CR 75.0™ DIGITIZER

for Computed Radiography

Maximizing productivity for the complete range of clinical applications

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

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
Standard resolution		
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
High resolution		
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
Extremities		
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
Europe	EN 60601-1: 1990 + A1: 1993 + A2: 1995 EN 60601-1-2: 2001	Regulation: 1987	EN 60825 - 1:2001
USA	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
Canada	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

Agfa-Gevaert has been approved by Lloyd's Register Quality Assurance limited to the following Quality Management System Standards: ISO 9001:1994; EN ISO 9001:1994, and ANSI/ASQC Q9001-1994. The Quality Management System is applicable to the development, production and distribution of Agfa Medical Films.

Agfa-Gevaert has been awarded the Approval of Conformity Certificate by Lloyd's Register Quality Assurance. It certifies that the Quality Management System for our X-Ray films conforms to the requirements of Annex V of the EEC Directive 93/42 and Medical Devices Regulation 1994:3017.

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Agfa-Gevaert had been awarded the ISO 9001 certificate by TÜV Zertifizierungsgemeinschaft e.V. This is applicable to Agfa's Quality Management System for design, production and servicing of Agfa Medical Equipment.

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