



KONICA MINOLTA



The essentials of imaging

# Xpress CR

High-Capacity, Modular, CR Solutions

## *Performance...Reliability...Ease-of-Use*

Widely recognized as the optimum combination of quality, performance and value in the industry, Xpress CR represents computed radiography innovation at its best. The modular design of Xpress CR allows the greatest flexibility in custom configurations providing true workflow improvements in any environment. Xpress CR systems are relied upon to handle any workload from high-volume Main Radiology departments to Emergency Services, Intensive Care, Surgery and Clinics. As a critical component of your overall digital imaging strategy you can count on Xpress CR to deliver reliable performance with the exceptional image quality you have come to expect from Konica Minolta.

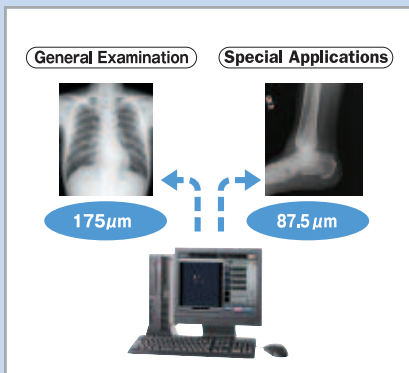


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### A Compact, High-Performance Design

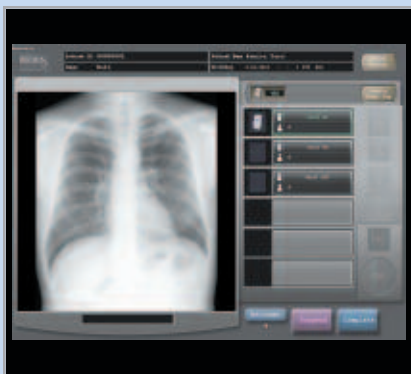
Utilizing a unique dual bay design, the high speed REGIUS Model 190 Reader processes up to 123 plates per hour for maximum performance. This next generation Reader radically improves workflow all within a mere 23 x 23 inch footprint.



### Super High Resolution

In addition to standard resolution, the REGIUS Model 190 is capable of two high resolution modes. The high resolution of 87.5 µm produces diagnostic quality images where recognition of subtle pathological changes is essential, such as special extremity and pediatric applications. The super high resolution of 43.75 µm supports mammography\*.

\*Pending FDA approval.



### A New Standard in User Interface

Highly regarded for intuitiveness and simplicity, the Xpress CR Control Station provides all the flexibility and control needed to create your ideal workflow environment.

## Standard Innovation

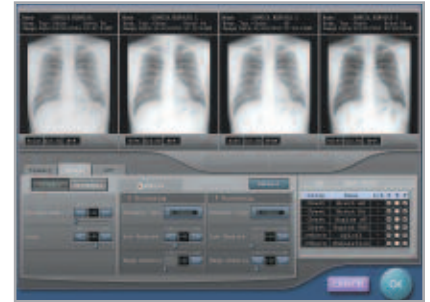
### Free Text Annotation

Allows the user to create and place annotations anywhere on the image. These annotations are saved as part of the image for DICOM print and/or store outputs.



### Super User Interface

Allows your department's designated *Super Users* to customize user functionality and processing parameters as necessary. Operation is guided through simple sliders and familiar "drag and drop" functions.



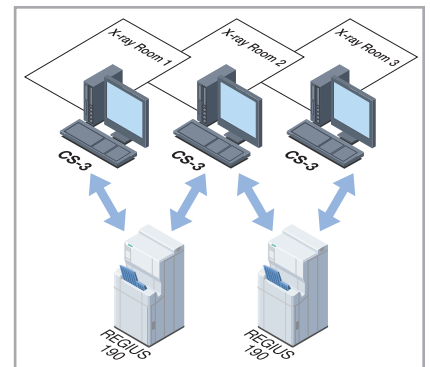
### Reject Reason Tracking

A quality control tool, our Reject Reason tracking feature provides the ability for a Department Administrator to monitor the volume of a department's rejected images. The software is user definable giving you control over defining the reasons for rejection.



### "Any Reader Any Time"

This resource sharing option provides the coordination of data exchange between all Control Stations and Xpress CR Readers within the network. A department's efficiency will benefit from this feature as any Xpress CR Reader can then be used to read any registered cassette anywhere on the network.

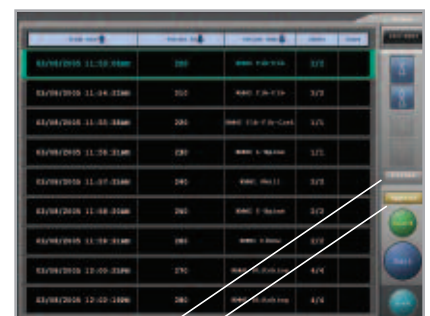


### Study Append

Provides the user the ability to append additional images to a completed patient file after it has been approved and sent to reside in the History database.

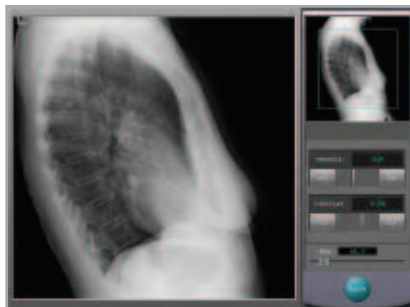
### History Search

Enables the user the ability to filter through all of the information stored in the History Database in order to find the patient they need quickly.



## Image Zoom

Offers the technologist the opportunity to highlight specific areas of the image for a closer look. The result is up to a 100% image zoom, pixel per pixel.



## Study List Filter

Our Study List Filter capability allows users to adjust the Dicom Modality Worklist get/return beyond the standard 24 hrs.



## Study Sharing

Provides the ability to start a study at one control station and complete it at another control station. Excellent tool for timed studies.

## Image Data Sharing

Control Stations equipped with this software will be able to access and search all images stored within the history database of all control stations on the network.

## Image Quality You Can Trust

### Hybrid Image Processing

Get the best image quality detail enhancement while minimizing “noise”! Konica Minolta’s patented Hybrid multi-frequency image processing further enhances the visualization of detailed structures while maintaining a “natural” looking image.

### Outstanding Reliability

Utilizing the same technology found in other heavy duty cycle systems, the Xpress CR is a very stable platform featuring minimal moving parts and zero mechanical interaction with the imaging plate. In fact these systems are so reliable, we extend a full two year warranty on the image plates.



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## Clinical Expansion Options



### Xpress Portable Assistant (XPA)

Enhances productivity by allowing cassettes to be registered at the point of patient care. The XPA can download and store a patient worklist from the Xpress CR Control Station and perform the cassette association via a built-in barcode reader. This is especially useful in an environment where patients are remote from the Xpress CR system.



### Xpress Digital Image Stitching

Important for applications such as Scoliosis and other long length bone studies, this option enables the acquisition of multiple images from a single exposure and allows electronic “stitching” to form a single image. The image can then be used in applications where bone measurements are made.



## Xpress CR Control Station

Highly regarded for its intuitiveness and simplicity, the Xpress CR Control Station provides the flexibility in operation required for customized workflow. Context driven screen navigation, as well as touchscreen capability, allow quick examination completion with only a few simple steps.



## Xpress CR Reader Specifications\*

<b>Cycle Time</b>	44 seconds (14" x 17")
<b>Image Preview</b>	26 seconds (14" x 17")
<b>Plate Throughput</b>	81 plates an hour (14" x 17")
<b>Sample Pitch</b>	175µm; 87.5µm; and 43.75µm (for mammography)**
<b>Resolution</b>	2.58 lp/µm (175µm), 5.7 lp/µm (87.5µm), 11.4 lp/µm (43.75µm)
<b>Grayscale Output</b>	4096 (or 12 bits)
<b>Cassette Sizes</b>	14" x 17", 14" x 14", 11" x 14", 10" x 12", 8" x 10", 24 x 30cm, 15 x 30cm
<b>Weight</b>	374 lbs.
<b>Dimensions</b>	W23" x D23" x H48"
<b>Power Source</b>	AC 100–240V ±10% (50/60 Hz)
<b>Heat Generation</b>	1.1kW or 1,232 BTU
<b>Operating Conditions</b>	Temperature: 15°C – 30°C Humidity: 40% – 80% (non condensing)

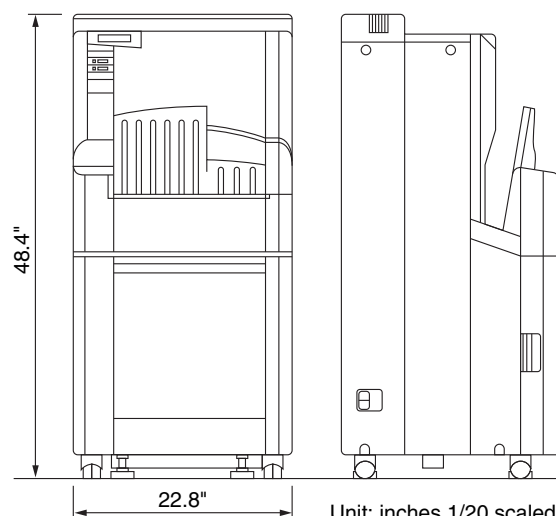
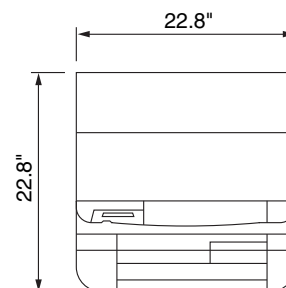
\*Specifications are subject to change without notice.

## CR Control Station Specifications\*

<b>DICOM Services</b>	DICOM Storage (CR/DX/MG SCU) DICOM Print SCU DICOM Modality Worklist SCU DICOM Grayscale Standard Display Function DICOM Grayscale Standard Presentation State SCU DICOM Modality Performed Procedure Step SCU DICOM Storage Commitment SCU
<b>Image Input</b>	Supports REGIUS 370 Upright Reader, and Xpress CR (up to 8 Xpress plus 1 REGIUS 370)
<b>Image Output</b>	Up to 3 DICOM Store Plus 1 Backup Up to 2 DICOM Print Plus 1 Backup
<b>Image Processing</b>	Automatic Gradation Processing (G processing) Frequency Processing (F processing) Equalization Processing (E processing) Hybrid Processing (H processing, Optional)
<b>Image Storage Capacity</b>	Approx. 5,000 Images
<b>Dimensions</b>	PC: 12.2"(W) x 14.1"(D) x 3.35"(H) Touch Screen: 13.4"(W) x 6.2"(D) x 14.5"(H)
<b>Weight</b>	PC: 20 lbs.; Touch Screen: 11.2 lbs.
<b>Power Source</b>	PC: AC 100–240V; 50/60 Hz Touch Screen: AC 100–240V; 50/60 Hz
<b>Heat Generation</b>	PC: 160 Watts or 548.8 BTU/hr (maximum) Touch Screen: 40 Watts or 136 BTU/hr
<b>Operating Conditions</b>	Temperature: 0°C – 35°C Humidity: 40% – 80% (non condensing)

\*Specifications are subject to change without notice.

\*\*Pending FDA Approval.



Unit: inches 1/20 scaled

## Konica Minolta's Commitment to Customer Satisfaction

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

Maximize your investment by selecting the right Blue Moon CR Lifecycle Products and Customer Satisfaction Agreements to ensure the ongoing operational excellence and productivity that your department needs.



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