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# Z-MOTION

## UNIVERSAL DIAGNOSTIC X-RAY SYSTEM



# A UNIVERSAL DIAGNOSTIC SUITE THAT MEETS ALL YOUR NEEDS

- Single detector general purpose radiographic system
- Preset positions for fast and convenient workflow
- Extra-wide (100-200 cm) SID range
- Auto-stitching for full-spine or full-leg procedures
- Advanced anti-collision features
- Suite of accessories including mobile Z-Table and Stitching stand

- ✓ **FULLY MOTORIZED**
- ✓ **MANUAL OVERRIDE**
- ✓ **PRESET POSITIONS**
- ✓ **AUTO-STITCHING**



PERFORMANCE



COMPACT DESIGN



SAFETY



MULTIPURPOSE

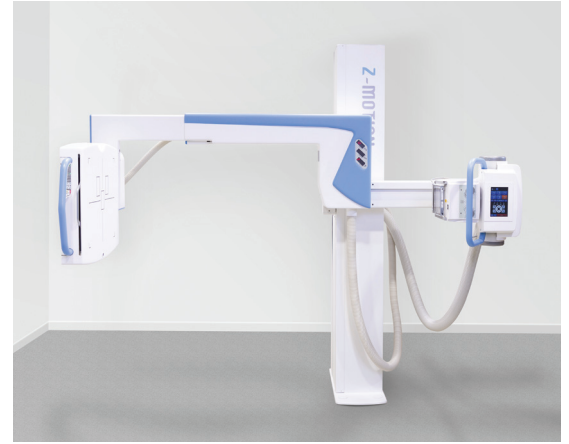
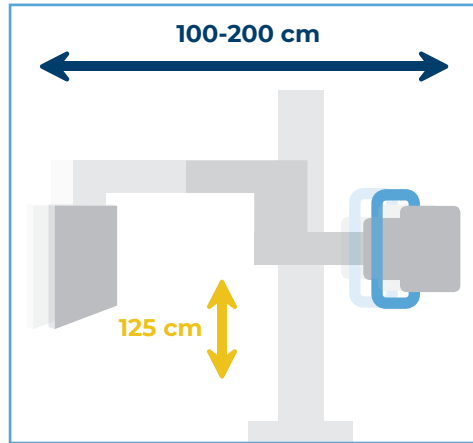


► This brochure features both standard and optional elements.

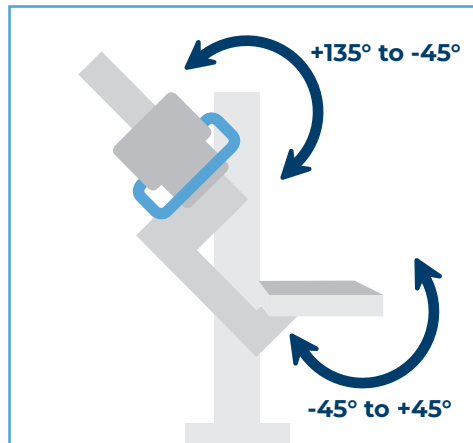


# FEATURES TO INCREASE PATIENT THROUGHPUT, CHOICE OF STUDIES AND OPERATOR COMFORT

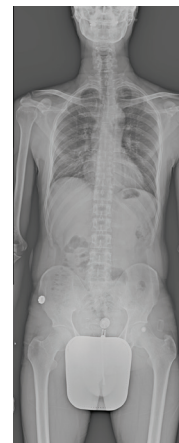
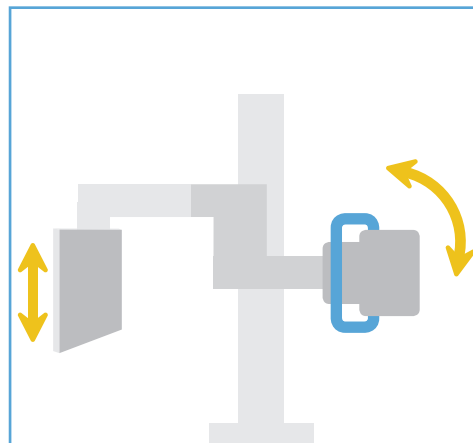
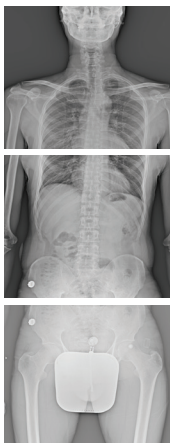
## BEST-IN-CLASS SID RANGE



## OBLIQUE STUDIES IN 180° RANGE



## AUTO-STITCHING FOR FULL-SPINE OR FULL-LEG PROCEDURES - CONSTANT FOCUS POINT (2 OR 3 FRAMES)





## STITCHING STAND

- Reduced patient movement for optimal image quality
- High patient comfort and safety
- Adjustable handles
- Easily maneuverable on 4 castors

## TOUCHSCREEN CONSOLE AND TUBE ASSEMBLY

- User programmable preset positions
- Automatic landscape/portrait view
- Access to stitching workflow
- Optional motorized collimator
- Rotating tube assembly (180°) for flexible positioning

## FULLY COUNTERBALANCED CONSTRUCTION

- Quick and easy manual positioning
- Low impact motors for maximum patient safety
- Proximity sensors to prevent collision



## FULL-FUNCTION REMOTE CONTROL

- Bluetooth wireless operation
- Access to all motorized functions of the system

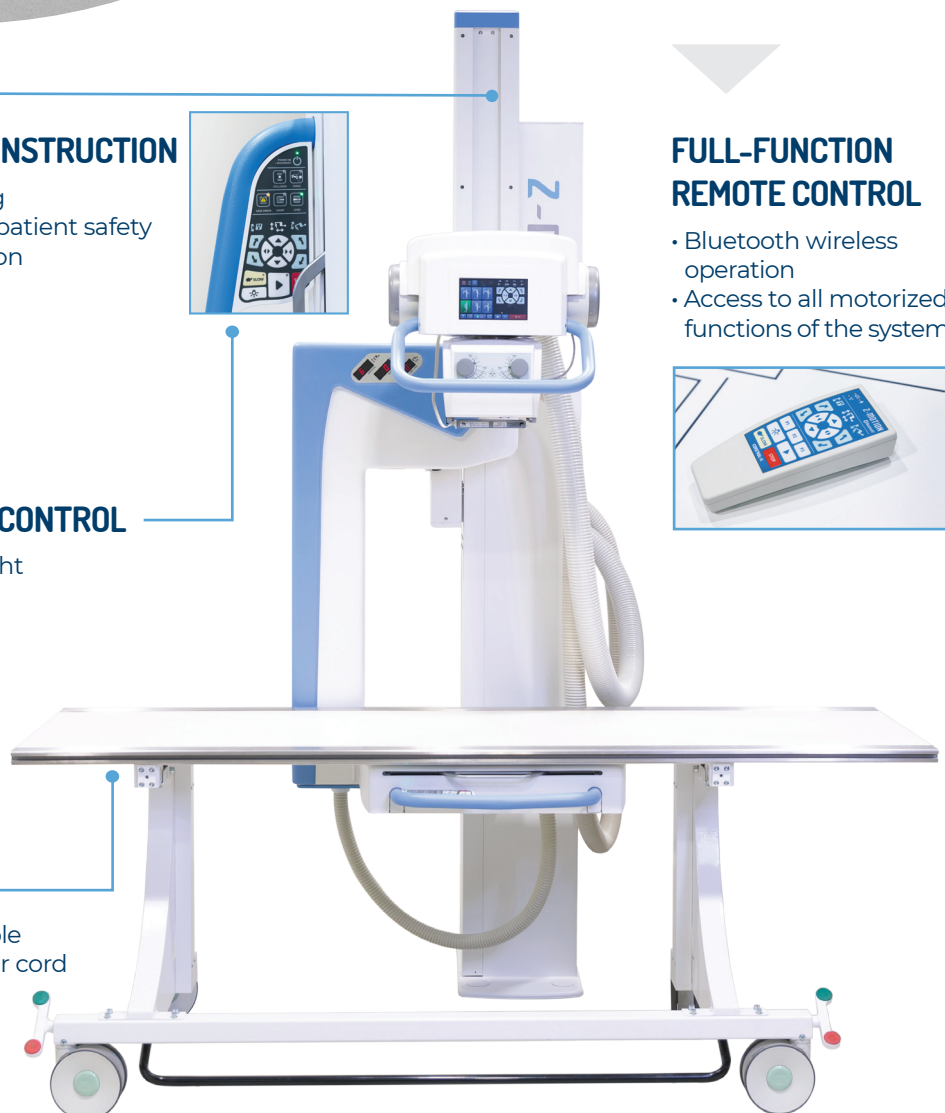


## DETECTOR-SIDE HANDLE AND CONTROL

- Precise adjustment to patient height
- Remote collimator light switch
- System status displays
- Configurable brake release switch

## Z-TABLE

- Portable four-way radiographic table
- Mechanical brake release, no power cord
- Optimal for lateral exposures with short SID
- Large castors for easy maneuverability



# SPECIFICATIONS

## Z-MOTION MOTORIZED STAND

|                           |                                                              |
|---------------------------|--------------------------------------------------------------|
| Motorized movements       | 4 movements with electric brakes and clutches                |
| Vertical motion range     | 125 cm (49 1/4") (motorized and manual)                      |
| Adjustable SID            | 100 to 200 cm (39 1/2" to 78 3/4") (motorized and manual)    |
| Arm rotation              | -45° to +135° (motorized and manual)                         |
| Detector tilt             | -45° to +45° (motorized)                                     |
| X-ray tube rotation       | 180° (non-motorized)                                         |
| Manual movement           | Counterbalanced horizontal, vertical and rotational movement |
| Tube-side control         | 7" LCD screen with automatic image rotation                  |
| Remote control (optional) | Wireless                                                     |

## FOUR-WAY FLOATING TOP Z-TABLE (OPTIONAL)

## HIGH FREQUENCY GENERATOR

|                              |                                |                                                          |                         |
|------------------------------|--------------------------------|----------------------------------------------------------|-------------------------|
| Tabletop size                | 200 cm x 66 cm (78 3/4" x 26") | Output Power                                             | 32, 40, 50, 65 or 80 kW |
| Fixed tabletop height        | 76 cm (30")                    | mA Range                                                 | 10-1000 mA              |
| Tabletop longitudinal travel | +/- 35 cm (13 3/4")            | kVp Range                                                | 40-150 kV               |
| Tabletop lateral travel      | +/- 13,4 cm (5 1/4")           | mAs Range                                                | 0.1-800 mAs             |
| Patient load                 | Max. 150 kg (330 lb.)          | Stored energy generators are available up to 50 kW power |                         |

## X-RAY TUBE

## COLLIMATOR

|                                                        |                                                          |
|--------------------------------------------------------|----------------------------------------------------------|
| 300 kHU 0.6-1.2 mm focal spots (other tubes available) | Manual (optional automatic), Laser Guided LED collimator |
|--------------------------------------------------------|----------------------------------------------------------|

## DIGITAL DETECTORS

|                  |                                                                                                      |
|------------------|------------------------------------------------------------------------------------------------------|
| Detector options | 43x43 cm (17"x17") or 35x43 cm (14"x17") fixed or wireless panels with various resolutions available |
|------------------|------------------------------------------------------------------------------------------------------|

## SYSTEM FOOTPRINT

|                                                        |                                                 |
|--------------------------------------------------------|-------------------------------------------------|
| Minimum floor space (W x D) without portable table     | 265 cm x 150 cm (4 m²)<br>8'8"x5' (43 ft²)      |
| Minimum floor space (W x D) with portable table        | 265 cm x 265 cm (7 m²)<br>8'8"x8'8" (75 ft²)    |
| Recommended floor space (W x D) without portable table | 300 cm x 220 cm (6,6 m²)<br>9'10"x7'3" (71 ft²) |
| Recommended floor space (W x D) with portable table    | 300 cm x 400 cm (12 m²)<br>9'10"x13' (130 ft²)  |
| Ceiling height requirement                             | 240 cm (7' 10 1/2")                             |

## POWER REQUIREMENTS (SYSTEM)

|                                                                              |                                                                                         |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Input Line Voltage<br>(Your input line properties may limit generator power) | 1x230V (15A) for stored energy generators<br>3x230V / 3x400V for three-phase generators |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|

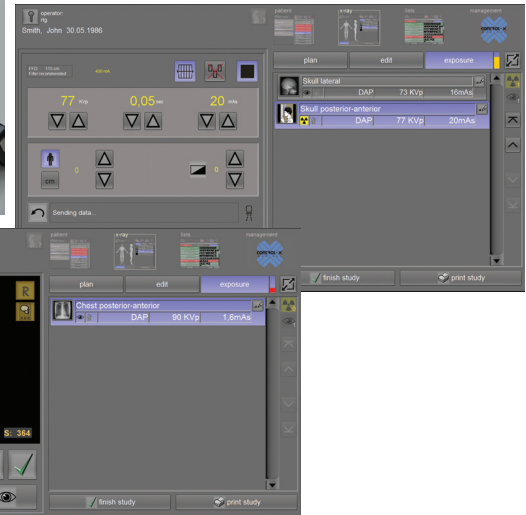
## INTEGRATED GENERATOR CONTROL AND IMAGE ACQUISITION

Single console seamless workflow:

- Full DICOM compatibility
- Integrated DAP reporting

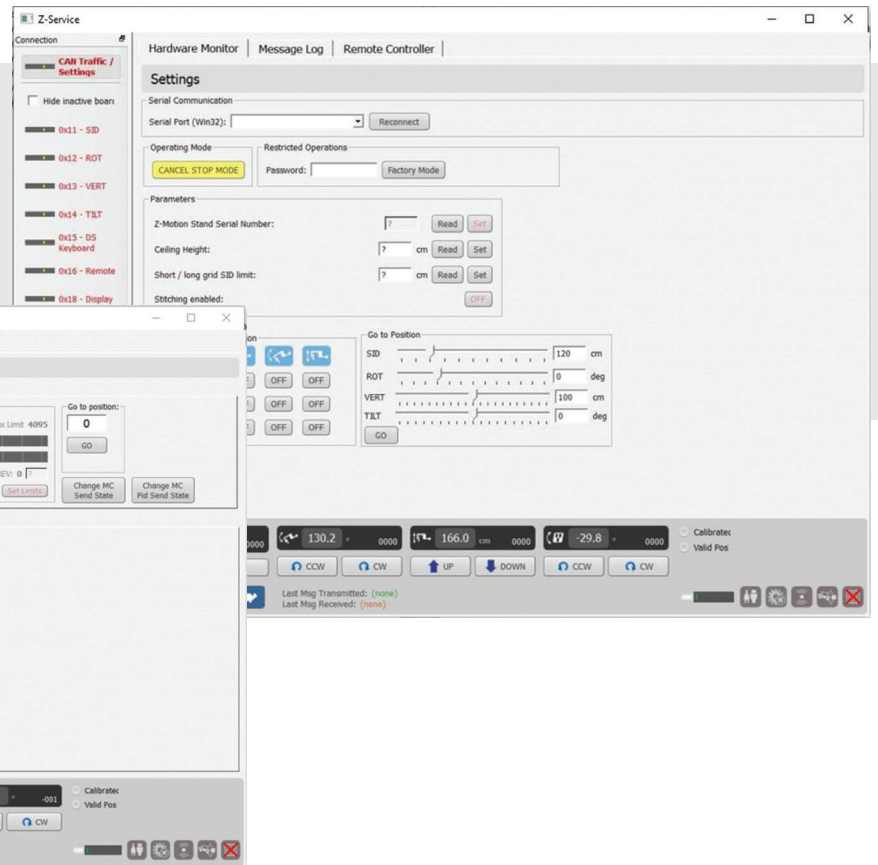
Sophisticated image processing features:

- Detector status indicators
- Wifi signal strength indicator
- Wide variety of compatible detectors, wired or wireless, with various pixel sizes
- Portable solutions with tablet, laptop workstation
- Mini PACS included
- Cloud storage available
- Mobile viewing on any device



## REMOTE DIAGNOSTICS

Advanced diagnostic software allows troubleshooting and service to minimize downtime.



## CERTIFICATIONS

ISO 13485, CE marked and FDA cleared



Please contact us at [sales@cxmed.com](mailto:sales@cxmed.com)

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Authorized reseller:

