

# Elite / Infinity

The Digital C-Arm you need for  
Precision & Efficiency!



Introducing

# Elite / Infinity

With Touch Control Panel & Motorized Movements for Enhanced Clinical Workflow



Elite / Infinity

# Smart touch

Boost your productivity!



## Quintessential for a Hybrid OR

With Kiran Medical Systems, you get Innovative & Intuitive Imaging Systems that not only deliver exceptionally sharp images but improve overall operability.

Elite / Infinity is equipped with Flat Panel based Technology that provides uncompromised image quality with improved Dose Control. With Elite / Infinity, experience smoother workflow with Clinical Versatility.



### FLAT PANEL

21 x 21 Flat Panel Detector that enables better acquisition with direct conversion to image with curtailed conversion process that results in lesser data loss



### TOUCH CONTROL PANEL

A smart remote user interface with a large touch screen display and handy tab selection menu.



### MOTORIZED MOVEMENTS

Easy touch buttons for effortless maneuverability and precise positioning.



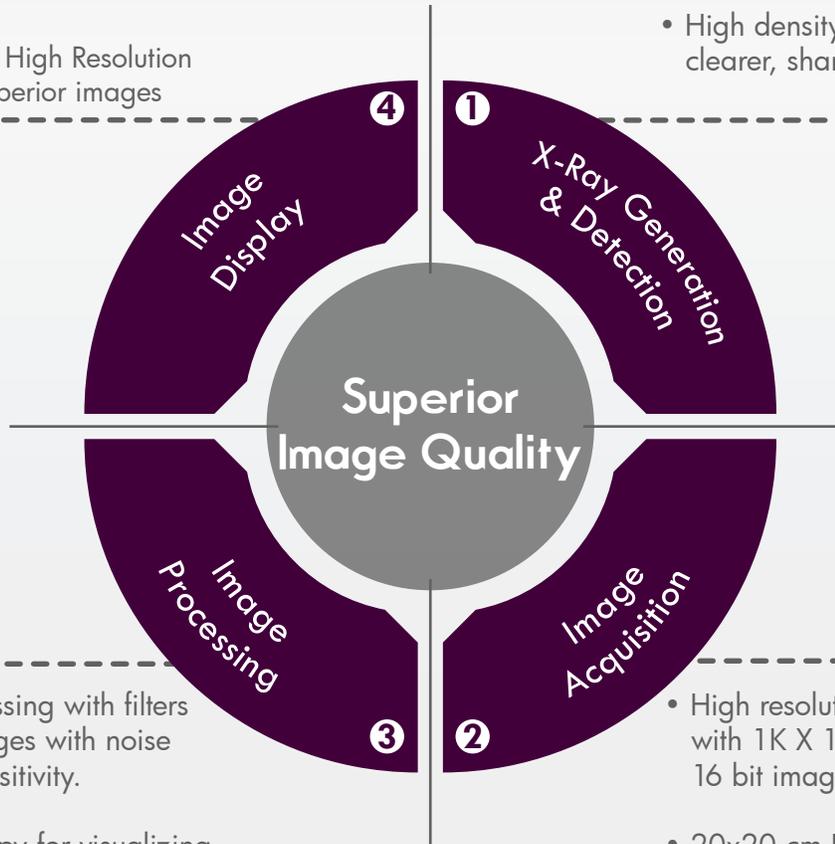
### EDGE TO EDGE

Uncompromised Image quality with Edge to Edge Visibility

# Superior Image Quality

- Delivers an image free of geometrical distortion and offers a higher grayscale resolution, making the various anatomical structures visible with greater accuracy.
- Dual 19 Inches High Resolution monitors for superior images

- World-Class 5 kW, 40 KHz X-Ray Generator (Max KV : 120 kV) with ABS for optimized dose
- High density anti-scatter grid for clearer, sharper images



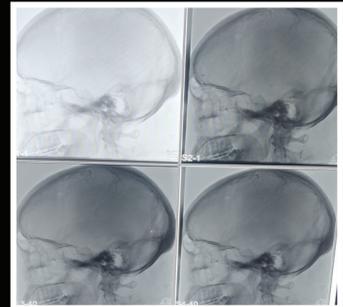
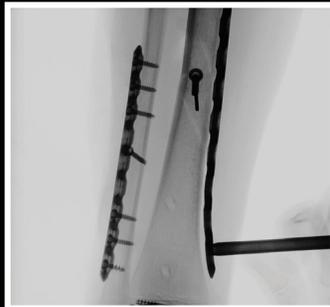
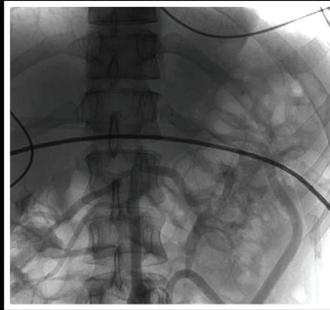
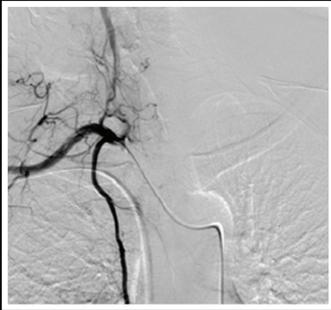
- Coherent image processing with filters that produce crisp images with noise reduction and high sensitivity.
- High contrast fluoroscopy for visualizing moving objects with live imaging without any delay
- Pre and Post process features for image rotation, horizontal and vertical mirror, zoom and invert

- High resolution digital image acquisition with 1K X 1K Flat Panel Detector with 16 bit image processing
- 20x20 cm Flat Panel Detector that enables better acquisition with direct conversion to image with curtailed conversion process that results in lesser data loss

# Wide Clinical Applications

- ✓ Wide Intraoperative imaging Applications in Orthopaedics, Trauma surgery, Urology, Pain management and peripheral vascular surgery.
- ✓ DSA - Digital Subtraction Angiography is used in Vascular diagnostics. It is very useful for the finding of blockage or aneurysm in arteries or veins. It helps the doctors to get useful image by subtracting all background from the main required image. The main use of it is in Peripheral and Neuro cases.
- ✓ Road Mapping Feature allows surgeons to find the path to reach the target location branches during the surgery.

## Extraordinary Image Quality



# Extraordinary Ergonomics

**Orbital Movement :** 125° orbital rotation  
**Free Space:** 780 mm  
**SID:** 980 mm



**Horizontal Movement:** 200 mm horizontal C-Arm run  
55° of **Overscan**



**Axial Rotation:** 270° on each side



**Wig Wag:** 12° on each side C-Arm swivelling



**Completely Motorized Movement**  
**Fully Balanced C-Arm with**  
**Electro-magnetic Lock Mechanism**  
**for individual locking of all movements**

Lightweight and compact workstation, assisting in clear communication.

21x21 Flat Panel Detector with excellent DQE

Touch Panel

Comfortable viewing of Images with extending, tilting and rotating monitor

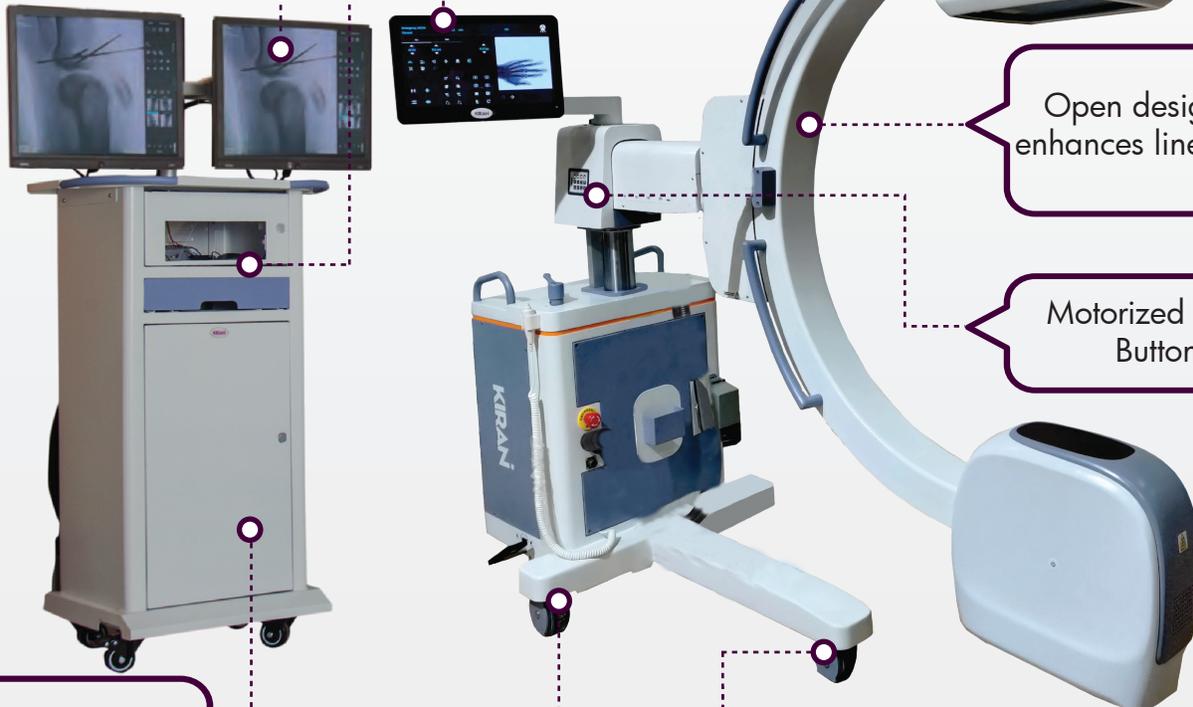
Open design that enhances line of sight

Motorized C-Arm Buttons

Storage bay for printer and accessories

Efficient foot brake to lock the wheel movement or steady positions.

Wheels – PU Wheels to reduce the noise and enable smooth movement on every type of hard surface, epoxy coated floor, matte finish floors.



# Streamlined Workflow



## Ease of Use

Advanced processor with Windows OS

User friendly Workstation interface for easy & faster workflow

ABS or ADRC mode enables to use the equipment in fully automatic mode

Semi Auto & Fully Auto mode for ease of operations and clear button indication

Radiography mode allows for Digital as well as Cassette exposure with wide range of factors

Rotating anode enables better Heat dissipation in the X-Ray Tube for increased throughput



## Comprehensive Image Management

Real time image rotation and Real time image capture

Recording of images as 'Last image saved' and Cine loop

Length and Angle stenosis measurement

Text annotation



## Efficient Storage

Storage of last hold image and cine loop  
permanent storage more than 1,00,000 images

USB memory stick and DVD writer support  
for image backup

DICOM option that enables transmitting,  
integration and sharing of data between  
different medical imaging devices

Printer connectivity with paper and film printers



## Advanced Connectivity

PACS

HIS RIS



## Flexible Power Management

Extra power for complex cases with Online UPS  
which keeps a steady and unchanged flow  
of power without need for power transfer switch.

Active cooling to prevent overheating during long  
procedures. External Fan is available to increase the  
cooling with Heat Sink to cool down the tube during surgery



## Optimized Radiation Dose

- Low dose fluoroscopy; getting optimal image with just the right dose.
- User friendly dose adjustment with Automatic parameter selection for best image with low dose and Manual dose reduction in low dose mode. Semi auto mode to select proper mA with less dose for better image quality.
- Radiation free positioning with the switch button on Control Panel.
- Dedicated function to reduce exposure for paediatric procedures. Low dose fluoroscopy mode by cutting down mA by half on all kV factors to reduce patient dose while maintaining excellent image quality.

## Reliable Service Support

- Well trained Service team to ensure your equipment uptime at optimal level
- Display for self-diagnostic maintenance & software for online support



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