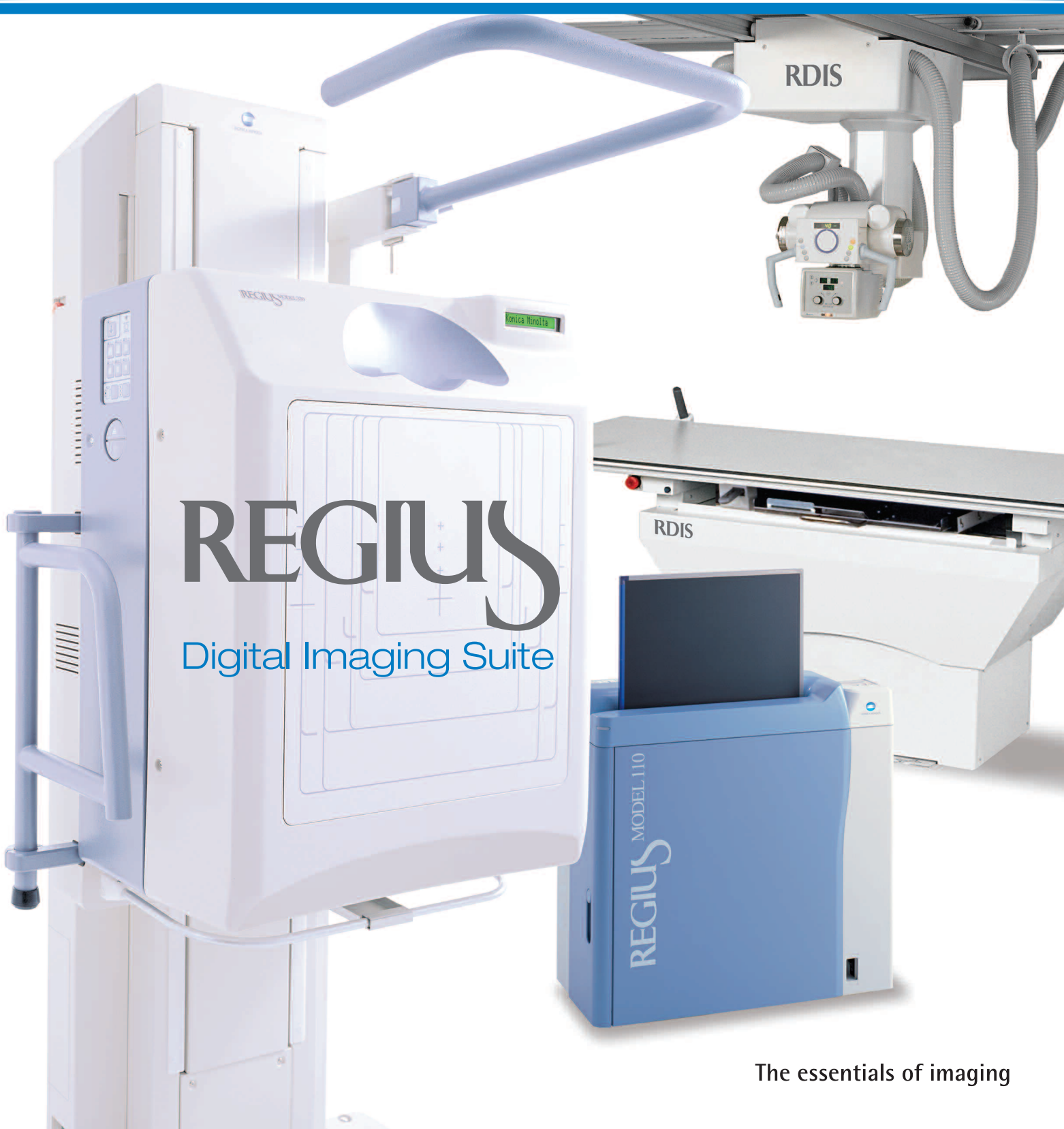
KONICA MINOLTA

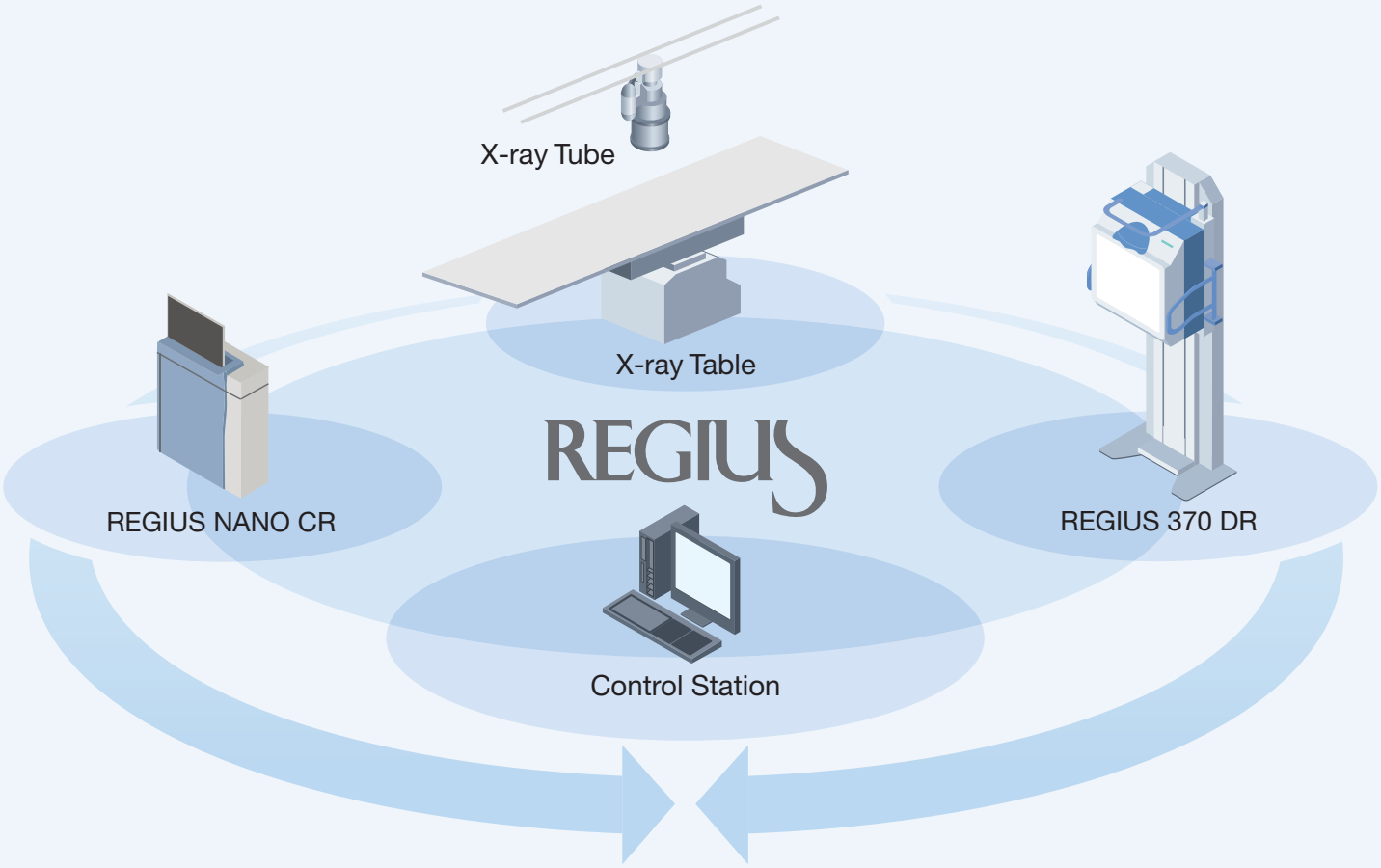


REGIUS

Digital Imaging Suite

The essentials of imaging

Experience the Ultimate Freedom in Digital Radiography



Enjoy the Speed and Convenience of Digital Radiography: Meet All Your Imaging Needs With the REGIUS Digital Imaging Suite.

Take advantage of the flexibility of a combined DR and CR solution. Use cassette-less DR for all upright examinations including spine, skull, chest and any erect procedure. Use a cassette-based CR Receptor for table, stretcher and portable exams.

Enjoy peace of mind with the redundancy of a fully integrated CR.

Simplify applications with a unified imaging platform on a single control station.

And best of all: Improve your productivity with this versatile, cost-effective solution.

With the REGIUS Digital Imaging Suite, You Can Have It All.

X-Ray Tubes and Generator

The RDIS Ceiling-Mounted System is designed for taking all types of imaging exams. Offering maximum flexibility, the centralized handgrips provide smooth and responsive system movements.

The RDIS Floor-Mounted Systems are ideal for high patient volume rooms. The extended freedom of movement allows for a wide array of examinations. Ergonomically designed operator hand controls simplify tube stand positioning.

Automatic Collimation comes standard on all systems.

RDIS Elevating Float Top Table

The RDIS Elevating Float Top Table eases patient transfer and positioning. The rugged lifting mechanism, extra-wide surface, and high patient weight capacity easily accommodates a wide variety of physical types and makes patient positioning and transfer smooth and comfortable. The table lowers easily to accommodate a variety of stretcher and wheelchair patients.

Ultra High Frequency X-Ray Generator

Advanced transformer design provides precise voltage control and highly efficient x-ray production. The RDIS generator delivers superb accuracy, repeatability and system reliability.

Anatomical Programmed Radiography (APR) offers 100 exam views for automatic technique factor selection, with up to 50 unique techniques per view.

Choose 50 kW, 65 kW or 80 kW for your specific needs.

The REGIUS 370 DR System

- Advanced Cesium Bromide (CsBr) imaging plate with columnar structure that rivals detective quantum efficiency found in other DR systems
- Versatile with selectable exposure sizes, including a maximum of 17" x 17"
- Includes an anti-scatter grid with 40–72 focal distance
- Programmable sampling pitch of 87.5 µm and 175 µm for optimal resolution
- Supports automatic collimation and tube tracking
- Wheelchair friendly with patient knee-sensor, and hand grips positioned for anterior and lateral exposures

REGIUS Digital Imaging Suite Control Station

- Single Control Station for both CR and DR simplifies user operation and learning curve
- Advanced imaging process for optimal imaging quality for all applications
- Automated software features reduce the number of steps and improve productivity
- Touch Screen for rapid exam performance

Nano CR System

- High performance single bay CR reader
- Compact foot print with selectable space orientation for in-room installation
- Fast cycle time and preview time that allows for better patient care
- Reliable and consistent performance maximizes uptime.
- Contact-free and rigid imaging plates for extended lifetime
- Programmable sampling pitch of 87.5 µm and 175 µm for optimal resolution
- Supports long length exams (scoliosis) for single-exposure capture

X-Ray Generator Specifications:

Power Rating (kW): DIN	80 kW / 65kW	50 kW
Ultra High Frequency:	120 kHz PLUS	120 kHz PLUS
kVp Range (1 kVp Steps):	40 – 150 kVp	40 – 125 kVp
150 kVp Output:	Standard	Optional
mAs Range:	0.025 – 800 mAs	0.025 – 800 mAs
mA Range:	25 – 800 mA	25 – 690 mA
Timer Range:	0.001 – 6.3 (seconds)	0.001 – 6.3 (seconds)
High (Dual) Speed Starter:	Standard	Standard
Console:	Anatomical Programming (APR 110 views / 5000 techniques)	Anatomical Programming (APR 110 views / 5000 techniques)
Automatic Exposure Control: (3-field AEC)	Standard	Standard
Power (Three Phase Line):	380 – 480 VAC +/- 10%	380 – 480 VAC +/- 10% standard 208 VAC +/- 5% optional

RDIS Elevating Float Top Radiographic Table

- Patient weight capacity: 650 lbs. (295.5 kg)
- Elevating range: 21" – 32.5" (53 – 83 cm)
- Collision avoidance electronics with built-in table sensors
- Tabletop length: 85" (216 cm); with 32" (82 cm) of longitudinal travel
- Tabletop width: 35.5" (90 cm); with 10" (25 cm) of transverse travel
- Recessed foot switches for all table movements, with safety lock-out control switch
- Float-top multi-function hand control switch, adjustable position (for elevation and float control)
- Adjustable patient handgrips along concealed accessory rails

Options:

- Compression Band
- Lateral Cassette Holder

RDIS Floor Mounted Tubestand

- 10 ft. long tracks with 98" (249 cm) of longitudinal travel
- ALL-LOCKS release switch and auto-stop sensors for horizontal and vertical positioning
- Vertical travel: 60.5" (154 cm), minimum floor to focus distance of 13.75" (35 cm)
- Column rotation: +/-180º, Transverse Arm: 10" (25 cm)
- Tube angulations: +/-130º with detents at 0º and +/-90º
- Available with Trunnion mount (QS-55T) which allows for tube head rotation +45º/-20º with dual angle guide

RDIS Ceiling Mounted Tube Support

- Telescopic column with vertical travel: 59" (150 cm)
- Longitudinal travel: 140" (356 cm) with rail length of 14' (4.25 meters)
- Transverse travel: 87.5" (222 cm) with rail length of 10' (3 meters)
- Tube rotation about vertical axis: +154º/-182º, detents at 0º and +/-90º
- Tube rotation about horizontal axis: +/-120º, detents at 0º and +/-90º
- Operator handgrips with digital display, dual “All Lock” release switch in grips

REGIUS 370 Digital Radiography System Specifications*

Cycle Time	16 seconds (all sizes, 175 µm)
Image Preview	6 seconds (all sizes, 175 µm)
Plate Throughput	210 plates an hour (all sizes, 175 µm)
Sample Pitch	175 µm standard; 87.5 µm high resolution
Resolution	4020 x 4892 (14 x 17")
Grayscale Output	4096 (or 12 bits)
Exposure Size	17 x 17"
Weight	726 lbs.
Dimensions	W31.5" x D22.0" x H66.9"
Power	100V Approximately 1.1kW
Power Consumption	Single Phase 110/220V (option), Approximately 1.0 kW 50/60 Hz
Operating Conditions	Temperature: 15°C – 30°C; Humidity: 40% – 80% (non condensing)

Nano CR Reader Specifications*

Cycle Time	Approximately 59 seconds (14 x 17")
Image Preview	24 seconds (14 x 17")
Plate Throughput	Approximately 60 plates an hour (14 x 17")
Sample Pitch	175 µm standard; 87.5 µm high resolution
Resolution	4020 x 4892 (14 x 17")
Grayscale Output	4096 (or 12 bits)
Exposure/Cassette Sizes	14 x 17", 14 x 14", 11 x 14", 10 x 12", 8 x 10"
Weight	220 lbs.
Dimensions	W29.1" x D14.4" x H29.4"
Power	100V Approximately 1.1kW
Power Consumption	AC 110/220; 50/60 Hz
Operating Conditions	Temperature: 15°C – 30°C; Humidity: 40% – 80% (non condensing)

Control Station Specifications*

DICOM Services	Modality, Worklist, Storage (CR/DX/SCU), Print SCU, Grayscale Standard Display Function SCU
Image Output	Up to 3 DICOM Store Plus 1 Backup, Up to 2 DICOM Print Plus 1 Backup
Image Storage Capacity	Approximately 80 GB
Power Source	PC: AC 100–240V; 50/60 Hz; Touch Screen: AC 100–240V; 50/60 Hz
Weight	PC: 20 lbs.; Touch Screen: 11.2 lbs.
Dimensions	PC: 12.22" (W) x 14.1" (D) x 3.35" (H); Touch Screen: 13.4" (W) x 6.2" (D) x 14.5" (H)
Heat Generation	250 Watts or 427 BTU (PC); 100 Watts or 171 BTU (Monitor)
Operating Conditions	Temperature: 0°C – 35°C; Humidity: 40 – 80% (non condensing)

**Specifications are subject to change without notice.*

Konica Minolta's Commitment to Customer Satisfaction

At Konica Minolta, your complete satisfaction is our number one goal. From pre-installation through the lifetime of your investment, our professional staff provides the technical expertise you need. Our professional Project Management, Applications Training, and Field Service teams work together to maintain your continued satisfaction over the lifetime of your investment.

KONICA MINOLTA

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