

# RayNova MC

Mobile Flat Panel C-Arm



Beyond Boundaries in Healthcare:  
Pioneering the future with Medical Imaging

[www.kuanteng.com](http://www.kuanteng.com) [info@kuanteng.com](mailto:info@kuanteng.com)

**400-848-6088**

\* The actual product shall prevail. All pictures in this manual are for reference only. \*

## Beijing R&D Center/Production Base

Address: Unit 701, Building No.7, Yongchang Industrial Park, No.3, Yongchang North Road, Beijing Economic and Technological Development Zone, Beijing  
Tel.: +86-10-85718101  
Fax: +86-10-85718102

## Fuzhou R&D Center/Production Base

Address: 3rd Generation Semiconductor Digital Industrial Park, Xinyuan Road, High-tech District, Fuzhou, Fujian Province

## Henan R&D Center/Production Base

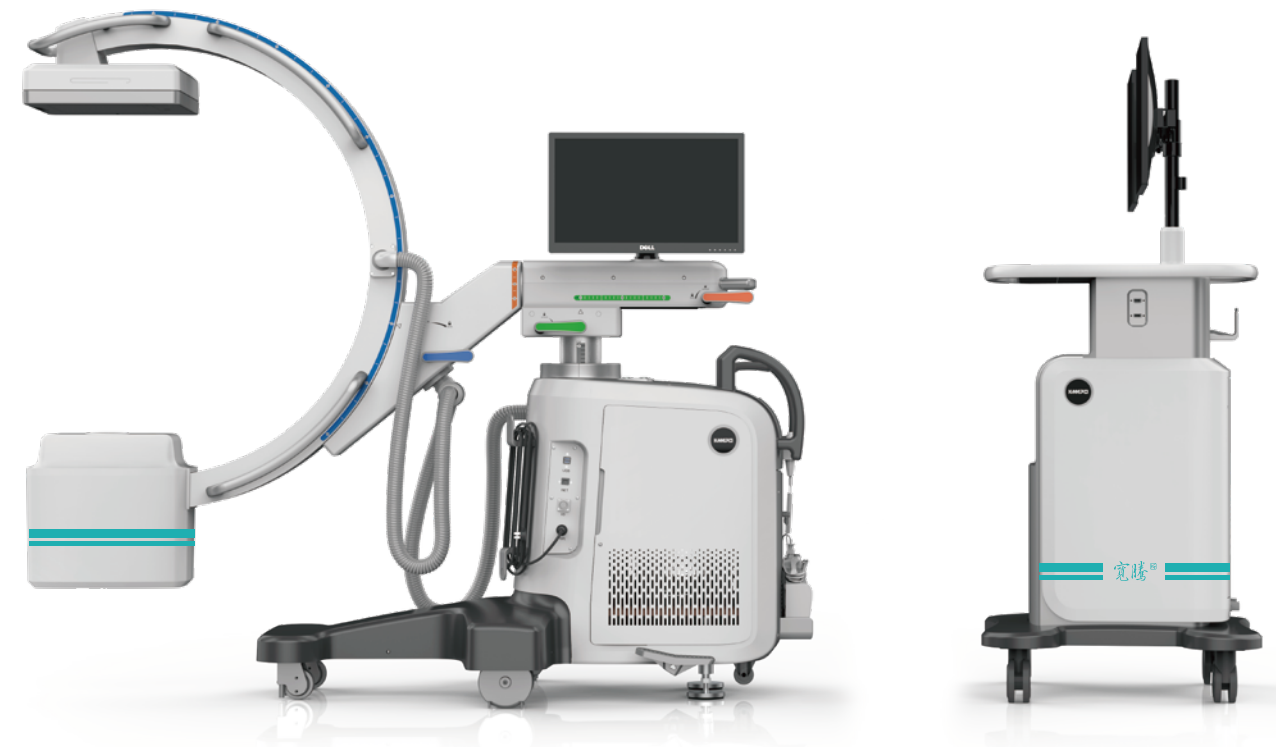
Address: No.18, North Side of Yudongnan Avenue, Yudongnan High-tech Industrial Development Zone, Huangchuan County, Xinyang City, Henan Province

## Liaoning R&D Center/Production Base

Address: Kuanteng Science & Technology Park, No.9, Yaodu Street, Economic and Technological Development Zone, Benxi, Liaoning  
Tel.: +86-24-45555355  
Fax: +86-24-45689287

## Anhui R&D Center/Production Base

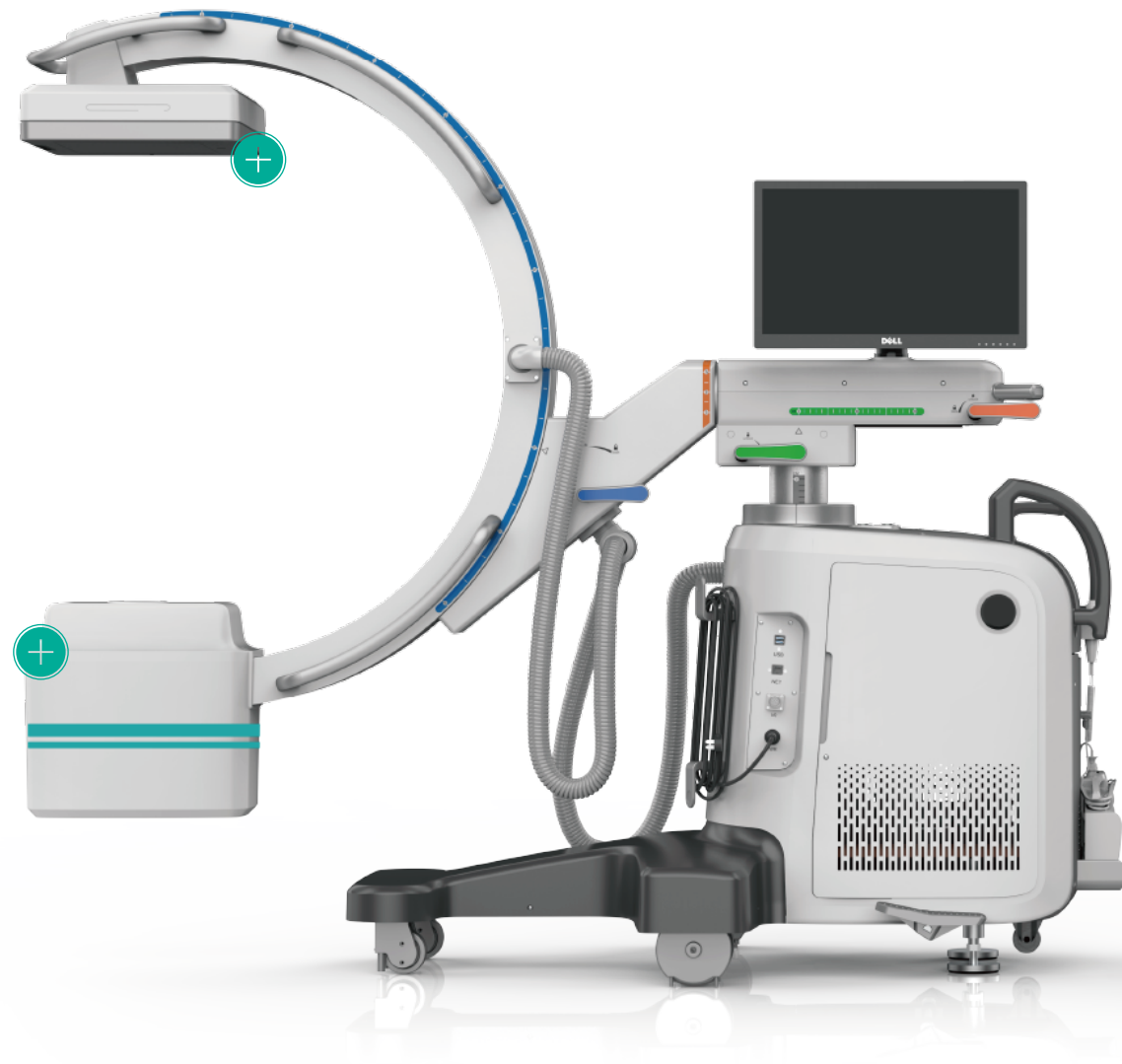
Address: Building No.4, Bengshan Intelligence Industrial Park, Yanshan Town, Bengshan District, Bengbu, Anhui Province



**宽腾**  **KUANTENG**

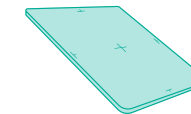
# Selected Efficient Image Chain System

Extremely Clear Details



## Self-developed high-power and high-quality X-ray acquisition and imaging device

- Fully self-developed 5KW-ray acquisition imaging devices provide full coverage of intraoperative imaging of all patient somatotype.
- 300W anode heat dissipation rate with 3000 rpm Ultra-high anode ensures continuous operation during continuous fluoroscopy acquisition of surgery.
- Small dual-focus design with free focus switching meets wider range of clinical requirements, and effectively addresses image contrast and sharpness issues.
- ABS automatic low dose exposure technology ensures image quality while delivering lower dose.
- 15-frame/sec low-dose pulsed fluoroscopy captures clear details in fast motion without missing anything.

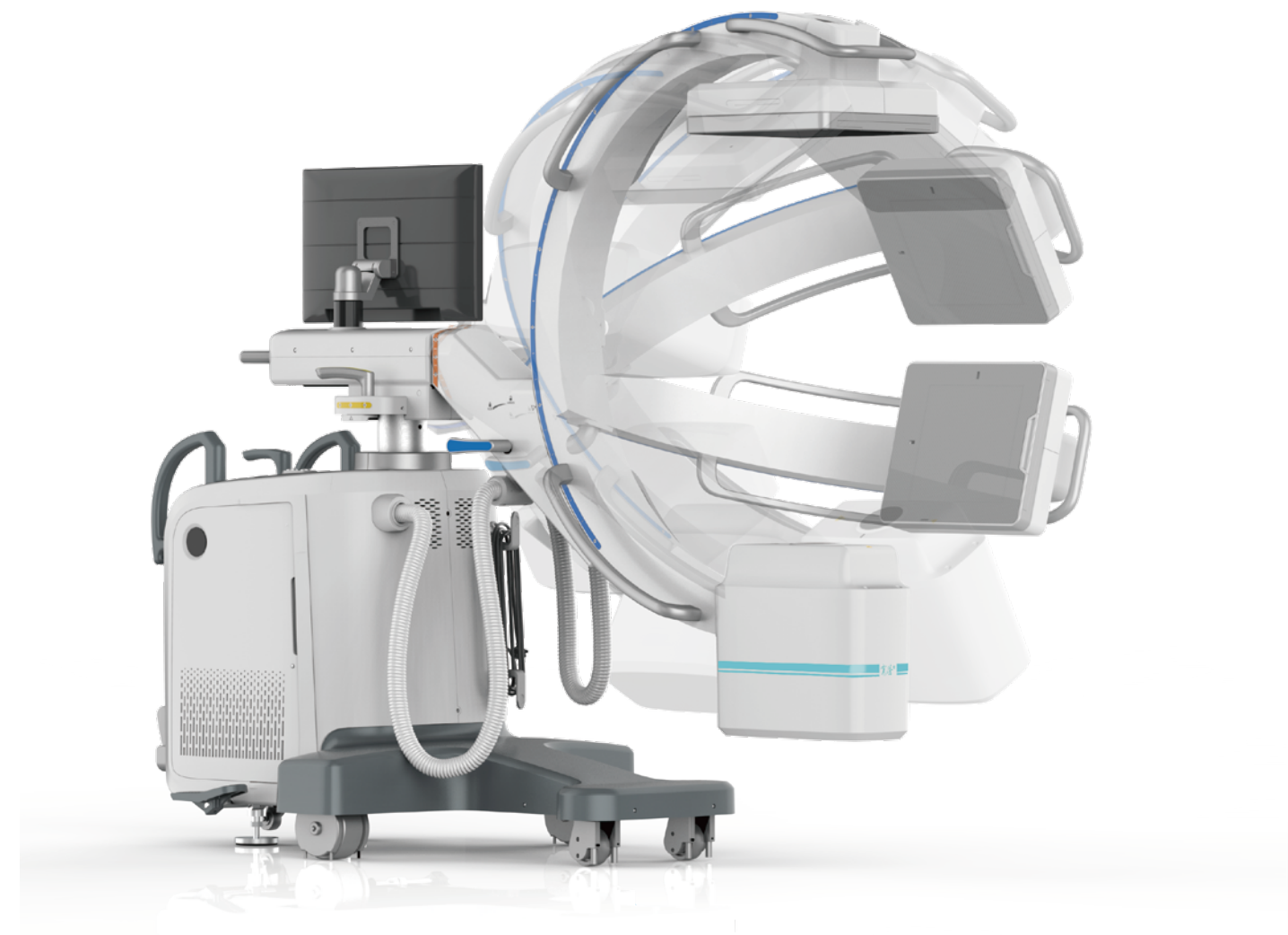
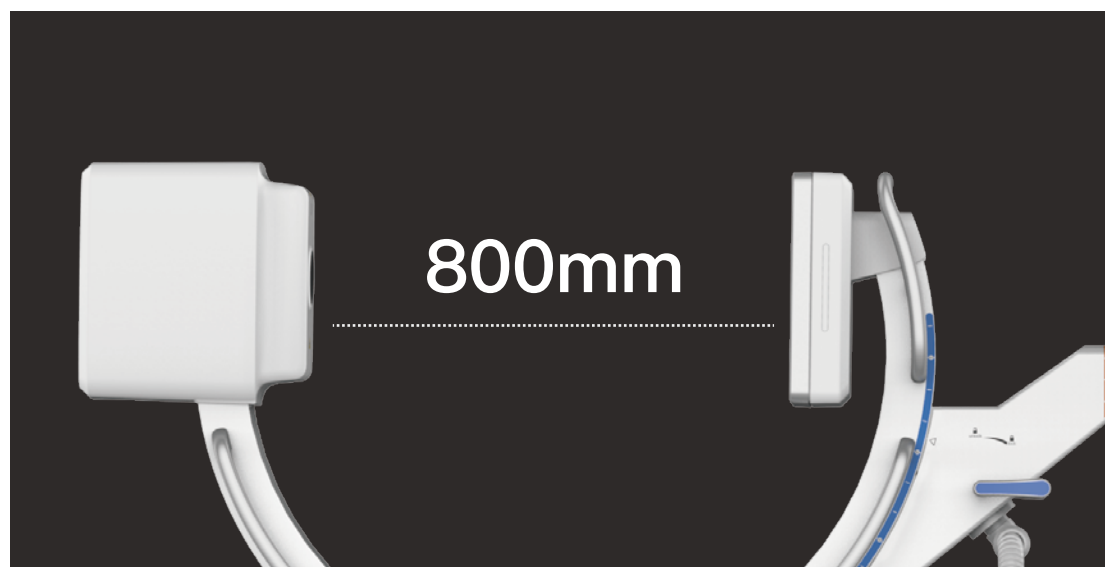
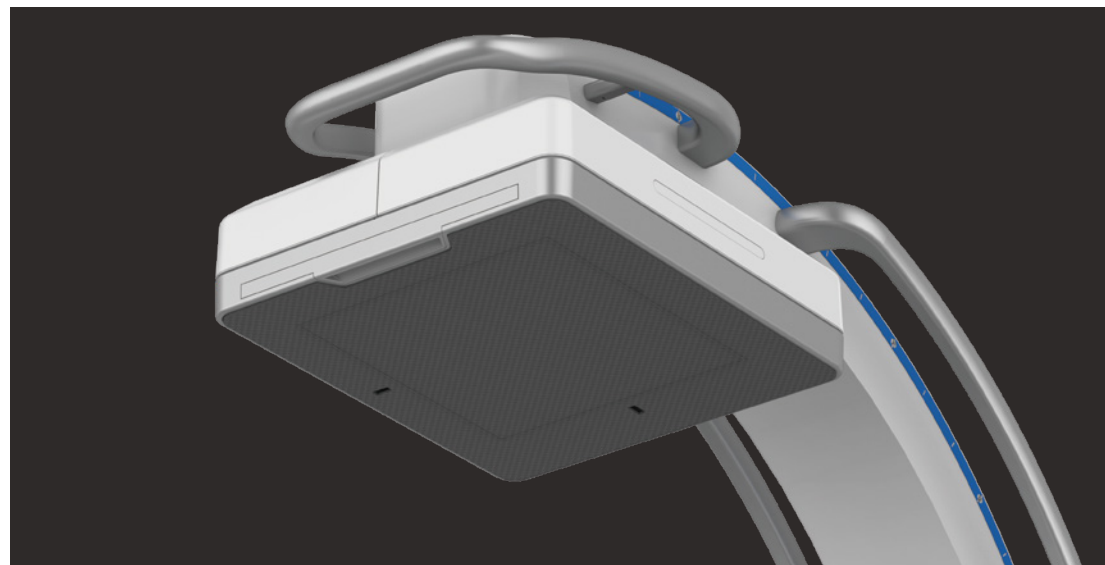


## Self-developed High-definition Dynamic Flat Detector

- Large dynamic flat technology allows easy identification of adjacent tissue cases during surgery; The imaging area of rectangular dynamic flat panel is larger than that of conventional image intensifier, and the images viewed in real time fundamentally eliminate image distortion and geometric distortion inherent in optical lenses.
- The dynamic flat panel can achieve a super-high collection rate of about 30 frames per second smoothly with no delay during fluoroscopy.
- The image is 205μm pixel in size within 16 bits image dynamic range, boasting rich image layer and fine image details.
- Direct-growth cesium iodide structure has ultra-high DQE that more image details can be presented with fewer arrays of rays while minimizing noise.



## Focused on Intelligent Concept Devoted to Humanized Design



### Ergonomic C-Arm Mechanical Structure

- The RayNova C-arm mechanical system incorporates the ergonomic concept into the curve, angle, and height of each operating handle of the machine.
- The machine has a high precision adjustable counterweight system to ensure a balanced and smooth overall movement.
- The five-dimensional space motion can be used for full-angle shots.
- The smooth bearing technology reduces motion friction of the whole machine, and the precise bearing technology minimizes motion noise.
- The large 800mm opening design of the C-arm provides excellent intraoperative field of view for easier surgical operation, while meeting the surgical needs of all patient somatotype as well.
- The all-in-one design is cleaner and tidier, not only solving the problem of disorganized wiring in traditional C-arm models, but also effectively addressing the issue of random shifting or collision of the traditional C-arm stand-alone workstation.



# Technology Perfects Details

Color-coded Design for Each Motion Axis of the Machine



Dual Display Extension Cart



- One-key Start
- Output Status Display Light
- Instant Heat Capacity Display
- UPS Blackout Proof Endurance

# Professional Medical Workstations Built with Ingenuity



## Windows Operating System

The Windows OS-based medical image acquisition and processing workstation is the highest level of technology, stability and productivity available. The powerful hardware configurations meet the demands for large data volumes and high performance during acquisition.



## Rich Clinical Application Software

The software contains a wide range of image processing and management functions, including advanced processing functions to optimize the processing of acquired images.

