



## CR 75.0™ DIGITIZER

for Computed Radiography

*Maximizing productivity for the complete range of clinical applications*



- > **CR 75.0 IS A MULTI-USER DIGITIZER FEATURING A UNIQUE DROP-AND-GO BUFFER THAT ELIMINATES WAITING TIMES AND MAXIMIZES PRODUCTIVITY**
- > **CR 75.0 IS A MULTI-APPLICATION DIGITIZER, BENEFITING FROM THREE DIFFERENT IMAGE RESOLUTION MODES**

- No waiting times for improved patient care
- Input/output buffer for maximized productivity
- For a broad range of applications

### **Highest productivity**

The cassette buffer eliminates waiting times and allows for a continuous workflow within the department. Zero-button operation with automated cassette handling makes CR 75.0 a highly productive and user-friendly system with a throughput of up to 115 plates an hour, depending on size and application.

### **No waiting**

The CR 75.0 digitizer requires no manual interaction and all the user has to do is to deposit the cassettes in the input buffer (up to 10 cassettes). The digitizer automatically takes cassettes from the input buffer and reads the demographic data from the memory on the cassette. It then scans the imaging plate, digitizes the

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Integrated CR User Station for time-saving identification and optimized workflow



image and returns the cassette to the output buffer for new exposures.

### **Full data**

CR 75.0 reads imaging plates at a standard resolution of 6 pixels/mm. 10 pixels/mm high resolution capability is available for all image plate sizes. 20 pixels/mm resolution will be available for dedicated 18 x 24 cm and 24 x 30 cm extremities cassettes and plates.

### **Compact footprint & optimal accessibility**

CR 75.0 occupies a very small floorspace and at the same time provides unhindered access to several users, both at the input and the output buffer, resulting in a smooth flow of operations. This concept makes CR 75.0 the state-of-the-art solution for centralized CR environments.

### **Universal CR User Station**

Optionally, a fully integrated CR User Station is available. The CR User Station is suitable for all CR environments:

- Decentralized CR  
(Surgery, Intensive Care Unit, Emergency Room,...)
- Personal CR
- In-room CR solutions.

Its modular and ergonomic design includes:

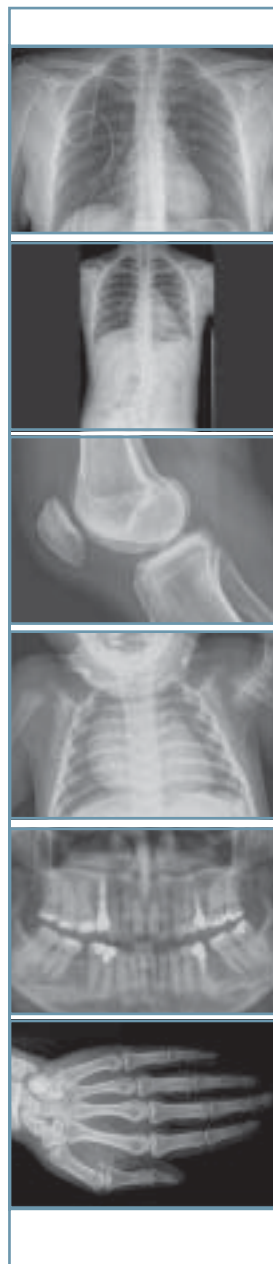
- Cassette identification functions
- Space for:
  - Workstation for image handling, processing and dispatching
  - Monitor, network switches and UPS
  - Cassette storage

### **An economical way to go digital**

CR is compatible with all existing X-ray systems allowing X-ray departments to go digital without significant additional investments and workflow adaptations.

## > CASSETTE SIZES

ACCEPTED CASSETTE SIZES	SPATIAL RESOLUTION	PIXEL MATRIX SIZE
<b>Standard resolution</b>		
35 x 43 cm (14 x 17 in)	6 pixels / mm	2320 x 2826
35 x 35 cm (14 x 14 in)	6 pixels / mm	2320 x 2320
<b>High resolution</b>		
35 x 43 cm (14 x 17 in)	10 pixels / mm (option)	3480 x 4240
35 x 35 cm (14 x 14 in)	10 pixels / mm (option)	3480 x 3480
35 x 43 cm (automatic collimation to 21 x 43 cm)	10 pixels / mm	2020 x 4240
24 x 30 cm	10 pixels / mm	2320 x 2920
18 x 24 cm	10 pixels / mm	1720 x 2320
15 x 30 cm	10 pixels / mm	1420 x 2920
8 x 10 in	10 pixels / mm	1950 x 2460
10 x 12 in	10 pixels / mm	2460 x 2970
<b>Extremities</b>		
24 x 30 cm	20 pixels / mm	4760 x 5840
18 x 24 cm	20 pixels / mm	3560 x 4640



## > SAFETY

REGION	REGULATION	X-RAY	LASER
<b>Europe</b>	EN 60601-1: 1990 + A1: 1993 + A2: 1995 EN 60601-1-2: 2001	Regulation: 1987	EN 60825 - 1:2001
<b>USA</b>	UL 2601 21CFR part 820: good manufacturing practice for medical devices	DHHS/FDA 21 CFR part 1002, subchapter B	DHHS/FDA 21 CFR parts 1040, 10 and 1040, 11
<b>Canada</b>	CSA22.2 No.601.1 No.601.1.2		

## > TECHNICAL SPECIFICATIONS

### General

#### Cassette buffer capacity and performance

- 10 cassettes of mixed sizes, both in input and output buffer
- Throughput: up to 115 plates/h (depending on size and application)

#### LCD display

Machine status and error conditions

#### Greyscale resolution

- Data acquisition: 12 bits/pixel
- Output to processor: 12 bits/pixel

#### Dimensions and weight

- W x D x H: 84 x 115 x 142 cm (33 x 45 x 56 in)
- At foot: 84 cm (33 in)
- At buffer: 142 cm (56 in)
- Weight: Approx. 320 kg (750.5 lbs)

#### Power

50/60 Hz single phase

240V +10%, max. fuse 16A

230V ±10%, max. fuse 16A

208V ±10%, max. fuse 15A (e.g. USA)

200V ±10%, max. fuse 15A (e.g. Japan)

#### Environmental conditions

- Temperature: 20 - 30 °C (68 - 86 °F)
- Humidity: 10 - 80% RH
- Magnetic fields: max. 12.60 µT
- Rate of change of temperature: 0.5 °C/minute

#### Environmental effects

- Noise level: max. 65 dB (A)
- Heat dissipation: standby 350 W, max. 2000 W

### Safety

#### Approvals

TüV, UL, cUL, CE

#### Transport details

- Temperature: -25 to +55 °C (-4 to 131 °F), -25 °C for max. 72 hours, +55 °C for max. 96 hours
- Humidity: 5 - 95% RH



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