



KONICA MINOLTA



REGIUS MODEL 370
Digital Radiography

The essentials of imaging

REGIUS MODEL 370 DR System

The REGIUS 370 DR is an upright digital radiography system capable of supporting a wide range of clinical applications. The heart of the REGIUS 370 DR is Konica Minolta's patented new Plate technology. This new Plate is an advanced Cesium Bromide (CsBr) phosphor detector with a columnar structure that rivals the detective quantum efficiency (DQE) found in solid state DR systems.

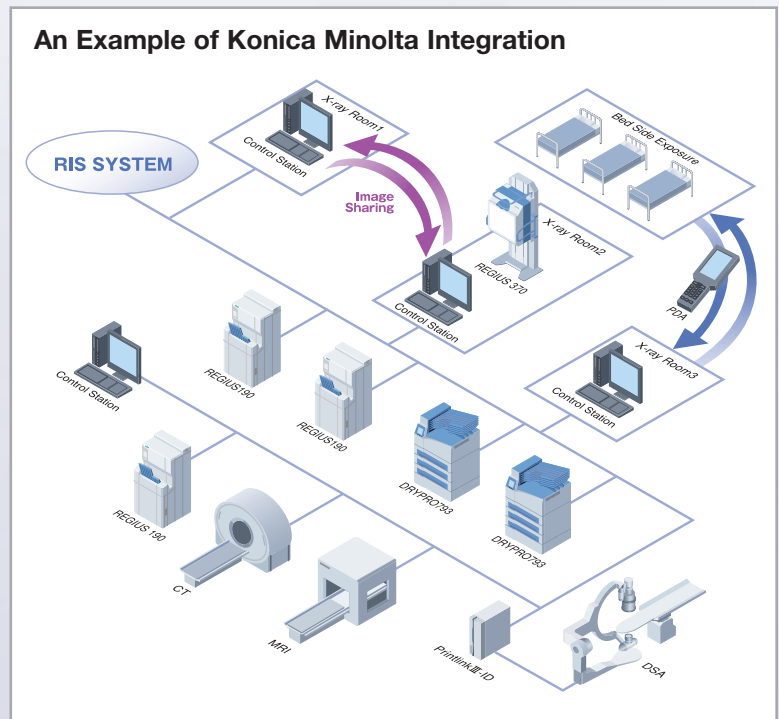
Combining our Plate with new anti-backscatter techniques, customizable image processing algorithms and on site integration with your existing X-ray suite, the REGIUS 370 DR system allows you to "go digital" while protecting your current investment in existing radiographic equipment.



Features and Benefits

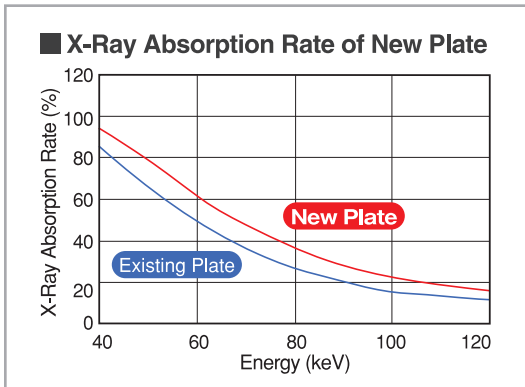
No detail is overlooked in the elegant yet practical design of the REGIUS 370 DR system. For example:

- The ability to integrate this system with virtually any existing X-ray suite extends your investment in existing equipment and reduces the cost of entry into digital radiography.
- The maximum exposure size of 17" x 17" assures the comfortable accommodation of virtually any size patient.
- The capability to run 210 exposures per hour with image previews in as little as 10 seconds assures that departmental efficiency is optimized.
- The REGIUS 370 DR system utilizes the same Control Station as the Xpress system, for consistently high image quality and simple operation.



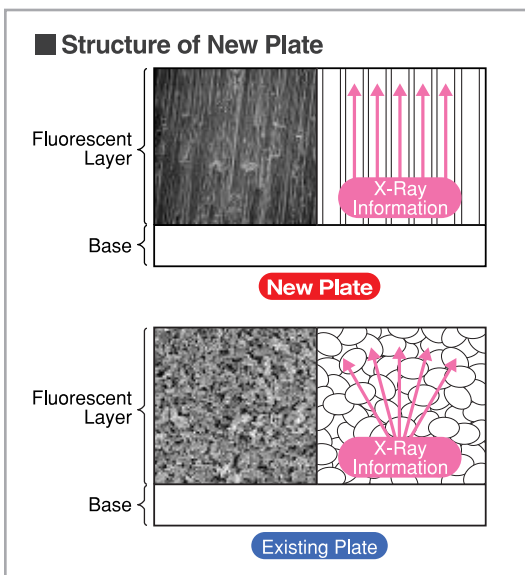
Innovative Technology

The REGIUS 370 DR is the first upright digital radiography system in the world to utilize the most advanced Cesium Bromide (CsBr) phosphor detector in the industry.



X-Ray Absorption

Utilizing the high absorption Cesium Bromide as a phosphor-based detector makes it possible for the customer to either use less dosage compared to the traditional photostimulable phosphor plate for the same great image quality, or use the same dosage in favor of higher image sharpness.



Structure

The Cesium Bromide is arranged in a columnar crystal structure. This structure provides "light pipe" like paths for the energy thus reducing light scatter and resulting in sharper images and offering detective quantum efficiency (DQE), comparable to flat panel DR systems.

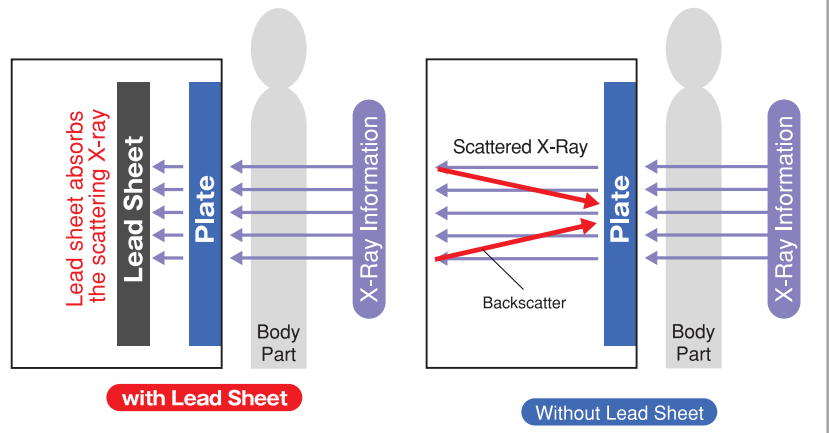


REGIUS Control Station

The Control Station is highly regarded for its intuitiveness and simplicity. The Control Station provides the user flexibility in system configuration needed to create the ideal workflow.

The unit is also equipped with a User Tool that gives complete freedom to customize image settings.

■ Anti-Backscatter Technique



Anti-Backscatter Technique

Also contributing to the REGIUS 370 DR's superior image quality is the inclusion of a unique anti-backscatter technique utilizing a flexible scrolling lead sheet. The use of this sheet ensures that any extraneous X-ray energy coming through the detector is absorbed and not "scattered" back to the detector. The flexible design of the sheet allows it to be automatically scrolled out of the way when not in use. The scrolling lead sheet makes possible the compact and efficient design of the overall system.

Minimum Pixel Size of 87.5µm

REGIUS 370 offers two types of sampling pitches, 87.5µm and 175µm. Selecting the sampling pitch suitable to the body part or diagnostic purposes allows producing the images with the optimal resolution.

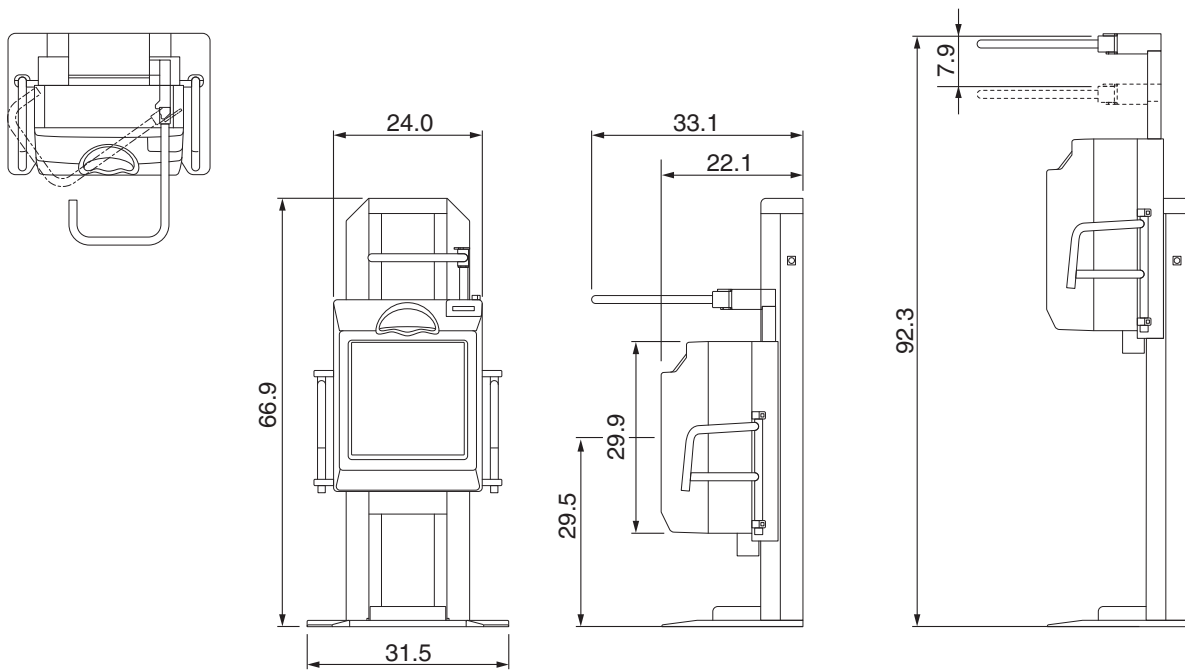
Free Text Annotation

This function allows the user to create free text annotations and to place them anywhere on the image. The annotations are saved as part of the image for printing or DICOM storage.

REGIUS 370 Digital Radiography System Specifications*

Exposure Size	17" x 17", 14" x 17, 17" x 14", 14" x 14", 11" x 14", 14" x 11", 10" x 12", 12" x 10", 8" x 10", 10" x 8"
Sample Pitch	87.5µm/175µm
Exposer Cycle Time	Approx. 16 seconds (all sizes, 175µm)
Processing Capability	Approx. 210 sheets/hour (all sizes, 175µm)
Maximum Resolution	4860 x 4860 (17" x 17")
No. of Digital Gradation Levels	4096 levels (12bits)
Outer Dimensions	W31.5" x D22.0" x H66.9"
Weight	726 lbs.
Power Consumption	Single-phase 100V/200V (Option) Approx. 1.0kW 50/60 Hz
Operating Conditions	Temperature: 15°C – 30°C Humidity: 40% – 80% (non condensing)
Accessories	Hand grip for anterior exposure, Hand grip for lateral exposure, Foot switch, Reader controller connecting cable set
Main Options	Auto collimation board, Lead apron arm, Cassette holder, 200V power cable

*Specifications are subject to change without notice.



Unit/inches, 1/30 scaled

Konicare Customer Satisfaction

At Konica Minolta, complete customer satisfaction is our goal. That is why we created Konicare. The Konicare program encompasses all aspects of customer oriented activities from installation management and clinical applications training to remote technical support and Biomedical training.

It makes good sense to protect your investment in mission critical medical imaging devices. Konicare's broad range of Customer Satisfaction Agreements enable you to select the coverage that best fits your need.



KONICA MINOLTA

KONICA MINOLTA MEDICAL IMAGING USA, INC.
411 NEWARK POMPTON TURNPIKE
WAYNE, NJ 07470
TEL: (973) 633-1500 FAX: (973) 523-7408
WEBSITE: medical.konicaminolta.us