KONICA MINOLTA

DIRECT DIGITIZER
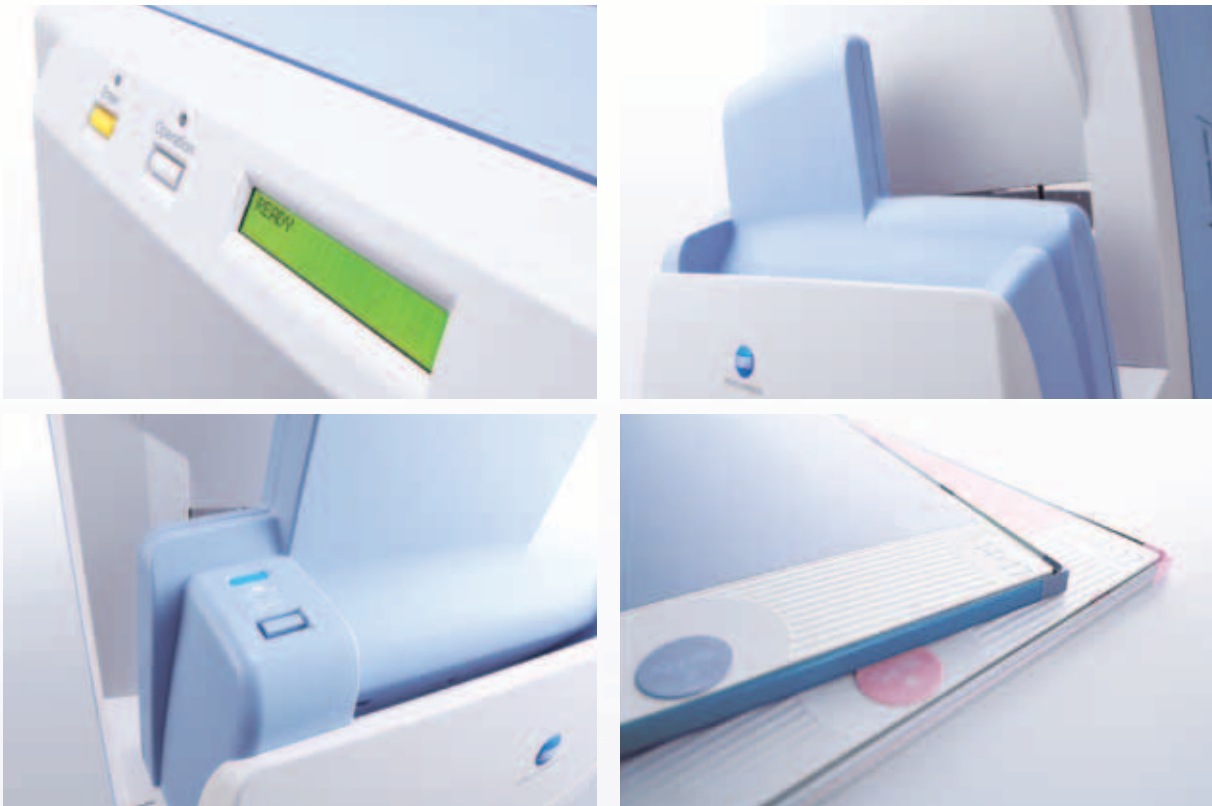
REGIUS MODEL 210

Giving Shape to Ideas

R E G I U S

All-round system that achieves

maximum productivity in various environments.

The system offers a 43.75 μm* read function for mammography;

with new, enhanced console features.

C-PLATE series cassette with columnar crystal phosphor is ideal

for mammography and pediatric use.

Introducing the new generation REGIUS:

easier to use, even more sophisticated.

*Optional license

M O D E L 2 1 0

REGIUS MODEL 210

READY

Erase

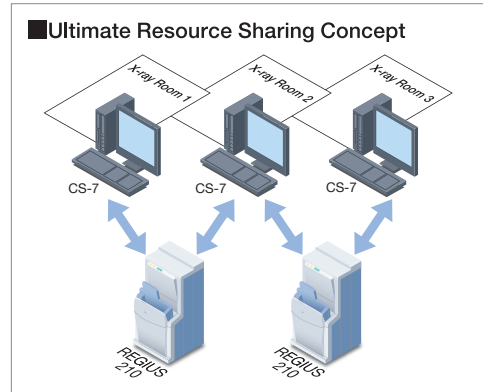Operation

KONICA MINOLTA

The "U

REGIUS

A new Compact, high-performance design.

Utilizing a unique dual bay design, the high speed reader of REGIUS Model 210 processes up to 100 plates per hour for maximum performance. This next generation reader radically improves workflow all within a mere 58×58 cm footprint.

Centralized image checking for flexible layout

The "Ultimate Resource Sharing" concept provides the flexibility to separate the location of the consoles and the readers. This allows for the same fast and thorough image checking as with conventional systems. The result : system layout and productivity are optimized according to the number of examinations conducted, the work line and floor space.

■Ultimate Resource Sharing Concept

X-ray Room 1   X-ray Room 2   X-ray Room 3

CS-7   CS-7   CS-7

REGIUS 210   REGIUS 210

"Ultimate Resource Sharing" concept enables realization of the ideal workflow in any given situation.

Side panel for optical unit maintenance.

MODEL 210 has a side panel for the cleaning / maintenance of optical unit. Simply open the panel and pull out the cleaning knob for easy cleaning of the optical unit. Fine dust accumulated on the optical unit can be easily removed.

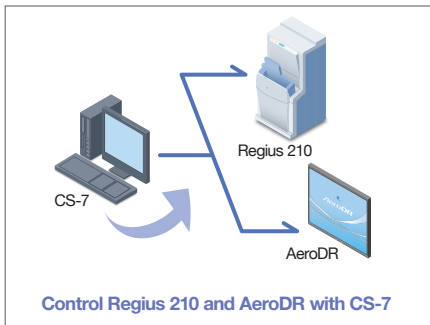## Two selectable options for cassette registration.

Cassette registration mode can be selected from two options, registration at imaging (barcode registration) and registration at reading (screen menu selection), according to the line of movements and system layout. This enables more flexible operation. Two types of bar code readers are available; single-type (above in photo) or multi-type.
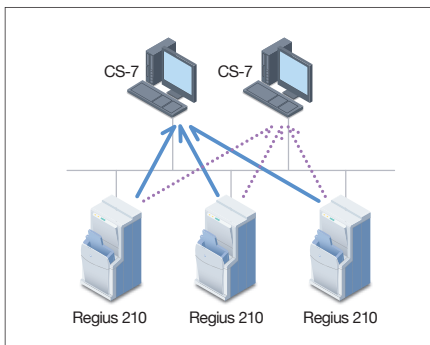
MODEL210

CS-7

CONSOLE CS-7

Konica Minolta's CS-7 Console provides a simple and user-friendly interface for complete workflow control: from acquiring patient data to image optimization, CS-7 guarantees the operator comfort, flexibility and efficiency in their daily workflow.

Control Regius 210 and AeroDR with CS-7

■ Multi functional console CS-7
Our CS-7 work station doesn't just operate all current Konica Minolta CR readers, it also controls Konica Minolta's AeroDR Flat Panel Detector.
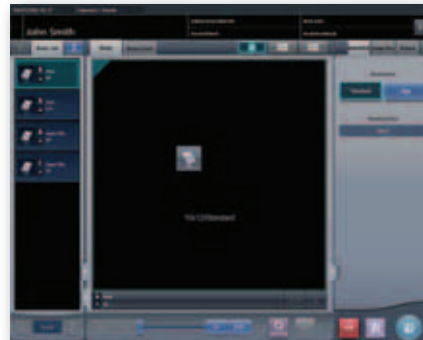

■ Freely selectable reader
Images are always displayed on the CS-7 where the plate is registered, regardless of which reader was used to scan the plate. This makes it easier for the operator to check image quality while maximizing the reader utilization.

• Patient registration

• Patient selection

• Image acquisition

• Image adjustment

■ Quick preview and powerful processing
CS-7 provides real-time image transmission from the CR reader. The image will be displayed during the scan process, which allows for quick previewing. The powerful image optimization processes Gradation and Frequency Processing are available, as well as Konica Minolta's 'Hybrid Processing' for body part-specific image optimization, thus ensuring radiographs of the highest quality.

■ Intuitive and simple
The console is equipped with a user tool that gives complete freedom in customising image settings. CS-7 is highly regarded for its intuitiveness and simplicity; all menu items can be selected quickly and easily via touch screen or mouse control.
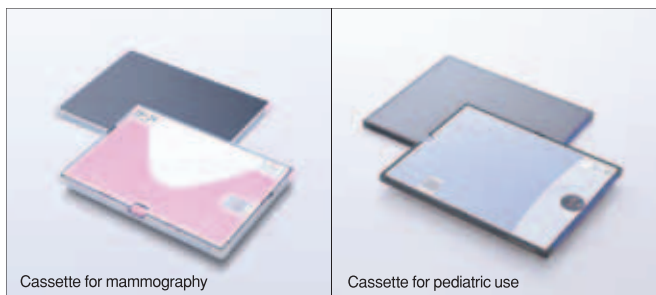
CONSOLE

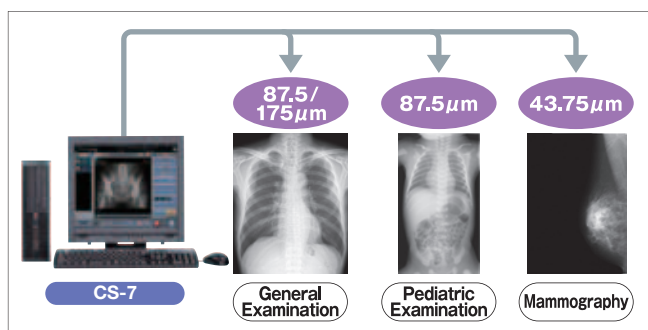# MAMMOGR
& BABIES

Sampling pit

C-PLATE series
with vapor deposition-type phosphor layer

"C-PLATE" features a columnar crystal phosphor layer that efficiently delivers photostimulated luminescence to the light reception unit. A high X-ray absorbing material is used as phosphor to achieve excellent sharpness and granularity. In addition to the cassette for mammography, cassette for pediatric use is now available that best meets the requirement for a reduced radiation dose.
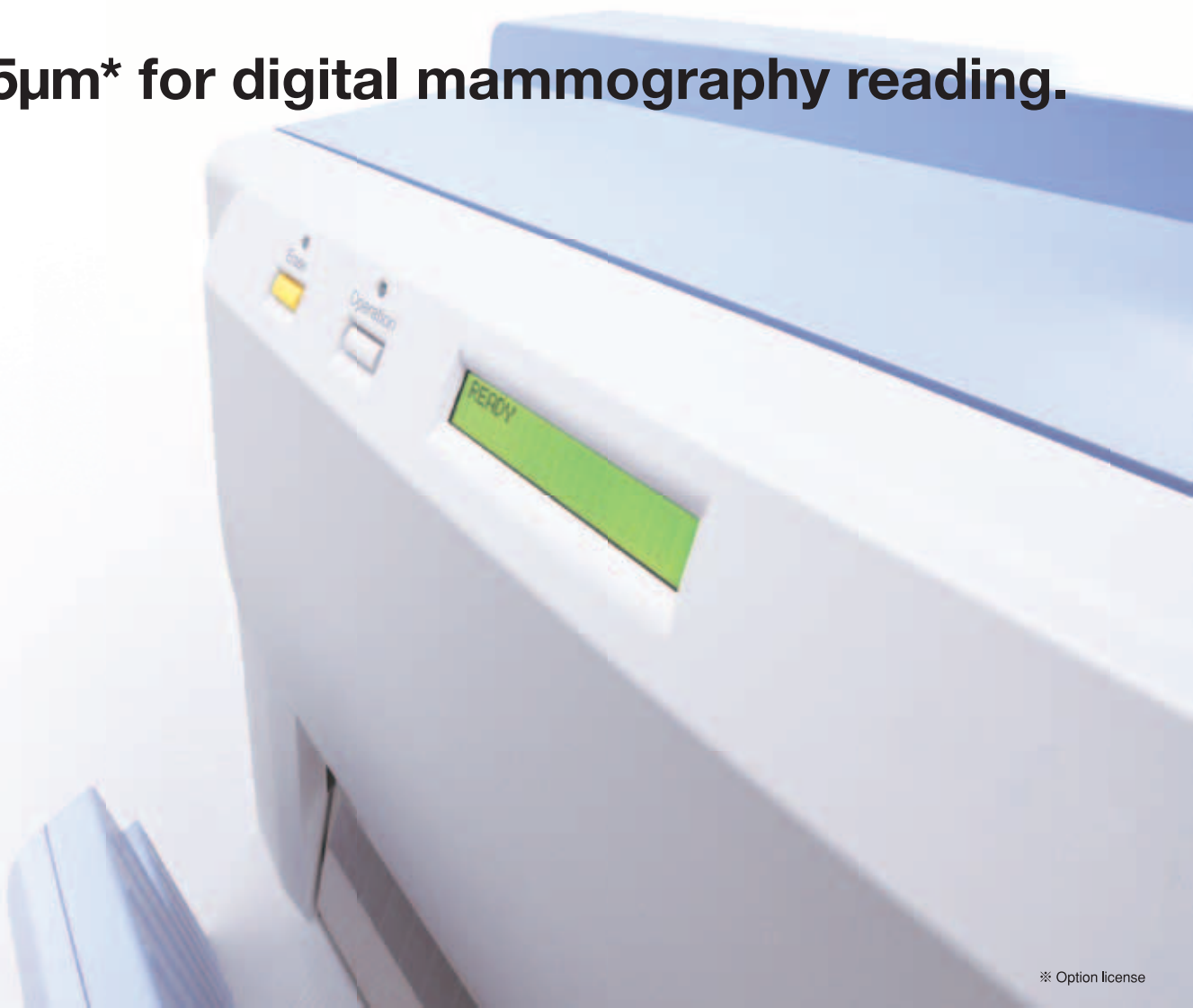
Cassette for mammography   Cassette for pediatric use

Optimum read function for different body parts

In addition to the 175 and 87.5μm read capability, REGIUS MODEL 210 supports 43.75μm※ read function for mammography and 87.5μm read function for pediatric use. In mammography where recognition of subtle pathological changes is essential, highly valuable images can be achieved based on a vast amount of information.

| 87.5/175μm | 87.5μm | 43.75μm |

CS-7   General Examination   Pediatric Examination   Mammography

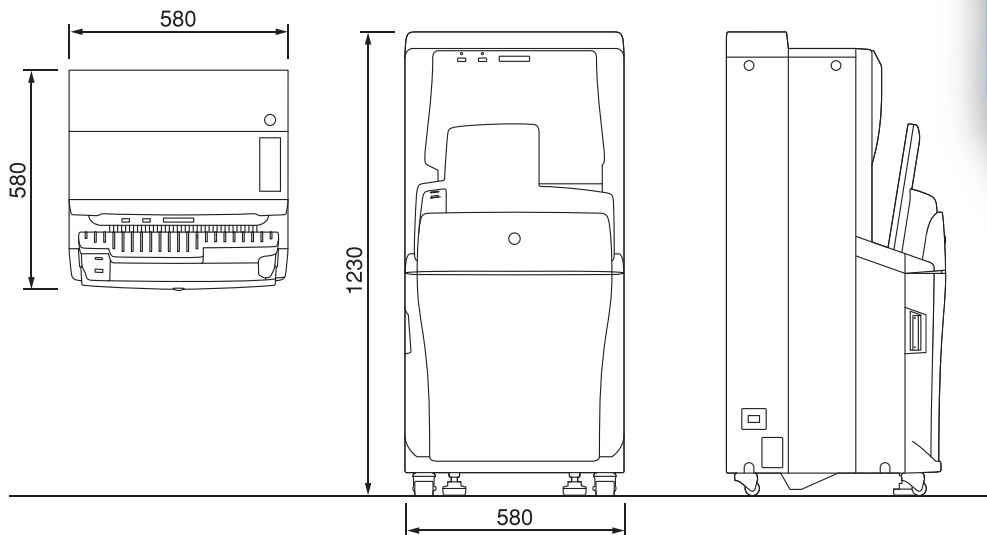# ch of 43.75μm* for digital mammography reading.

S P E C I F I C A

Direct Digitizer REGIUS MODEL 210

■ **Exposure size**
14x17" / 14x14" / 11x14" / 10x12" /8x10"
18x24 cm / 24x30 cm / 15x30 cm and others

■ **Sampling pitch**
3 types: 87.5 / 175 and 43.75 µm* for mammography

■ **Maximum resolution**
4020x4892 (14x17" / 87.5 µm)
5440x6776 (24x30 cm / 43.75 µm / mammography)

■ **Digital gradation level**
4096 levels (12 bit)

■ **Processing capability**
Approx. 100 plates /hour (14x14" / 175 µm)

■ **Slots**
Insert x 1 (plus one stack)
Eject x 1 (4 stack)

■ **Outer dimensions/weight**
W580 x D580 x H1230 mm /approx. 170 kg

■ **Power consumption**
AC100/115/120/200/220/230/240 V ±10 %
50/60 Hz approx. 1.1 kW

■ **Operating conditions**
Temperature: 15-30 °C
Humidty: 35-80 % RH (no condensation)

* Optional license

REGIUS MODEL 210 Outer Dimensions

580

580

1230

580

Unit : mm 1/20 scaled

Console CS-7

■ Image processing
Automatic Gradation Processing (G Processing)
Frequency Processing (F Processing)
Equalisation Processing (E Processing)
Hybrid Processing (H Processing)
Hybrid Smooth Processing (HS Processing)

■ Image output supported
Host: up to 4 channels
Printer: up to 2 channels

■ DICOM support
Basic greyscale print management (SCU)
Storage (SCU)
Modality worklist management
Modality performed procedure step
Greyscale standard display function (Print output)

■ CR / DR connections
AeroDR: up to 4 simultaneously connected detectors
Regius cassette reader: up to 15 units

■ Main options
Hardware options
　Barcode reader for Regius cassette registration
　In-room sub monitor

Software options
　DICOM MWM / Detached FTP
　DICOM MPPS
　DICOM Storage output
　DICOM Print
　X-ray generator connection
　Media storage
　Text annotation
　CR Acquisition (up to 15 Regius readers)
　DR Acquisition (up to 4 AeroDR detectors)

★Specifications are subject to change without prior notice.

**REGIUS
MODEL 210**

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