



**COMPUTED
RADIOGRAPHY
FOR EXTREMITIES**



**Premium CR
solution**

Single moving part

**50 plates
per hour**



High fidelity images

One true flat scan path

The Extreme 50 has a patented design that incorporates one true flat scan path, an ultra precise mechanism, and protective cassettes to produce over 300,000 high resolution images per plate.

The imaging plates are affixed to a rigid back panel, ensuring nothing ever touches the active area. Unlike most CR products, the Extreme 50 uses no rollers to transport the plate across the scan head. The positive traction drive system ensures perfect artifact free reproduction.

The Extreme 50 was designed for general radiology and orthopaedics, as well as to complement existing CR installations, and the 50 plates per hour throughput makes it ideal for medium to high volume environments. The Extreme 50's footprint makes it a perfect fit for any location.

This system is the result of precision engineering--integrating electronic, optical and mechanical design--yielding high quality digital imaging tools for the medical profession.

KEY ITEMS

- Premium CR solution
- 50 plates per hour 14" x 17" cassettes only
- 70 plates per hour mixed size cassettes
- Patented one true flat scan path
- Low cost of ownership
- Advanced image processing
- 12-month warranty on equipment and cassettes
- 36-month warranty on imaging plates
- Reina QPC XSCAN32 software
- EDGE high fidelity multi scale image processing
- Interactive and automatic image processing

Reina Imaging has been a leader in bringing computed radiography to diagnostic imaging for years, continuing our mission to "improve the image of x-ray technology."



Reina Imaging's full range of CR solutions are designed to grow and adapt to the evolving medical imaging environment.

From image acquisition to teleradiology and digitizing, and image quality control to processing, we offer everything you need for streamlined, effective workflow management.

Reina Imaging remains dedicated to its mission of: Improving the image of x-ray technology.



EXTREME 50 SPECIFICATIONS

GRAYSCALE RESOLUTION:

16 bits/pixel source file, 65000 shades of gray

AUTOMATIC ERASING

AUTOMATIC CASSETTE HANDLING

DIMENSIONS:

14"W x 26"H x 45"L inches

35.6"W x 66"H x 114.3"L centimeters

WEIGHT:

Approx. 85 lbs.

POWER:

100-240 V AC/2.5A max: 47-63 Hz

IMAGING PLATE SIZES:

- 14" x 17" (35 x 43 cm)
- 10" x 12" (24 x 30 cm)
- 8" x 10" (18 x 24 cm)

Odd plate sizes accepted and flexible plates scanned using Flex-scan cassette system (patent pending)

ENVIRONMENTAL CONDITIONS:

Temperature: 0-40 C/32-105 F

- Temperature change: 0.5 C/min.
- Humidity: 15%-95% RH
- Magnetic fields: max. 1260 μ T (in conformance with EN61000-4-8; level 3), 10 A/m

HEAT DISSIPATION:

Standby 230W, Maximum 1610W

COMPUTER CONFIGURATION:

- Pentium, 4 class device
- 80 GB HD, 1 GB RAM
- Windows 2000 or XP
- Modem, NIC card, CDR-W
- USB 2 high speed interface

SCAN TIME:

- 70 plates per hour mixed cassette sizes
- 50 plates per hour 14" x 17" cassettes only
- 42 second access time
- 70 seconds 14" x 17" at 200 micron spot size

MICRONS DEPENDENT ON:

Processor speed, RAM disk access time, video card

OTHER FEATURES:

- Integrated eraser
- Variable erase time selectable
- Scanning and erasing in one step, ultra high throughput
- Single internal moving part
- Precision rack and pinion drive system
- High resolution and standard resolution selectable scanning parameters
- True Flat Scan Path™
- No plate damage/wear during scan process

APPROVALS:

- U.S. and international patents granted, additional patents pending
- Medical CE compliant

SAFETY STANDARD:

FDA approved/CE approved



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Since 1978

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