICOM 3.0 compatible.

Models : MARS 50 - 80**Series :** DIGIX-CSA ADV / DIGIX-CSA**Product :** Fixed Digital Radiography System
(Ceiling Suspended)**Rating :** 50/65/80 KW (250 - 1000mA)**Application :** All general purpose digital radiographic procedures / exposures on a patient standing, lying on a table or sitting on a chair.

ASSURE Ver. 9-17

Features :

- Single / dual detector systems.
- Fully motorized 3D ceiling suspended stand with auto tracking facility synchronized with detector fitted inside the VBS and examination table.
- High resolution detector.
- **IntegraX** integrated system for exposure and image parameters control.
- Exposure without detector.
- DICOM 3.0 compatible.

Models : MARS 15 - 80

Series : DIGIX-U / DIGIX-U ADV

Product : Digital Radiography System
(Universal U-Arm type stand)

Rating : 15/30/40/50/65/80 KW (250 - 1000mA)

Application : All general purpose digital radiographic procedures / exposures on a patient standing, lying on a table or sitting on a chair.

Features :

- Single detector system embedded in U-Arm.
- Bucky is fitted with anti collision device to protect the detector assembly.
- Wired retractable cord remote control for movements operation.
- **IntegraX** integrated system for exposure & image parameters control.
- Mobile table (MobiT / MobiT4 / MobiT6).
- DICOM 3.0 compatible.
- UMC display on tube assembly in Digix-U Adv series only.



ASSURE Ver. 9-17

Models : MARS 15 - 80

Series : DIGIX ECO PLUS

Product : Digital Radiography System
(Ceiling Free)

Rating : 15/30/40/50/65/80 KW
(250 - 1000mA)

Application : All general purpose digital radiographic procedures / exposures on a patient standing, lying on a table or sitting on a chair (with manual maneuvering).



ASSURE Ver. 9-17

Features :

- **IntegraX** integrated system for exposure & image parameters control.
- Single Detector System : Detector stand with an integrated FPD to enable all types of radiographs with mobile table (MobiT / MobiT4 / MobiT6).
- DICOM 3.0 compatible.

Models : MARS 15 - 80

ASSURE Ver. 9-17

Features :

- **IntegraX** integrated system for exposure & image parameters control.
- Single / dual detector system.
- Fixed table (Floatex) (Optional: Floatex+ / Floatex XL).
- Vertical bucky stand.
- DICOM 3.0 compatible.

Models : MARS 15DR - 40DR**Series :** MOBILX DR**Product:** Digital Radiography System (Mobile)**Rating:** 15 / 20 / 32 / 40 KW (200 - 500 mA)**Application:** Battery powered instant imaging for trauma cases and bed side X-Rays.**Features :**

- Motor assisted noise free movements.
- 14" x 17" portable wi-fi FPD.
- User friendly touch screen operating console.
- Exposure without detector.
- Separate power pack for X-Ray generator, motor drive and console PC.
- **IntegraX** integrated system for exposure and image parameters control.
- ±270° tube arm column rotation.
- DICOM 3.0 compatible.

Product : Digital Radiography System
(Ceiling Free / Floor to Ceiling)**Rating :** 15/30/40/50/65/80 KW
(250 - 1000mA)**Application :** All general purpose digital radiographic procedures / exposures on a patient standing, lying on a table or sitting on a chair.

ASSURE Ver. 10-13

Models : MARS 6 / MARS 15DR**Series :** ROLLX DR**Product:** Digital Radiography System (Mobile)**Rating:** 6 / 15 KW (150 / 200 mA)**Application :** Instant imaging for trauma cases and bed side X-Rays.**Features :**

- Manual driven mobile DR system.
- 14" x 17" portable wi-fi FPD.
- User friendly touch screen operating console.
- *Integra X* integrated system for exposure and image parameters control.
- Operates on just 15 Amps / 230 Volt (single phase) standard wall socket.
- Exposure without detector.
- DICOM 3.0 compatible.



ASSURE Ver. 10-13

Model : MARS 4.2**Series :** LITEX DR / LITEX DR PP**Product:** Digital Radiography System (Mobile)**Rating:** 4.2 KW (110 mA)**Application :** Instant imaging for trauma cases and bed side X-Rays.**Features :**

- 110 KHz generator frequency.
- Laptop based image acquisition system.
- Can be used as Retrofit Kit.
- Compatible to use with any make machine.
- *Integra X* integrated system for exposure and imaging parameters.
- Compact and light weight design.
- 14" x 17" portable wi-fi FPD.
- Auto Exposure Detection (AED) - no interface required.
- LITEX DR PP : Power pack is available for exposures without main power supply (optional).



ASSURE Ver. 8-12

Model : MARS 6R

ASSURE Ver. 8-12

Series : LITEX DR / LITEX R DR**Product:** Digital Radiography System (Mobile)**Rating:** 6 KW (150 mA)**Application :** Instant imaging for trauma cases and bed side X-Rays.**Features:**

- 50 KHz generator frequency.
- Laptop based image acquisition system.
- Detector acquisition system can be used as Retrofit Kit and is compatible to use with any make X-Ray machine.
- *Integra X* integrated system for exposure and imaging parameters.
- Compact and Light weight design.
- 14" x 17" portable wi-fi FPD.
- Auto exposure detection (AED)- no interface required.
- Litex R DR has swivel $\pm 90^\circ$ tube arm rotation.

Model : Mars 2.5**Series :** PORTX DR**Product :** Portable HF X-Ray System**Application :** Ideal for bedside exams, emergency rooms, trauma units, intensive care facilities, road side trauma, nursing homes, etc.**Features :**

- Compatible with a Flat Panel Detector (FPD).
- In this the images can be sent to reporting workstation through internet.
- Ideal choice for remote locations and home care due to its hand held / portable design.
- Fully digital radiography X-Ray machine.
- Self diagnostics on panel.
- Produces excellent images in less than 5 seconds.
- APR feature allows the user to select the exposure parameters as per patient's anatomy.

SMART DR

Product : Allengers latest new generation DR Fixed Retrofit Kit (up-gradation of existing film / CR X-Ray equipment to FPD based DR system)

Application : Retrofit solution for all fixed X-Ray units.

Features :

- 17" x 17" (approx.) fixed FPD embedded inside detector stand for enhanced safety.
- Auto Exposure Detector (AED) no interface required.
- MobiT table (for lying positions) and detector stand (for standing positions).
- 19" size LCD TFT monitor.
- Proprietary Synergy DR software.
- High patient throughput as compared to conventional X-Ray systems.

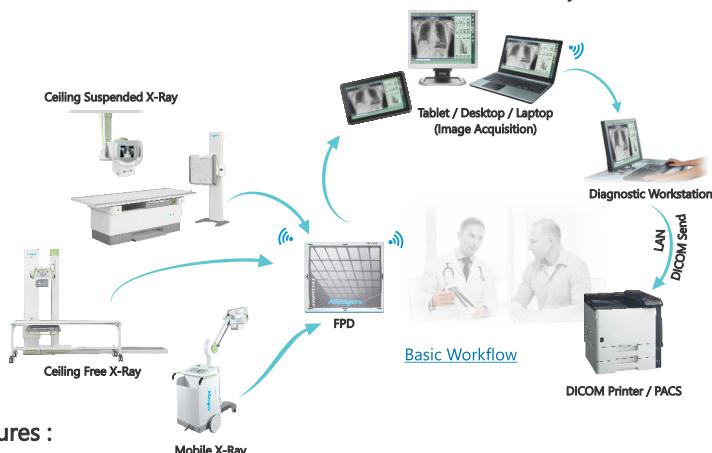


Detector Stand positioning for lying down, standing and sitting positions

FLY DR

Product : Allengers latest new generation DR Retrofit Kit

Application : Retrofit solution for all mobile and fixed X-Ray units.



Features :

- Wireless FPD.
- Desktop based Image acquisition system for single room use.
- Acquisition laptop in case of multi-room application and diagnostic workstation.
- Auto Exposure Detection (AED) - no interface required.
- Fast and wireless image transfer to PACS (optional).

Components of Fly DR

Models : MARS 65 / 80**Series :** ANGIOTAB 9030 DRF**Product :** Remote Controlled Digital Radiography and Fluoroscopy System**Rating :** 65/80 KW (800 / 1000 mA)**Application :** Remote controlled advance digital fluoro / radio procedures under special investigations.

ASSURE Ver. 14-21

Features :

- Motrized table tilt for ease of operation
- Digital spot.
- Dynamic FPD embedded inside table.
- Zero radiation to radiologist by providing complete remote controlled access.
- Head - to - toe coverage with remote and table side control.
- Digital work flow supporting HMS, PACS and Cloud Reporting
- Fully motorized movements.
- DSA package (Optional).
- Image stitching (Optional).
- Height adjustment of table (optional).
- DAP meter (Optional).
- DICOM 3.0 connectivity.

Models : MARS 15 - 80

Product : Fixed X-Ray System (RAD)

Rating : 15/30/40/50/65/80 KW
(250 - 1000 mA)

Application : Radiography.

Features :

- Horizontal / Floatex / Multipose table.
- Ceiling free / Ceiling Suspended / Floor to Ceiling stand.
- Compatible with various tables as per user intended application.
- VBS (optional).



ASSURE Ver. 7-13

Models : MARS 40 - 80

Product : Fixed X-Ray System (RAD / FLUORO)

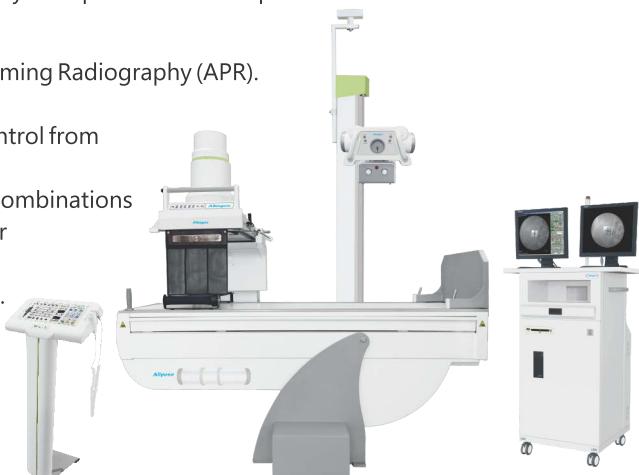
Rating : 40/50/65/80 KW (500 - 1000 mA)

Application : Radiography and specialized fluoro procedures.

Features :

- Anatomical Programming Radiography (APR).
- AEC (optional).
- Fluoro parameter control from SFD (model specific).
- Single/double tube combinations with image intensifier (model specific).
- Floor to ceiling stand.

RAD + FLUORO Combination



ASSURE Ver. 13-21

HF X-RAY

Models : MARS 4.2 SR / 6 SR

Series : LITEX

Product : Spring Balanced Mobile (SBM) X-Ray System

Rating : 4.2 / 6 KW (110 mA / 150 mA)

Application : General purpose radiographic procedures in wards for better out reach.

Features :

- Substantially lower exposure factors due to high frequency.
- Elimination of motion artifacts due to lower exposure time.
- Anatomical Programming Radiography (APR).
- Compact and light weight design.



ASSURE Ver. 6-10

Models : MARS 15 / 30

Product : Counter Balanced Mobile (CBM) X-Ray System

Rating : 15 / 30 KW (250 / 400 mA)



Application : General purpose radiographic procedures in wards for better out reach.

Features :

- Substantially lower exposure factors due to high frequency.
- Elimination of motion artifacts due to lower exposure time.
- Anatomical Programming Radiography (APR).
- Inbuilt capacitor bank for power storage.
- Inbuilt Power Pack for exposures without main supply - DUO PP series (optional).
- ±90° column rotation.

ASSURE Ver. 7-11

Models : MARS 15 / 30

Product : Spring Balanced Mobile (SBM) X-Ray System

Rating : 15 / 30 KW (250 / 400 mA)

Application : General purpose radiographic procedures in wards for better out reach.

Features :

- Substantially lower exposure factors due to high frequency.
- Elimination of motion artifacts due to lower exposure time.
- Anatomical Programming Radiography (APR).
- Inbuilt capacitor bank for power storage.
- Inbuilt Power Pack for exposures without main supply - DUO PP series (optional).
- Swivel $\pm 90^\circ$ tube arm rotation.



ASSURE Ver. 7-11

Model : MARS 2.5

Series : PORTX

Product : Portable HF X-Ray System

Rating : 2.5 KW

Application : General purpose radiographic procedures at point of care.

Features :

- Truly portable analog X-Ray machine.
- High frequency generator for human and veterinary application.
- APR feature allows the user to select the exposure parameters as per the patient's anatomy.
- Self diagnostics on panel.
- Soft touch keypad for parameters setting and alphanumeric display.
- Can be positioned on a sturdy and user friendly mobile stand (as per user intended applications).
- The machine is compatible to be connected with Retrofit Kit (Fly DR) for digital X-Ray imaging.



ASSURE Ver. 5

LF X-RAY

Models : Allengers 325R SR / 525R SR / 625

Product : Fixed X-Ray System (RAD)

Rating : 300/500/600 mA

Application :

General purpose
radiographic
procedures.

Features :

- Compatible with various tables as per user intended application.
- Digital display of KVP and mAs.
- Solid-state electronic timer.
- Electronic overload protection.
- Hand Switch with flexible long cord.



ASSURE Ver. 7-9

Model : Allengers 100 SR

Product : Counter Balanced Mobile (CBM)
X-Ray System

Rating : 100 mA

Application : General purpose radiographic procedures in wards.

Features :

- Articulated tube head arms.
- Film density control.
- Anatomical Programmed Radiography - APR (optional).



ASSURE Ver. 6

Model : MAM VENUS+

Series : FAIRY DR 3D

Product : Full Field Digital Mammography
with 3D Tomosynthesis

Rating : 5 KW

Application : Diagnostic Mammography Procedures for Breast Cancer Detection.

Features :

- Fully motorized Isocentric mammography system.
- 24 cm x 30 cm FPD with high DQE, spatial resolution and dynamic range.
- Smart AEC : Advanced breast density detection algorithm to achieve accurate exposure parameters.
- Dedicated mammography 2D / 3D workstation.
- Faster detection without traditional distortion and shadowing.
- Improved image for large dense breast tissue.
- Increased comfort of 2D and 3D imaging in single sitting.
- Digital stereotactic biopsy (optional).
- Exclusive wide angle tomo mode with acquisition angle $\pm 27^\circ$ (optional)



ASSURE Ver. 18-19

Model : MAM VENUS+

Series : FAIRY DR ADV

Product : Full Field Digital Mammography

Rating : 5 KW

Application : Diagnostic Mammography Procedures for Breast Cancer Detection.

Features :

- Fully motorized Isocentric mammography system.
- Auto release of compression after exposure.
- AEC with zero point exposure technique.
- *Integra X* integrated system for exposure and image parameters control.
- Automatic filter selection as per APR view.
- **Upgradable to 3D Tomosynthesis at site.**
- Digital stereotactic biopsy (optional).



ASSURE Ver. 18-19

MAMMO

Model : MAM VENUS / MAM VENUS+

Series : VENUS DRV / VENUS DRV+

Product: Full Field Digital Mammography

Rating : 3.5 KW / 5 KW

Application : Diagnostic mammography procedures for breast cancer detection.

Features :

- Economical solution in digital mammography.
- Full field digital mammography with FPD.
- Auto release of breast compression after exposure.
- AEC with zero point exposure technique.
- *IntegraX* integrated system for exposure and image parameters control.
- 3 MP medical display monitor.
- Additional reporting workstation (optional).



ASSURE Ver. 15-19

Model : MAM VENUS+

Series : FAIRY

Product : Mammography (Analog)

Rating : 5 KW

Application : Diagnostic mammography procedures for breast cancer detection.

Features :

- Fully motorized Isocentric mammography system.
- Automatic Exposure Control (AEC).
- Anatomical Programmed Radiography (APR).
- Auto release of breast after exposure.
- Pre-selectable compression force.



ASSURE Ver. 13-14

Model : MAM VENUS

Series : VENUS

Product : Mammography (Analog)

Rating : 3.5 KW

Application : Diagnostic mammography procedures in breast cancer detection.

Features :

- Digital display of compression parameters.
- Self diagnostic inter locks.
- Anatomical Programming Radiography (APR).
- Automatic Exposure Control (AEC).
- Auto release of breast after exposure.



ASSURE Ver. 9-11

RETROFIT KIT

Model : DIGI MAMMO RETROFIT KIT

Product :

Allengers latest new generation Mammo Retrofit Kit

Application :

Field upgradable to digital mammography

Features :

- It provides cost effective & reliable wireless retrofit solution to upgrade analog mammo system.
- Best replacement to CR system.
- Upgradable Kit to convert analog mammography into digital mammography.
- Cost effective design.
- Manual, AEC exposure techniques.
- Software image processing tool.
- Easy conversion to digital mammo without any major alterations to the existing mammography system.



MOBILE IMAGING SOLUTIONS

Drive to make a difference...

Healthcare is expanding beyond the boundaries of hospital's concrete environments through Mobile Vans/ Buses which are designed as self-contained imaging suites.

Advantages of a Mobile Imaging Suite (Mammography or X-Ray):

- Helps in reducing costs while maintaining state of the art facilities
- Has a far outreach to provide healthcare facilities where such facilities are not available.
- Mammography Mobile Vans: Making a positive impact in improving awareness and health by way of diagnosis in rural as well as in urban areas, thus resulting in increase of Mammography Screening.
- X-Ray / DR Vans: Making a positive impact during road side accidents as an "urgent point of care" solution to timely diagnose the extent of trauma.



Model : HF 59R

Series : DIGISCAN V20 / V30

Product : C-Arm with Flat Panel
Detector (FPD)
Embedded with DSA

Rating : 15 KW

Application : General vascular DSA,
peripheral DSA, pacemaker, gastro,
ortho, spinal / neuro, urology
procedures under fluoroscopy.



ASSURE Ver. 17-18

Features :

- Dynamic Flat Panel Detector (FPD) available in 21 cm x 21 cm and 30 cm x 30 cm size (as per user intended applications).
- Powered by Synergy FP-CR acquisition software.
- HMI - touch screen panel mounted on horizontal carriage.
- DSA package.

Model : HF 59R

Series : DIGISCAN S20 / S30

Product : C-Arm with Dynamic
Flat Panel Detector (FPD)

Rating : 6 KW

Application : For ortho, gastro,
spinal / neuro, urology, peripheral
DSA and pacemaker procedures
under fluoroscopy.



ASSURE Ver. 17-18

Features :

- Dynamic Flat Panel Detector (FPD) available in 21 cm x 21 cm and 30 cm x 30 cm size (as per user intended applications).
- Powered by Synergy FP-CR acquisition software.
- HMI - touch screen panel mounted on horizontal carriage.
- DSA package.
- *New digital "Feedforward" method of controlling the ABS is very efficient in reducing the exposure settling time. Correct dose levels are reached much faster than the conventional "Feedback" based ABS.
- *Metal Compensation : Real time image processing technique to improve the visibility of anatomy in presence of metal implants. This feature ignores the effect of metal implants while stabilizing the brightness of the image.

* These features are also available In Digiscan Compact

C-ARM

Model : HF 59 PLUS

Series : DIGISCAN COMPACT

Product : Compact High Frequency C-Arm with Flat Panel Detector (FPD)

Rating : 3.5 KW

Application : For multiple procedures like ortho, spinal / neuro, gastro, urology, etc. under fluoroscopy.

Features :

- Dynamic FPD available in 21 cm x 21 cm.
- Pulsed fluoro with variable FPS.
- Dose display on monitor.
- Laser centering device.
- Preview collimation.
- Ultra fast 'Digital' Automatic Brightness Stabilization (dABS).
- Selectable dose level.
- Digital spot.
- Dynamic Noise Filter (DNF).



ASSURE Ver. 17

Models : HF49 SR PLUS / HF49R SR

Series: IMAGE PLUS LDHD / IMAGE PLUS HD

Product: C-Arm with Image Intensifier (9")

Rating : 3.5 / 6 KW

Application : For extremities and advanced ortho, spinal / neuro, uro, gastro and pacemaker procedures under fluoroscopy.



ASSURE Ver. 9-12

Features :

- DigiMEM-LDHD / DigiMEM-HD memory having 1 no. 32" high resolution LCD monitor with split screen display mounted on open sleek trolley.
- Emergency exposure mode.
- Static beam collimator.

Optionals :

- Laser centering device.
- IRIS / Full parallel lead shutter collimator with rotation.
- Retractable cord with hand switch for fluoro exposures.

Model : Allengers PRIDE HP**Series:** PROXIMA CS**Product:** Ceiling Suspended Fixed Cathlab with Flat Panel Detector**Rating:** 100 KW**Application :** Interventional cardiovascular procedures, coronary artery disease, valvoplasty, vascular disease.**Features:**

- Detector size 20 x 20 cm / 30 x 30 cm.
- 1K x 1K / 1.5K x 1.5K resolution & High DQE value.
- 55" high resolution, high luminous coloured monitor with multiple display options / medical grade monitor.
- Distortion free imaging.
- Motorized rotation and up / down movement of detector.
- 100 KW dual invertor based generator.
- Liquid metal tube for toughest clinical demands.
- Online Digital Subtraction Angiography.
- 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.

CATHLAB

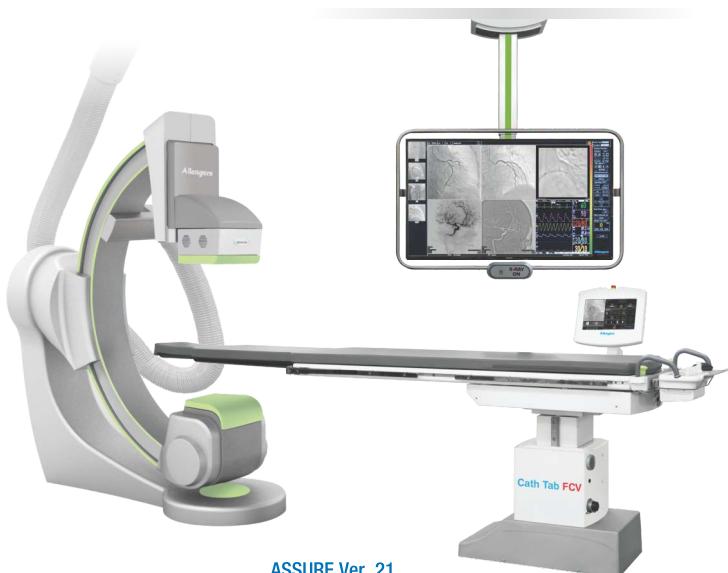
Model : Allengers PRIDE HP

Series : ALTIMA ADV

Product : Fixed Cathlab with FPD

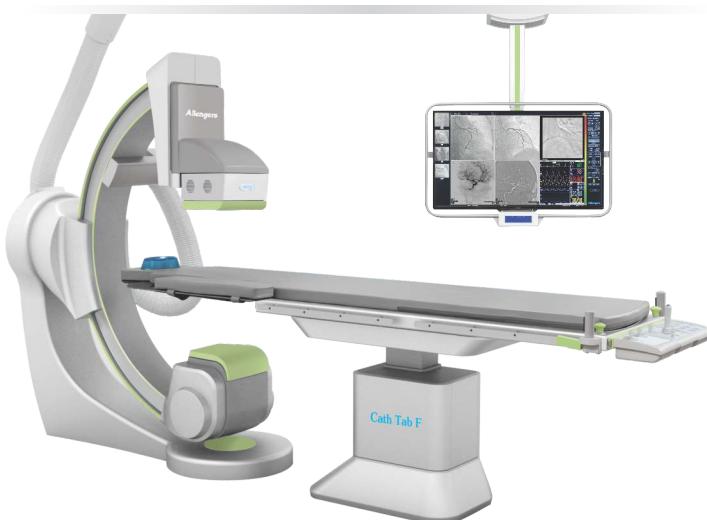
Rating : 100 KW

Application : Interventional cardiovascular procedures.



Features :

- Detector size 20 x 20 cm / 30 x 30 cm.
- 1K x 1K / 1.5K x 1.5K resolution & High DQE value.
- 55" high resolution, high luminous coloured monitor with multiple display options / medical grade monitor.
- Distortion free imaging.
- Motorized rotation and up / down movement of detector.
- Online Digital Subtraction Angiography.
- Rotational Angiography available.
- Stent view and Stent fade in fade out feature.
- Longer cathlab table for head to toe coverage.
- Integration / Interfacing of FFR / IVUS & OCT.
- QCA & QLVA

Model : Allengers PRIDE HP**Series :** ALTIMA F80 / ALTIMA F100**Product :** Fixed Cathlab with FPD**Rating :** 80 KW / 100 KW**Application :** Interventional cardiovascular procedures.

ASSURE Ver. 21

Features :

- Detector size 20 x 20 cm / 30 x 30 cm.
- 1K x 1K 1.5K x 1.5K resolution & high DQE value.
- 55" high resolution, high luminous coloured monitor with multiple display options.
- Distortion free imaging.
- Motorized rotation and up / down movement of detector.
- 80 KW / 100 KW dual invertor based generator.
- Liquid metal tube for toughest clinical demands (only for 100 KW).
- Online Digital Subtraction Angiography.
- ASSURE Protocols for radiation protection.
- Stent view.
- QCA & QLVA

CATHLAB

Model : Allengers LIFE HP / LIFE FP

Series : PHOTON F65 / PHOTON F80

Product : Mobile Cathlab with FPD

Rating : 65 KW / 80 KW

Application : Interventional cardiovascular procedures.



ASSURE Ver. 19-20

Features :

- Detector size 20 x 20 cm / 30 x 30 cm.
- 1Kx1K / 1.5Kx1.5K resolution, high DQE value.
- 55" high resolution, high luminous coloured monitor with multiple display options / medical grade monitor.
- Distortion free imaging.
- Motorized rotation and up / down movement of detector available.
- Rotational Angiography available.
- Online Digital Subtraction Angiography.
- Stent view (standard) and Stent fade (optional) in fade out feature.
- More angles in LAO / RAO (-120° to +120°).
- Longer cathlab table for head to toe coverage.
- Integration / Interfacing of FFR / IVUS & OCT.

Product : MULTI PARA MONITOR - BRIO

Application :

High end monitoring of vital parameters of patients.

Features :

- New 12" interactive touch screen high resolution color display with upto 12 waveform display.
- 1000 alarms snap shot storage of all parameters with zoom facility & transferring it with USB.
- 24 hr. full waveform disclosure storage of ECG, SPO2 with automatic replay option.
- Photo button option in review and on main display to capture the screen shots of live data.
- Software up-gradation at client site with USB.
- 20 days / 480 hours HR trends storage and HR graphical trends OxyCrg.
- Highlights out of limits values in trend table with respective color as of wave.
- Designed to support adult pediatric and neonatal patients.
- Heart rate variability analysis.
- Drug dose calculations.
- 1000 NIBP reading storage.
- Easily differentiate critical, intermediate and advisory alarms with different tone.
- Colour coded rectangle flash on screen for different alarms.



Product : MULTI PARA MONITOR - LIBRA-BR

Application : Monitoring of vital parameters of patients like ECG, NIBP, respiration and temperature.

Features :

- 12" screen which gives 12 channel high resolution wave forms.
- Direct Key operation for all important functions.
- ST analysis, networking capabilities and many other features.
- All ECG waveform display.
- Night mode for patient comfort and to enhance TFT life.
- 96 hrs. Graphical and tabular non-volatile trend storage.
- Standard parameters - 3/5 Lead ECG, NIBP, SPO2, Resp. and Temp.
- Arrhythmia detection with on screen message.
- Audio and visual alarms for vital signs.
- Adult, pediatric and neonate applications.
- Optional : Dual IBP, ETCO2, Thermal Printer, External VGA connectivity and Wired / Wireless CMS.



Product : MULTI PARA MONITOR - LIBRA

Application : Monitoring of vital parameters of patients like ECG, NIBP, respiration and temperature.

Features :

- 10.4" screen which gives 12 channel high resolution wave forms.
- Direct Key operation for all important functions.
- ST analysis, networking capabilities and many other features.
- All ECG waveform display.
- Night mode for patient comfort and to enhance TFT life.
- 96 hrs. Graphical and tabular non-volatile trend storage.
- Standard parameters - 3/5 Lead ECG, NIBP, SPO₂, Resp. and Temp.
- Arrhythmia detection with on screen message.
- Audio and visual alarms for vital signs.
- Adult, pediatric and neonate applications.
- Optional: Dual IBP, ETCO₂, Thermal Printer, External VGA connectivity and Wired / Wireless CMS.



TMT

Product : TREAD MILL TEST - GEMINI

Application : Diagnosis of heart abnormalities like blockage in artery with symptoms of angina pain.

Features :

- Dual working of acquisition box - stress ECG and resting ECG.
- User friendly software with editable protocols, online/PDF printing, RR analysis, PVC detection and many more features.
- Optional: Automatic NIBP measurement in a AM model.
- Unlimited numbers of protocols (standard and user defined).
- Online update allows user to download the latest software from Allengers server.
- Maintenance free 3 phase AC motor.



Product : ELECTROCARDIOGRAPH - PISCES (12 CH)

Application : Recording of electrical activity of heart.

Features :

- 7" color display with touch screen.
- On screen interpretation.
- 2000 patient recording capacity.
- Export the ECG raw data & also make ECG PDF, which help to send the data on mail via PC software.
- Directly attach with external USB printer for printing.
- Facility to update machine software in the field by connecting pen drive directly.
- Modes : Auto / Manual / Rhythm.
- A4 size thermal printer with Z fold paper.
- Highly informative print out on thermal paper with all 12 leads and one selectable rhythm lead, which helps in identification of any type of arrhythmia / abnormalities.
- Full alphanumeric keyboard with many short cut keys to open the various options.
- Other advanced features : multiple printing formats, display options and many other user friendly options.

**Product : ELECTROCARDIOGRAPH - PISCES (3/6 CH)**

Application : Recording of electrical activity of heart.

Features :

- Full interpretation.
- Export the ECG raw data & also make ECG PDF, which help to send the data on mail via PC software.
- 5" color display with touch screen, which provides better visibility.
- Storage of more than 2000 ECG which can replayed on screen and also get the printout with complete details of patient.
- Facility to update machine software in the field by connecting pen drive directly.
- Modes : Auto / Manual / Rhythm.
- Fully automatic, portable, sleek and light weight.
- Available in 3 x 4 + 1 Rhythm / 6 x 2 with 12 median printing format on 106 mm thermal paper.
- Alphanumeric keyboard with many short cut keys to open the various options.
- 12 leads simultaneous acquisition to get an accurate ECG on the screen which helps to check the quality before printing.
- Highly informative print out on thermal paper with all 12 leads and one selectable rhythm lead, which helps in identification of any type of arrhythmia / abnormalities.



HOLMIUM LASER

Product : HOLMIUM LASER - 100W (BLAZE-prime)

Application :

Advanced Short & Long Pulse Laser Technology with Turbo Cooling System and selective pulse duration for Lithotripsy, HoLEP, BPH Treatment, Tumor (Bladder, UUT), BNI & Strictures. BLAZE-prime has an Advanced long pulse laser with a super imposed modulated pulse to minimize retropulsion and enhanced the ablation rate.

Features :

- Optical power upto 100W. ■ 12" bright colour touch screen.
- Pulse energy 0.1 to 5J. ■ Pulse Frequency upto 80 Hz.
- Low maintenance and minimal operating costs.
- Selectable level for aiming beam and lasing sound.
- "Restoration" enables the surgeon to operate the patient on previously stored / saved settings, thus saving on crucial time needed to complete the procedure.
- Advanced dual inverter compressor based turbo cooling system to maintain the temperature.
- Selectable operative modes (Procedures) like Coagulation, Dusting, Fragmentation, Popcorn, Enucleation, and Hemostasis.
- Triple foot pedal:- Foot paddle 1 or foot paddle 2 can be suitably used for short pulse or long pulse independently or simultaneously & The standby / Ready Switch feature enables the user/doctor to have full control.



Product : HOLMIUM LASER - 65W (BLAZE-prime)

Application :

Advanced Short & Long Pulse Laser Technology with Turbo Cooling System and selective pulse duration for Lithotripsy, HoLEP, BPH Treatment, Tumor (Bladder, UUT), BNI & Strictures.

Features :

- Optical power upto 65W. ■ 12" bright colour touch screen.
- Pulse energy 0.1 to 5J. ■ Pulse Frequency upto 60 Hz.
- Low maintenance and minimal operating costs.
- Selectable level for aiming beam and lasing sound.
- "Restoration" enables the surgeon to operate the patient on previously stored / saved settings, thus saving on crucial time needed to complete the procedure.
- Advanced dual inverter compressor based turbo cooling system to maintain the temperature.
- Triple foot pedal:- Foot paddle 1 or foot paddle 2 can be suitably used for short pulse or long pulse independently or simultaneously & The standby / Ready Switch feature enables the user/doctor to have full control.
- Selectable operative modes(Procedures) like HoLEP, coagulation Dusting, and Fragmentation



HOLMIUM LASER

Product : HOLMIUM LASER - 35W (BLAZE)

Application : Able to fragment / dusting any composition, any size and any type of kidney stone. It comes with a large dynamic power range which makes procedures faster and more precise.

Features:

- Optical power upto 35W
- Green beam light for better visibility.
- Better dusting and fragmentation using long and short pulse respectively.
- Selectable operative mode(Procedure) like RIRS, URS, PCNL, Bladder, Popcorn, and Ablation.
- 7" bright colour touch screen.
- Pulse energy 0.1 to 5J.
- Pulse Frequency upto 30 Hz.
- Temperature controlled close water system with compressor base.
- Selectable level for aiming beam and lasing sound.



Product : HOLMIUM LASER - 30W (BLAZE)

Application : Able to fragment / dusting any composition, any size and any type of kidney stone.

Features:

- Optical power upto 30W
- Green beam light for better visibility.
- Better dusting and fragmentation using long and short pulse respectively.
- Selectable operative mode(Procedure) like RIRS, URS, PCNL, Bladder, Popcorn, and Ablation.
- 7" bright colour touch screen.
- Pulse energy 0.1 to 4J.
- Pulse Frequency upto 25 Hz.
- Temperature controlled close water system with compressor base.
- Selectable level for aiming beam and lasing sound.



Product : ELECTROENCEPHALOGRAPH - NEUROPLOT

Application : Recording and monitoring of electrical activities of brain and to investigate and locate seizure origin.

Features:

- 40 Channel EEG.
- Multiple sampling rate - 256, 512, 1024 Hz.
- 1920 x 1080 full HD display of EEG waveforms.
- 24 bit Analog to Digital Conversion (ADC).
- Power spectra and coherence.
- Irregular heart Beat analysis software.
- Bed side impedance with glowing LED on head box.
- Features like Amplitude Integrated EEG (AEEG), CSA/DSA frequency distribution, brain mapping etc.
- Facility to send EEG data through e-mail.
- Faulty electrode tester on head box.
- Printouts on A3 papers.
- Video recording of 2 camera's simultaneously (optional).
- Flexible photic stimulator based on high intensity LED's.
- Record and review EEG simultaneously and can write comments during review.



Product : ELECTROENCEPHALOGRAPH - VIRGO

Application : Recording and monitoring of electrical activities of brain and to investigate and locate seizure origin.

Features:

- 24 / 32 / 40 Channel EEG.
- Plug and play USB with portable EEG (no need of external supply).
- Light weight and compact amplifier with high quality of electrodes.
- Features like Amplitude Integrated EEG (AEEG), CSA/DSA frequency distribution, brain mapping etc.
- User editable unlimited numbers of montages.
- Facility to send EEG data through E-Mail and export in MATALAB/Lab view/media player format.
- Optional : Synchronized high-resolution MPEG-4 video with EEG recording.
- Optional : SPO2, HR and pleth recording facility.
- Optional : Battery, high end camera (pan, tilt & zoom).



Product : POLYSOMNOGRAPH - VIRGO-B-SL

Application : A sleep study system (sleep lab) to meet the needs for sleep and neurological diagnostic recording.

Features :

- 32/40 Channel PSG.
- C-PAP and BI-PAP interfacing for titration.
- Automatic detection of Apneas and Hypopneas.
- Option to convert the data in PDF or media player format for presentation.
- Sleep staging option for adult and pediatrics.
- Detailed report of Oximeter, HR, snoring and other movements.
- Synchronized high-resolution MPEG-4 video with PSG recording.
- Features like Amplitude Integrated EEG (AEEG), CSA/DSA frequency distribution, brain mapping etc.

Product : ELECTROMYOGRAPH - SCORPIO

Application : To find diseases that damage tissues, nerves or the junctions between nerves and muscles (neuromuscular junctions).

Features :

- 2/4 Channel EMG.
- Capable to perform EMG / EP / NCS / AUTONOMIC studies.
- Simultaneous display of 2/4 channel EMG acquisition.
- Salient features of shock simulator - current adjustment, start/stop, save, live/averaging.
- Latency / intensity graph.
- Work on all Microsoft windows platform.
- Export the data to MATLAB / LAB view.
- Digitally signed driver with lots of user editable or defined settings.

Product : HOSPITAL INFORMATION SYSTEM - CLARITY**For Hospitals | Clinics | Labs | Scan Centers**

ON-SITE | CLOUD

MOBILE APP  | 

- Centralized management of clinical, administrative & financial aspects of a healthcare organization
- Stunning, User friendly & Intuitive design
- Optimized decision making via real time analytics
- Available on LAN & Cloud (On Premise / SaaS)



OUR HEALTHCARE APPLICATIONS CAN BE INTEGRATED
TOGETHER TO FORM A DIGITAL ECOSYSTEM

PACS**Product : PICTURE ARCHIVING &
COMMUNICATION SYSTEM - Allen PACS**

ON-SITE ONLY

MOBILE APP  | 

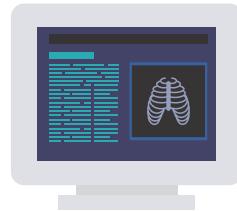
- Multi Modality Support (DICOM)
- Latest 2D & 3D tools for Image Viewing & Processing
- Studies shareable with external physicians (Tele Radiology)
- Detailed Reporting Module (All reporting stages)
- Optimum Image Quality & Speed
- MIS Statistics for Top Management
- Viewable on all PCs / Workstations / Tablets (All OS) (LAN & Internet)
- Multi Site Integration



Product : RADIOLOGY INFORMATION SYSTEM (RIS)

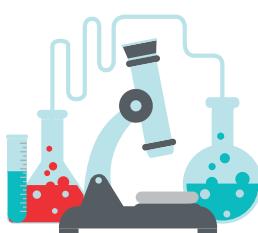
- Complete management of a radiology setup
- Automated patient data entry in modality worklist (MWL)
- Complete integration with PACS
- Patient billing, reports & statistics

ON-SITE | CLOUD

MOBILE APP  | **Product : LABORATORY INFORMATION SYSTEM (LIS)**

- Complete management of pathology setup
- Automated data entry & retrieval from lab analyzers (LISCOM)
- Auto notifications of test results to clients via SMS
- Patient billing, reports & statistics

ON-SITE | CLOUD

MOBILE APP  | **PATIENT PORTAL****Product : PATIENT PORTAL (Cloud)**

- Web portal for patients to access their medical reports (pathology etc) online
- Independent portal for each organization
- All medical reports / receipts saved in chronological order
- Provision to download, print & email medical reports

CLOUD ONLY





Where opinion and care matters...



A collection of case studies that offer an insight into the challenges doctors and other healthcare professionals have faced in their working lives

ABOUT MEDICASE BOX

Today in an era of fast information, social media has taken a centre-stage everywhere and thanks to advances in technology, there is always more to know and share.

Medicase Box a medical blog has been made to provide real life perspectives right from the source itself i.e The Doctors Room.

Here doctors/healthcare providers of various specializations like: Cardiology, Radio-diagnosis, Orthopaedics, Neurology, Urology etc. are sharing their insights, challenges, stories, wisdom, opinions, successes, expertise and their ups/downs in meeting the various challenges.

Medicase Box a blog is written by healthcare professionals for healthcare professionals.

AIM AND SCOPE

Medicase Box

- Invites the consultants to publish their valuable cases regarding the latest treatment methods of patient care.
- Attempts it's best to publish the variety of cases with clinical relevance.
- Doctors can also upload videos about their experiences, challenges they face while diagnosing and treating individual cases.
- Follows free access as a publishing model.
- This model provides immediate, barrier-free access to entire case / articles without requiring a subscription to the articles published.
- Published material is freely available to all interested online readers.
- Medicase Box is an efficient and user friendly web based platform, so no software installation is needed.
- The authors who publish in Medicase Box retain the copyright of their article.

Learning from medical cases provides valuable experience not only for clinicians, but also for students and paramedical staff members.

You can write to us at info@medicasebox.org mentioning your desire to be a part of Medicase Box. There after our technical team would arrange to register you as an esteemed member of the ever growing Medicase Box community.



Allengers

CARE FOUNDATION

Allengers Care Foundation, is an organization (NGO) created under the Allengers umbrella for actualizing the CSR objectives of the organization by way of regular contribution and welfare of the underprivileged sections of the society.



“ The best way
to find yourself
is to lose yourself
in the service of
others ”

Mahatma Gandhi





AWARDS & RECOGNITIONS



- Recipient of "**The First BIS Licence In The Country**" awarded on 14 October 2022 on the occasion of World Standards Day 2022, which is about sharing a vision for a better world.

- Recipient of "**Most Promising Company In Radiology & Imaging Devices Award**" for the year 2021 & 2022 (2 consecutive times) by MT India Healthcare.



- Recipient of "**Leadership Award 2016**" from ASSOCHAM.

- The only Indian medical equipment mfg. company bestowed with "**National Award - Quality Products**" from The Prime Minister of India on 1st March 2014.



Allengers with its focus on quality and customer support has been recipient of many awards.



- Recipient of "**Distinguished Entrepreneurship Award 2013**" from PHD CCI.



- The only Indian medical equipment mfg. company bestowed with "**National Award - Outstanding Entrepreneurship**" from The President of India in 2011.

- Recipient of "**EEPC Award - Export Excellence**" from 2010 (9 consecutive times).



- Recognized as "**Star Export House**" by Ministry of Commerce and Industry, Government of India.

ALLENGERS PRESENCE WORLDWIDE



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Quality, System and Safety Certifications



AERB APPROVED



BIS APPROVED



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