



KONICA MINOLTA

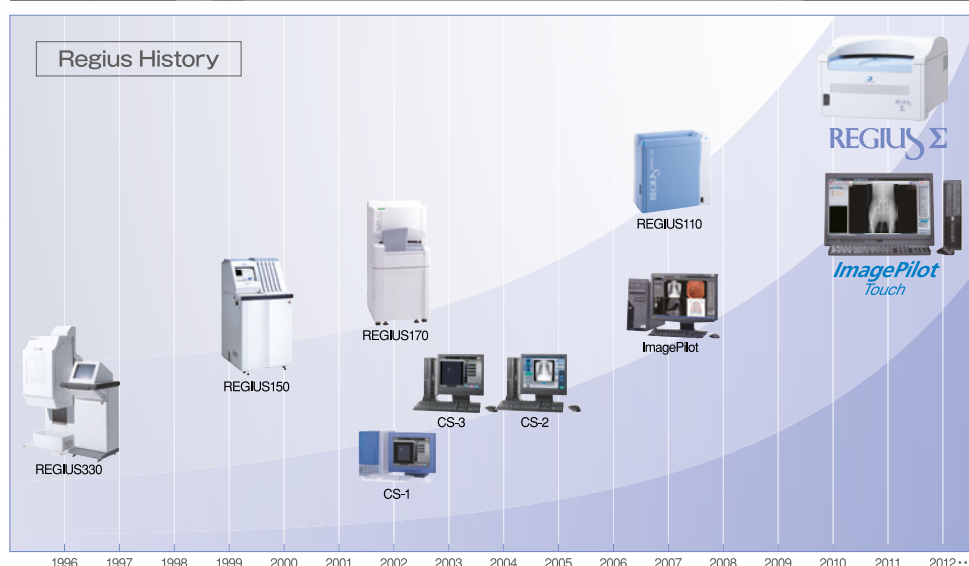
# REGIUS $\Sigma$



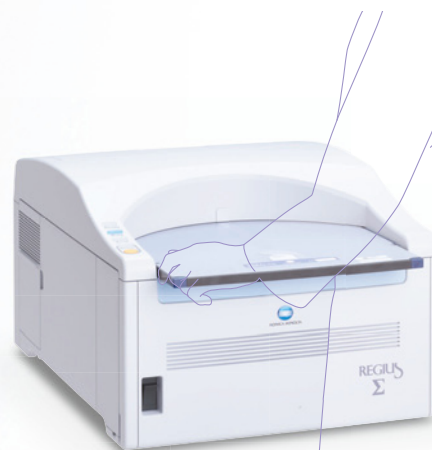
The essentials of imaging

Konica Minolta has been a CR technology leader since 1996 - consistently designing, developing, and delivering innovative solutions. The REGIUS  $\Sigma$  represents the sum of this experience. REGIUS  $\Sigma$  delivers a compact and affordable imaging solution that maintains the superior image quality and reliability expected from our REGIUS family of products. Combined with the redesigned ImagePilot software, the REGIUS  $\Sigma$  provides simple operation and smooth workflow to a wide range of medical practitioners.

# REGIUS $\Sigma$



# From patient registration to long term archive,



## I. Register

Manual or automated patient registration from anywhere in the office. Select the patient from the worklist or input patient information. No need to specify body part or exam type.

### ■ Patient data management

The ImagePilot server can manage more than 200,000 patients. With any registered patient, users can acquire new images or review prior exams.

### ■ Seamless Link with EMR and RIS

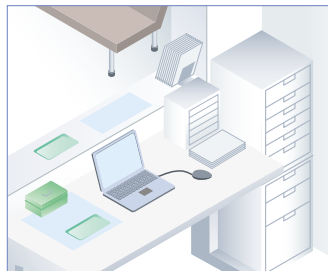
You can acquire patient information from an EMR or RIS which supports MWM.



### ■ Useful Registration

Use an existing PC\* (i.e. at the reception area) for patient registration, if desired.

\*Please confirm the specification for the client PC of ImagePilot



## II. Digitize

Just insert an exposed cassette into the REGIUS Σ CR reader. The ImagePilot then automatically processes the image for optimised diagnostic viewing.

### ■ Quick Preview

Fully automated image processing produces consistent optimised images that display within 45 seconds.



### ■ Print composition

ImagePilot supports a print composer mode. Use this mode from any client station to print multiple images on one sheet of film or paper.



▲ Print Composer

### ■ Easy recovery

If a plate jam occurs, it can be removed easily by opening the top cover or the backside cover.



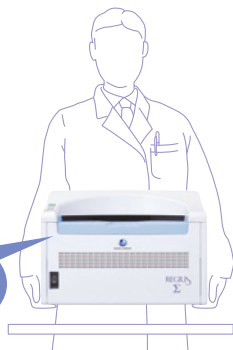
# COMPACT

REGIUS  $\Sigma$

## Konica Minolta's Ultra-Compact CR

The REGIUS  $\Sigma$  is Konica Minolta's smallest and lightest CR. The desktop CR has a footprint of only 1.31m<sup>2</sup> and weighs a mere 28kg.

0.11m<sup>3</sup>  
& 28kg



## Environmentally Friendly

The REGIUS  $\Sigma$  was designed with the environment in mind. Energy consumption has been reduced to 100VA - about the same as a household light bulb. That's one tenth the power of the smallest film processor.



# HIGH QUALITY

## High Resolution

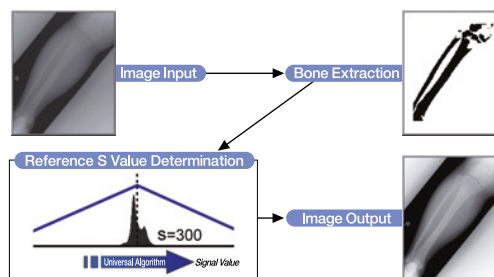
The REGIUS  $\Sigma$  supports pixel sizes of 87.5 $\mu$ m and 175 $\mu$ m for all cassette sizes, achieving a maximum resolution of 4020x4892 pixels (35x43 cm at 87.5 $\mu$ m).

87.5 $\mu$ m/  
175 $\mu$ m



## Integral Processing

Integral Processing - the result of Konica Minolta's vast imaging experience - is a robust algorithm that produces the optimum diagnostic image automatically. This patented technique greatly simplifies X-ray image acquisition while delivering incredibly consistent image quality and virtually eliminating retakes.



# SMART CONSOLE

ImagePilot

## All-in-One!

The ImagePilot software combines CR image acquisition and PACS functionality. It is a complete workflow solution for clinics, imaging centers, and small hospitals. From one GUI, users can acquire, review, distribute and archive patient images.



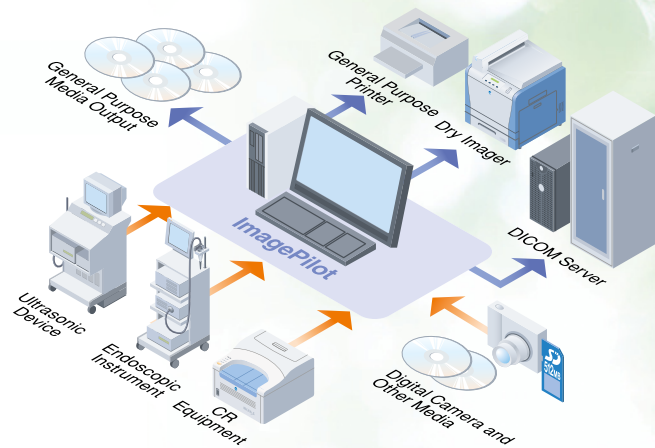
## Easy Control

ImagePilot supports a multi-touch display for the easiest operation. More than 100 functions are literally at the tips of your fingers.





# Konica Minolta provides complete workflow.



## III. View

Images can be viewed at up to 20 ImagePilot client workstations throughout the office. Each client supports all the same ImagePilot functions - the same GUI at every workstation.

## IV. Archive

With storage capacities up to 2TB, ImagePilot can archive up to 300,000 images on its expandable servers. And this can be expanded even further with add-on storage.

\*For available configurations, please contact your salesperson.

### ■ Multifunctional Viewing

ImagePilot supports over 100 features and functions.

- **Annotation**  
Line/Arrow/Rectangle/Text/Shutter/Marker, etc.
- **Scaling**  
Vertebral Heart Scale/Distance/Angle/Cobb Angle, etc.
- **Image Tools**  
Window Level/Zoom/Pan/Magnifier/REGIUS Processing, etc.
- **Report**
- **Other Modality Image**



### ■ Web Viewing

At home or at your secondary practice location, you can view the images on your ImagePilot server via VPN.



### ■ DICOM Image Communication

ImagePilot supports DICOM Store for sending patient images to a remote PACS or for receiving images from other PACS systems or modalities. ImagePilot also supports DICOM query/retrieve for greater utility.

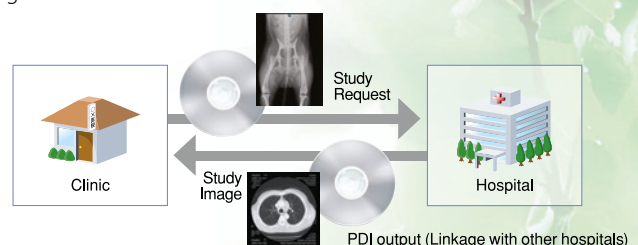


### ■ NAS/DVD Backup

To secure the data stored on the ImagePilot server, you can create a backup on CD/DVD or NAS.

### ■ PDI Output

To easily share patient data with other clinics, hospitals or clients, ImagePilot can create a PDI CD/DVD which includes a DICOM viewer.



## REGIUS SIGMA Specifications

### ■ Cassette size

14"x17", 14"x14", 11"x14",  
15x30cm, 24x30cm, 18x24cm

### ■ Sampling Pitch

2 Types: 87.5µm / 175µm

### ■ Maximum Resolution

4,020x4,892 (14"x17", 87.5µm )

### ■ Digital Gradation Level

4096 levels (12 bit)

### ■ Processing Capability

Up to 25 plates / hour (14"x17", 175µm )

### ■ Slots

Insertion / ejection slot x 1

### ■ Outer Dimensions/Weight

W510 x D610 x H355mm / Approximately 28kg

### ■ Power Supply Conditions

100VA max during operation: 20VA when not in use

### ■ Operating Conditions

Temperature : 10-30°C

Humidity : 15-80% RH (No Condensation)

### ■ Readable Cassette

REGIUS CASSETTE RC-300

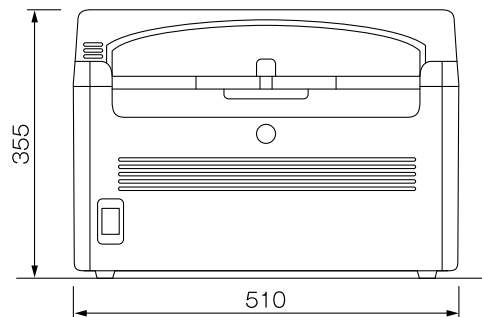
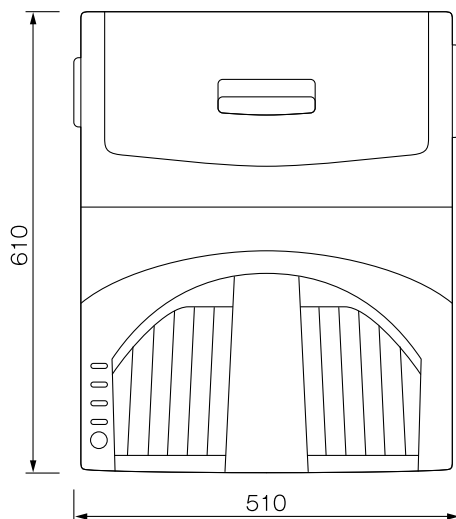
14"x17", 14"x14", 11"x14", 24x30cm, 18x24cm, 15x30cm

### ■ Readable Plate

REGIUS PLATE FP-1S

14"x17", 14"x14", 11"x14", 24x30cm, 18x24cm, 15x30cm

## REGIUS SIGMA Outer Dimensions



Unit : mm 1/10 scaled

Brand Name : REGIUS Σ  
Type : DIRECT DIGITIZER  
Model : REGIUS SIGMA

★Specifications are subject to change without prior notice.



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