

Allengers

Passion for excellence

Quality, System and
Safety Certifications

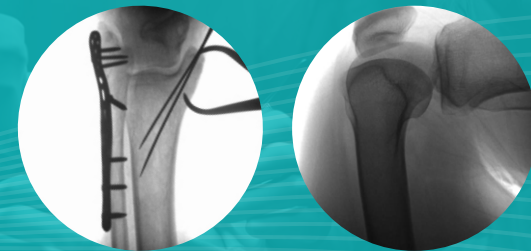


Rollscan^{adv} Series

C-Arm with Image Intensifier (I.I)



Technology
..... For Superb Imaging



Allengers
HF 59 Plus / HF 59R

About us

Welcome to the world of Allengers, a world that understands your needs, a world that actually cares. Allengers is the first C-Arm I.I.TV manufacturer in the country with over 15000 installations. We have taken into account the challenges faced by surgeons and evolved our products accordingly.

For the past 33 years, Allengers has always kept itself abreast with the advancements in technology. And by virtue of its in-house R&D / QC setups, it proudly introduces to you a advanced series like Rollscan.

ROLLSCAN ADV / HP ADV

Allengers Rollscan adv series of High Frequency C-Arms (HF 59 PLUS / 59R) are incorporated using the latest state-of-the-art "High Frequency Technology", in which there is minimal production of non useful / harmful X-Rays.

This microprocessor controlled C-Arm machine is tailor made by providing excellent image quality at low radiation, ideally suited for Ortho, Trauma, Neuro, Peripheral Angio, Gastro, Uro, Pain management applications apart from usual surgeries.

IN FLUOROSCOPIC INTRAOPERATIVE IMAGING YOUR C-ARM MATTERS

As a surgeon is extremely dependent on a most suitable diagnostic equipment, so choosing the right C-Arm system that can provide the best possible image while simultaneously improving doctor and patient comfort and safety is of utmost importance.

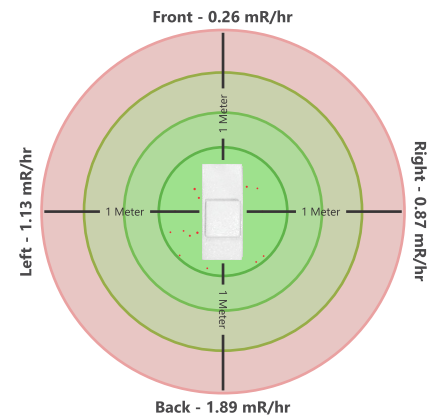
- Ease of use due to better maneuverability
- Highly adjustable for fast and easy positioning
- Convenient Image transfer
- Dose management without compromising image quality
- High resolution images

RADIATION LEAKAGE LEVEL AT 1M FROM FOCUS

Max. radiation scatter from our tube housing **1.89 mR/hr**

Max. radiation scatter allowed as per AERB **114 mR/hr**

98% lesser scatter radiation than permissible limit



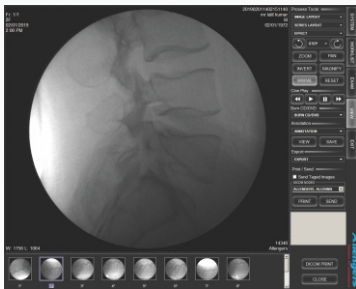
Graphical representation of our actual tube exposure levels.
Reference AERB QA test report

SUPERB DIGITAL IMAGING WITH REFINED POST PROCESSING FEATURES

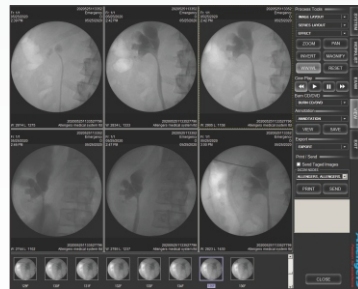
(with multiple image display options)

Explore the capabilities of Rollscan adv / HP adv from pre-operative to post-operative surgical procedures.

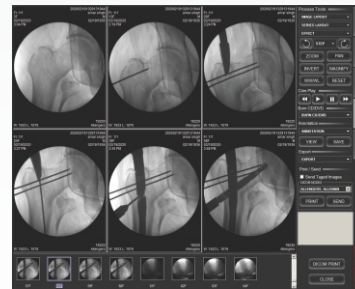
This system is capable of image acquisition and storing in different working programs. Post Processing of images is done with dedicated software and the system has a large accessible database which allows for the entry and retrieval of patient information along with description of examinations carried out.



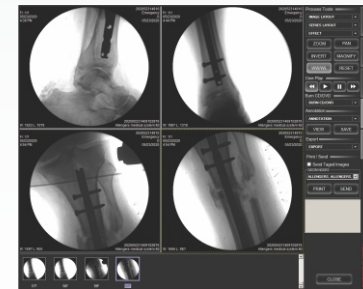
L. Spine Lat. View
(Mosaic View : 1 x 1)



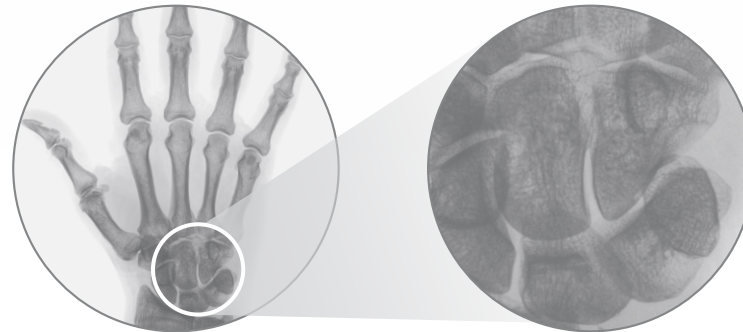
PCNL
(Mosaic View : 2 x 3)



Proximal Femoral Interlocking
(Mosaic View : 2 x 3)



Tibial IM Nailing
(Mosaic View : 2 x 2)



Wrist Zoomed View

A PERFECT DIGITAL IMAGING CHAIN

The Synergy C system which is entirely developed by Allengers Medical Systems Ltd., focuses on the Graphic User Interface (GUI) application of the equipment.

Imaging Camera
(1K x 1K)



Synergy C Memory
(1K x 1K)

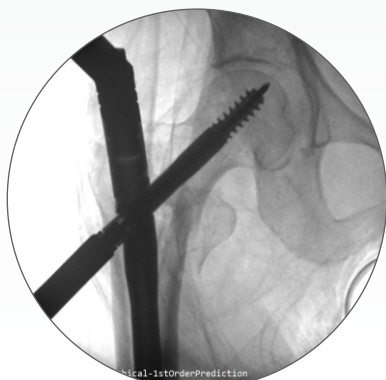


Display Monitor Screen
(1K x 1K)

PHOTO GALLERY OF CLINICAL IMAGES

As having a clear image of the procedure being performed is of the utmost importance for delivering successful outcomes, so Rollscan adv / HP adv does it all, which not only provides high resolution images in real time but also is most user friendly. Thus enhancing the technical proficiency of the surgeon as he can better interpret clinical studies with confidence.

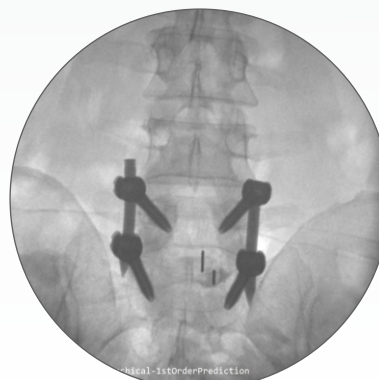
Rollscan adv / HP adv is dedicated to provide excellence in imaging during special procedures of Ortho, Trauma, Neuro, DSA, Gastro, Uro and other extremities.



Proximal Femoral Nailing



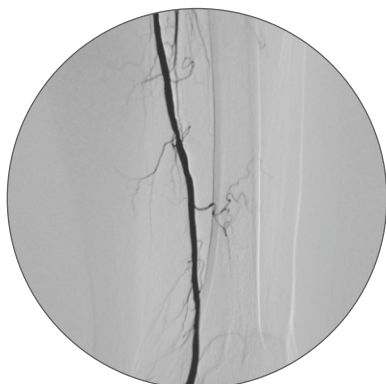
Tibial IM Fixation



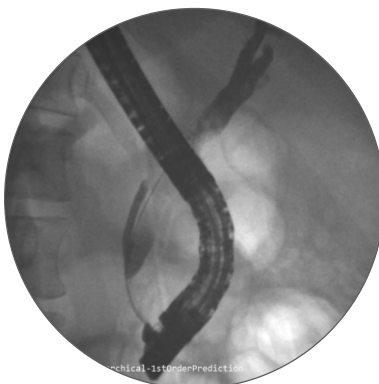
L-Spine Fixation



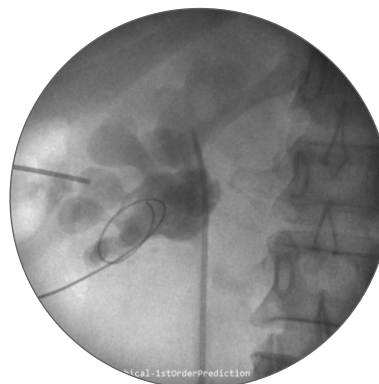
C-Spine Fixation



Peripheral Angio



ERCP



PCNL



URS

ENHANCING WORKFLOW IN THE OR

As a mobile C-arm I.I.TV system is used during surgery for image-guided interventions or minimally invasive procedures, so smooth workflow is of prime importance. The overall movements of the system like horizontal, vertical and around the swivel axis enables imaging of the patient from almost any angle.

ADVANCED FEATURES FOR ENHANCED WORKFLOW

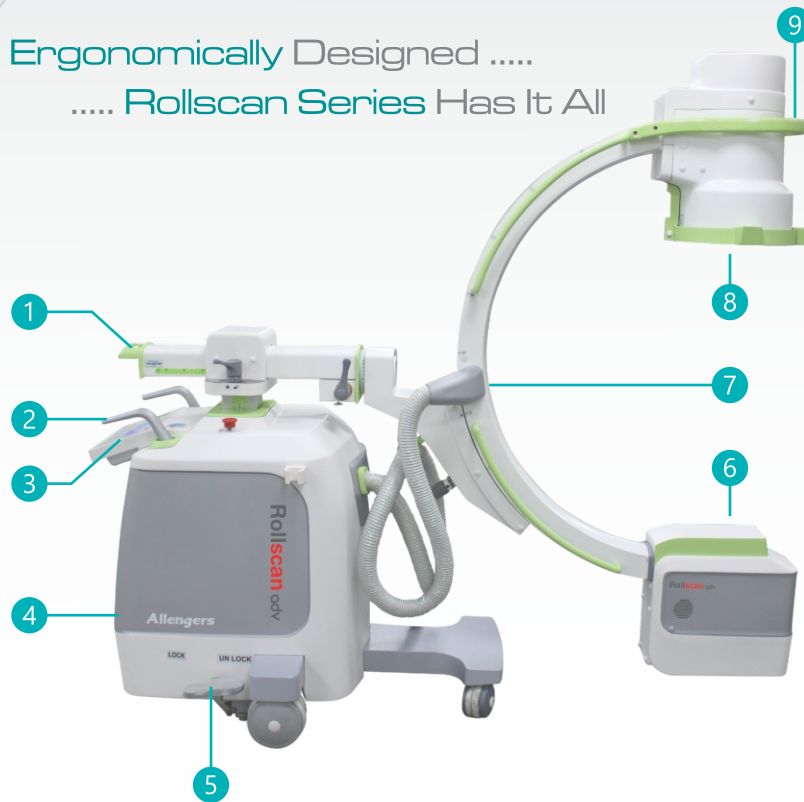
- Improved maneuverability due to lighter weight.
- Metal compensation in ABS mode for better image quality.
- Inbuilt electronic voltage stabilization.
- Improved image processing for low dose imaging.
- Improved high resolution digital camera.
- More ease of operation due to $\pm 90^\circ$ for diagonal scan.
- DSA package.

OTHER SALIENT FEATURES

- Powered by Synergy C software with 1K x 1K digital imaging system.
- Larger SID : Surgeons get more space and can easily perform the surgery.
- Actuator assisted C-Arm with 19" medical display monitors mounted on trolley.
- User selectable upto 30 fps.
- Laser centering device for exact evaluation of area of concern (control from I.I and control panel).
- Better compatibility with Lithotripters of different makes.
- In lateral views, patient positioning can be easily done.
- Dose display on monitor.
- DICOM 3.0 connectivity.



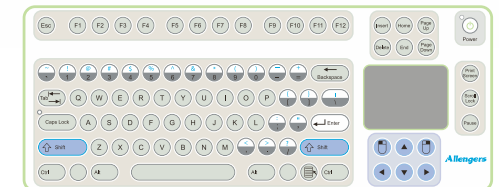
Ergonomically Designed
 Rollscan Series Has It All



1. Magnet release switch for carriage horizontal movement
2. Steering handle
3. Soft feather touch control panel
4. Control
5. Foot lock brake
6. X-Ray tube head
7. 'C' with larger SID
8. Image intensifier and camera with optics
9. Magnet release switch for carriage horizontal movement



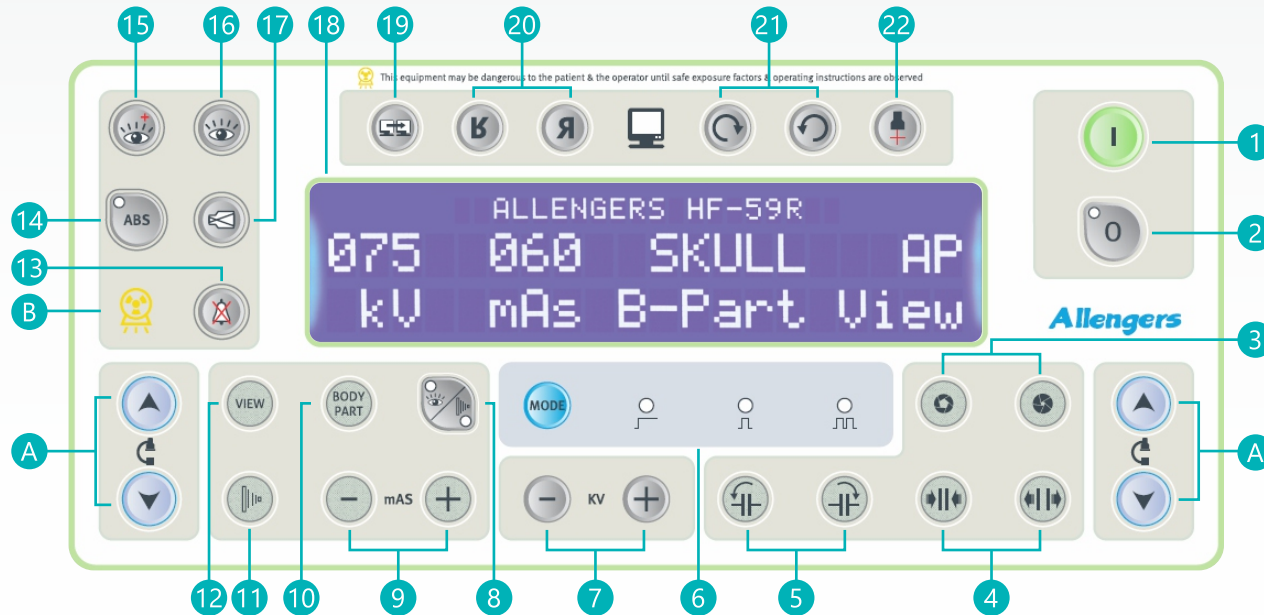
SPILL PROOF KEYBOARD
 +
 MOUSE



10. Exposure 'ON' indicator
11. Monitors
12. Key board
13. LAN port, DVD writer and USB port
14. Mobile trolley (with inbuilt UPS)

CONTROL PANEL

A compact, soft touch control panel having APR with LCD display on which KV, fluoro mA, radiography mAs, fluoro time, I.I Zoom, Error Interlocks for KV, filament and thermal overload are displayed on wide angle LCD. The control panel uses a Membrane Keyboard, which makes it easier to clean & disinfect.



- | | |
|--|--|
| 1. Machine 'ON' switch | 13. Buzzer alarm reset switch |
| 2. Machine 'OFF' switch | 14. ABS 'ON / OFF' switch |
| 3. Iris open / close switches | 15. Cine exposure switch |
| 4. Collimator parallel shutter open / close switches | 16. Fluoroscopy exposure switch |
| 5. Collimator shutter clockwise / anti-clockwise rotation switches | 17. I.I. zoom selection switch |
| 6. Fluoroscopy mode switches | 18. LCD display |
| 7. KV increase / decrease switches | 19. Image transfer switch |
| 8. Fluoro / Radio mode selection switch | 20. Image horizontal / vertical invert / flip switches |
| 9. mAs increase / decrease switches | 21. Clockwise / anti-clockwise image rotation switches |
| 10. Body part selection switch | 22. Laser light 'ON' switch |
| 11. Radiographic exposure switch | A. C-Arm up / down switches |
| 12. Exposure view selection switch | B. X-Ray 'ON' indicator |

MAJOR TECHNICAL SPECIFICATIONS*

Models	HF 59 PLUS	HF 59R	HF 59R
Series	Rollscan adv		Rollscan HP adv
X-Ray Generator	High frequency technology		
Output	3.5 KW	6 KW	15 KW
X-Ray Tube	Stationary Anode	Rotating Anode	
Tube Head	Monoblock		
X-Ray Tube Focal Spots	Dual		
Exposure Mode	Pulsed fluoro, pulsed cine and radiography		
Imaging Chain	Digital 1K x 1K		
Image Intensifier Tube with Power Supply Unit	9" Image Intensifier Triple field (9" / 6" / 4.5")		
Memory	Synergy - C		
Camera	High end 1K x 1K camera		
Collimator	IRIS with preview & full parallel shutter collimator		
Monitors	2 Nos. 19" medical display monitors mounted on trolley		
Power Supply Required	230 V, Single phase supply of 50/60 Hz frequency with line regulation of ±10%		

*These are broader specifications with highest certifications. The final product will be dispatched as per agreed terms in quotation.

A.S.S.U.R.E

(Allengers Safety Standard for User from Radiation Emission)

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

A.S.S.U.R.E version mentioned is based upon the ideal configurations and may change for desired models.

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Please visit www.allengers.com for more information



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