

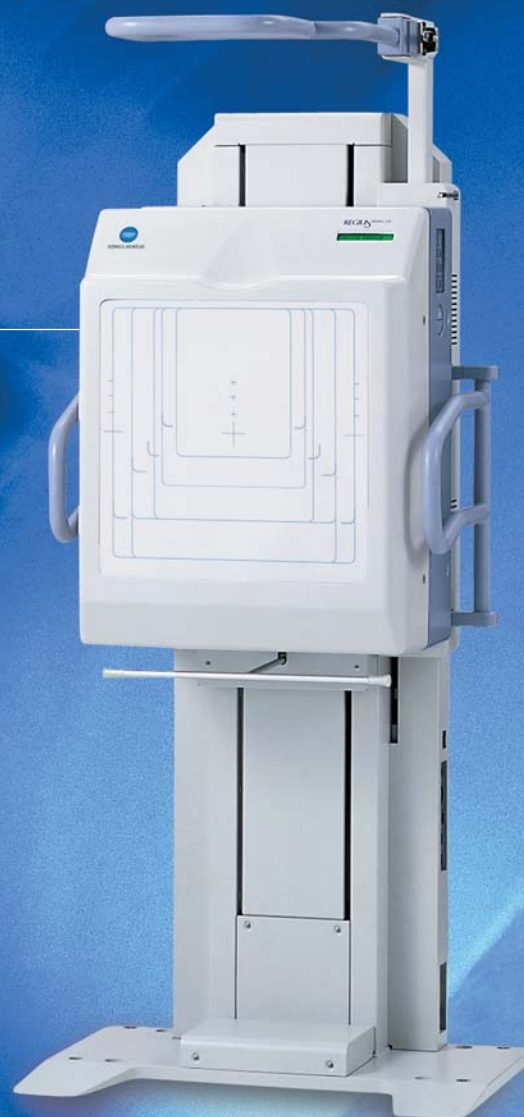


KONICA MINOLTA

REGIUS 350

# REGIUS 350

*Upright CR*



The essentials of imaging

# Image Quality You Can Trust

## Better X-Ray Absorption For Better Images

The REGIUS family of CR products employs the most advanced CR detector technology — BaFI:Eu — which yields the highest Detective Quantum Efficiency (DQE) in the industry. REGIUS plate's high X-Ray absorption means less granularity and greater sharpness in the images.

## Hybrid Processing

Get the best image quality with detail enhancement without the noise! Hybrid Processing divides an image into multiple frequency bands and makes detailed enhancements for each band to produce a well-balanced reconstruction for different body parts on the image. Radiologists will see a more natural and well contrasted and sharpened image without unwanted noise and artifacts.

## One Plate, Two Resolutions

With selectable sampling pitch of 87.5µm and 175µm, the REGIUS family of CR products delivers optimal resolution for diagnostic-quality images. Demands in versatile clinical applications are met with only one plate required for either a standard resolution or high resolution image.



## Simple Innovation

- An exposure field up to 17x17 inch accommodates a wide variety of clinical applications and patient physiques. Allows six exposure sizes, three positions and two orientations.
- Designed with patient care in mind: hand grips for secure positioning and knee-sensor for protecting patients in wheelchairs from contacting the reader.
- Ease of use with footswitch for hand-free height adjustment and side-panel button for one-touch selection of exposure positions. Patient name is displayed on the reader for verifying identification.
- Fast! 16 second cycle time, 210 exposures per hour with no need to manually process plates.

## Options & Accessories

- Tube Position Synchronization Interface & Cable\*
- Auto Exposure Control & Cable\*
- Auto Collimation Interface & Cable\*
- Backup Cassette Holder
- 18x18 10:1/210/40-72 Grid
- Cart and wall mount apparatus for the control station

*\*Pending validation with X-ray equipment*



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# REGIUS MODEL 350

## Innovation for Performance

Designed to meet the demand for high volume upright work, the REGIUS 350 CR System uses a built-in detector for rapid scan and image processing. REGIUS 350 delivers the performance of direct digital radiography while utilizing the lower-cost phosphor-based plate technology used in computed radiography. Innovated to combine the best of the two technologies, REGIUS 350 lets you adopt digital radiology to increase productivity while improving patient care.

Ask your Konica Minolta sales consultant today to find out how REGIUS 350 Upright CR and the other REGIUS Family of CR products can dramatically improve your workflow and return on investment.

## Durable Technology

- Contact with detector surface is completely eliminated — preventing dust or stains common in transport systems on cassette-based CR readers.
- Fully automated with x-ray equipment for optimal workflow.
- Contact-free and rigid plates designed for extended lifetime.



Standard hand grips for anterior and lateral exposure of auxiliary tools.



Dual-sided operational panels for ease of use.



Remote elevator control.

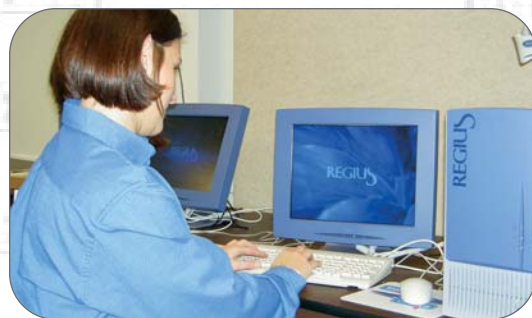


CS-1 Control Station.

## REGIUS 350 Reader Specifications\*

|   |   |
|---|---|
| <b>Exposure Size</b><br>(selectable from the built-in CR plate) | 17" x 17", 14" x 17", 17" x 14", 14" x 14", 11" x 14", 14" x 11", 12" x 10", 10" x 12", 8" x 10", 10" x 8"                                  |
| <b>Sample Pitch</b>   | 175µm standard<br>87.5µm high resolution  |
| <b>Resolution</b>   | 4860 x 4860 (17" x 17")   |
| <b>Grayscale Output</b>   | 4096 (12 bits)  |
| <b>Exposure Cycle</b>   | Image appears within 10 seconds after exposure<br>Complete exposure cycle is approximately 16 seconds (all sizes, 175µm), including erasure |
| <b>Vertical Travel</b>  | 29.5" – 60.7" from center of plate  |
| <b>Dimensions</b>   | 31.5"(W) x 22.0"(D) x 66.9"(H)  |
| <b>Weight</b>   | 778 lbs.  |
| <b>Operating Conditions</b>                                     | Temperature: 68 – 86°F<br>Humidity: 35 – 80% (non condensing)   |
| <b>Power Source</b>   | 100V; 50/60Hz   |
| <b>Heat Generation</b>  | Approx. 1.2 kW or 1,428 BTU   |
| <b>Operating Conditions</b>                                     | Temperature: 68 – 86°F<br>Humidity: 35% – 80% (non condensing)  |

## Konicare Technical & Professional Service



REGIUS 350 is backed by a 12 month warranty and a 2 year warranty on the plate!

As a world-class organization, Konica Minolta Medical Imaging provides service and support that is second to none. Our teams of professional service experts are available to you 24 hours a day, seven days a week, to ensure that your business always runs at peak performance. To help meet the specific needs of customers coast to coast, Konica Minolta Medical Imaging has established the Konicare Technical and Professional Services organization.

Konicare consists of people and programs dedicated to optimizing efficiency and productivity within your department. Our professionals are divided into such groups as Application Specialists, Project Managers, Technical Support Specialists and Field Service Representatives. Our programs include Remote Technical Support, Clinical Applications, Project Management, System Integration, System Administration Training and Network/Integration Services.

The Konicare program is designed for maximum flexibility to meet every technological and management need at busy radiology departments. We can customize a program for any facility and any budget, making optimum use of all available resources for the best possible patient care.

## CR Control Station Specifications\*

|                               |   |
|-------------------------------|---|
| <b>DICOM Services</b>         | DICOM Storage (CR/DX SCU)<br>DICOM Print SCU<br>DICOM Modality Worklist SCU<br>Grayscale Standard Display Function SCU<br>DICOM Modality Performed Procedure Step SCU<br>DICOM Storage Commitment SCU |
| <b>Image Input</b>            | Supports REGIUS 350 Upright Reader, and Xpress CR (up to 8 Xpress plus 1 REGIUS 350)  |
| <b>Image Output</b>           | Up to 3 DICOM Store Plus 1 Backup (1 provided standard)<br>Up to 2 DICOM Print Plus 1 Backup (1 provided standard)  |
| <b>Image Processing</b>       | Automatic Gradation Processing (G processing)<br>Frequency Processing (F processing)<br>Equalization Processing (E processing)<br>Hybrid Processing (H processing, Optional)                          |
| <b>Image Storage Capacity</b> | Approx. 20 GB, or up to 10,000 images   |
| <b>Dimensions</b>             | PC: 7.2"(W) x 15.8"(D) x 14.5"(H)<br>Touch Screen: 15.5"(W) x 2.6"(D) x 12.8"(H)  |
| <b>Weight</b>                 | PC: 25 lbs.; Touch Screen: 11 lbs.  |
| <b>Power Source</b>           | PC: AC 100–240V; 50/60 Hz<br>Touch Screen: AC 100–240V; 50/60 Hz  |
| <b>Heat Generation</b>        | PC: Approx. 250 Watts or 427 BTU<br>Touch Screen: 100 Watts or 171 BTU  |
| <b>Operating Conditions</b>   | Temperature: 59 – 86°F<br>Humidity: 40% – 80% (non condensing)  |

\*Specifications are subject to change without notice.



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