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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



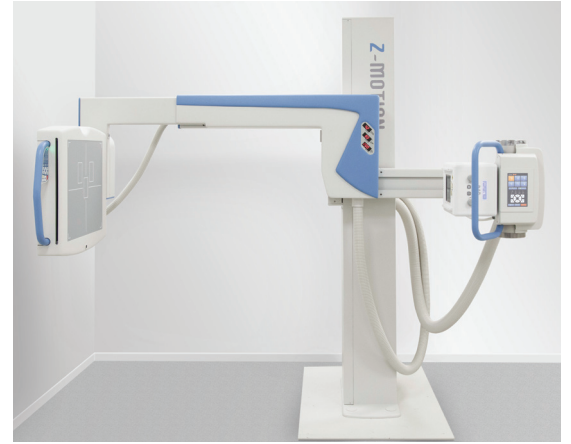
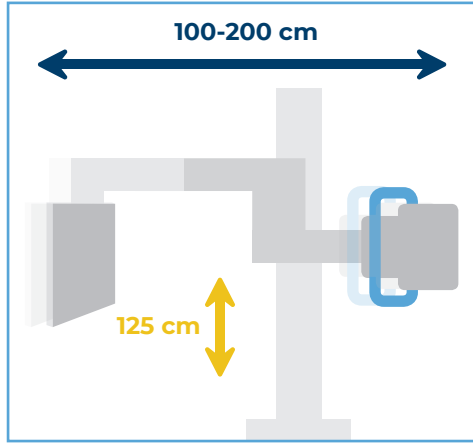
MULTIPURPOSE



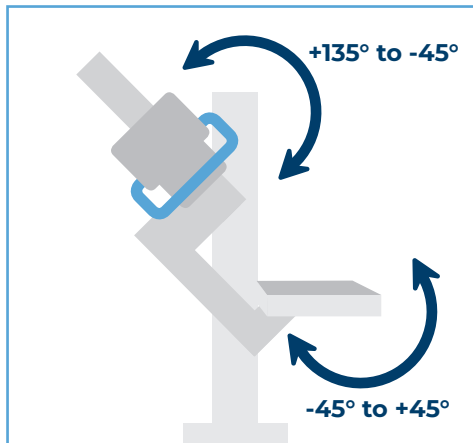
► This brochure features both standard and optional elements.

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

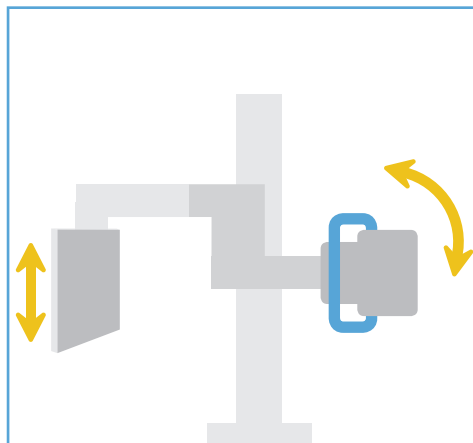
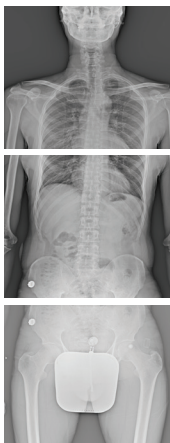
BEST-IN-CLASS SID RANGE



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

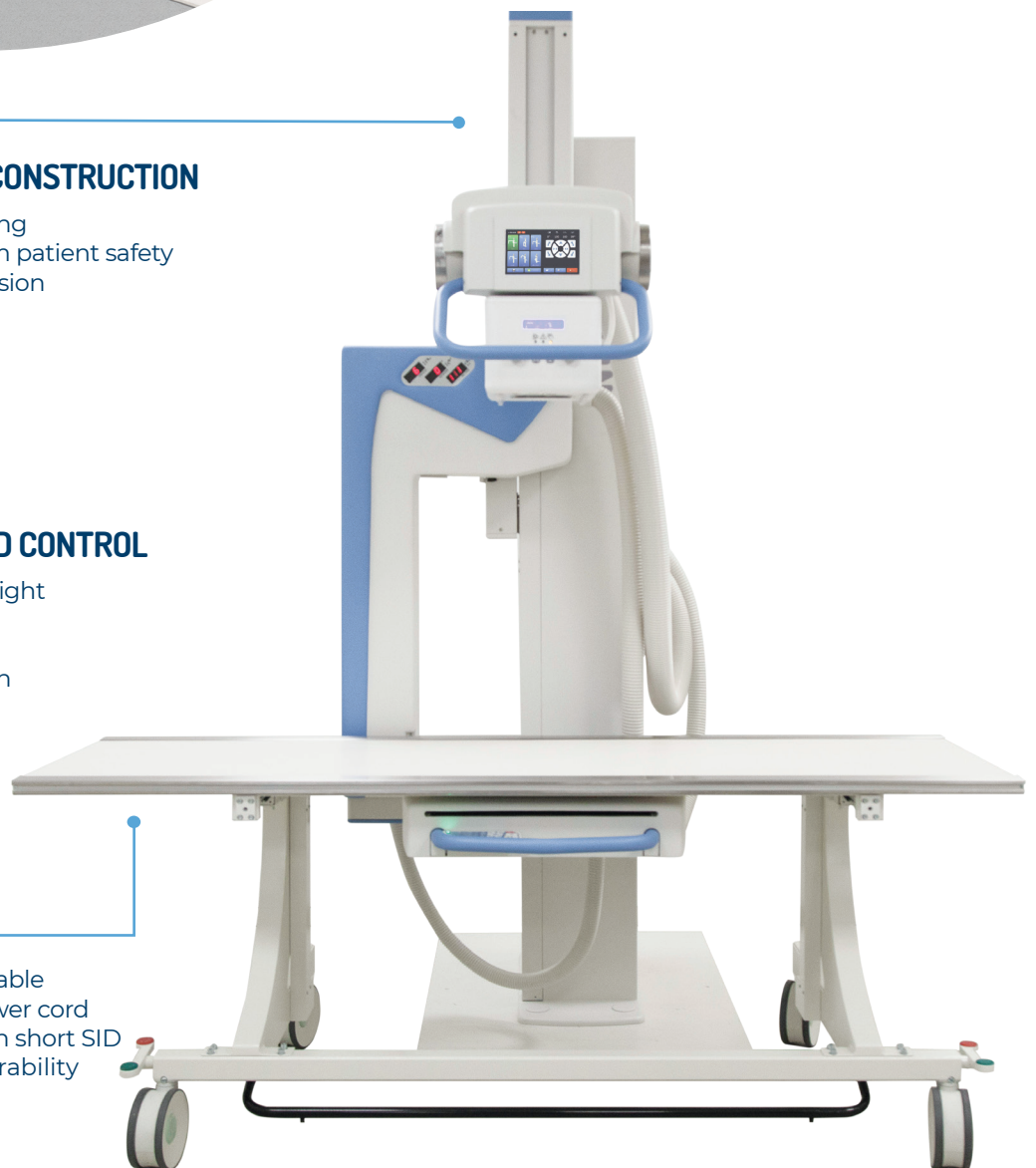
- Quick and easy manual positioning
- Low impact motors for maximum patient safety
- Proximity sensors to prevent collision

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

POWER REQUIREMENTS (SYSTEM)

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

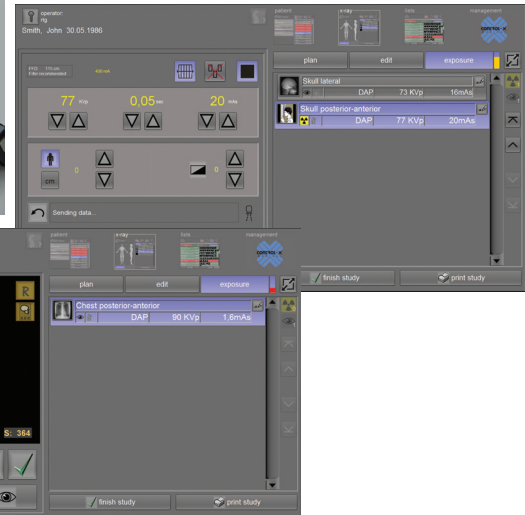
INTEGRATED GENERATOR CONTROL AND IMAGE ACQUISITION

Single console seamless workflow:

- Full DICOM compatibility
- Integrated DAP reporting

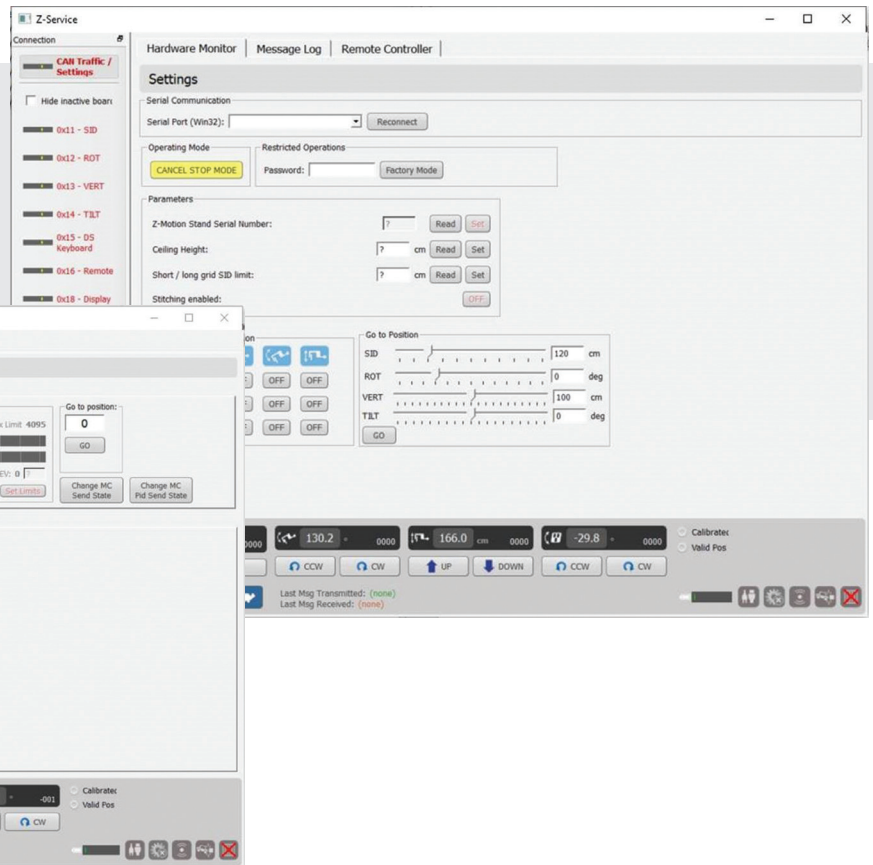
Sophisticated image processing features:

- 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

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Authorized reseller:

