



DRYSTAR® 4500M

Optimized image quality
in digital mammography

- Outstanding imaging quality across all applications
- Small footprint and low investment
- Optimum results with DRYSTAR Mammo media
- Dual media sizes on-line
- Reliable by design, easy to use

> **THE DRYSTAR 4500M IMAGER IS A HIGH-RESOLUTION, HIGH-THROUGHPUT DUAL MEDIA SIZE DRY HARDCOPY IMAGER DEDICATED TO DIGITAL MAMMOGRAPHY.**

Close-to-application imaging

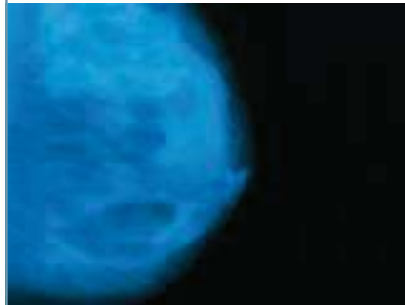
The DRYSTAR 4500M imager's small footprint and its low investment mean that prints can be made where you need them: right next to you! There is always room for this floorstanding unit within direct reach of the application it serves, even in the most space restricted environment.

New optimized mammography media for high resolution

The new DRYSTAR 4500M imager uses DRYSTAR Mammo media, especially developed and optimized for mammography applications. The best results are obtained when using them together. With its high maximum density ($D_{max} > 3.5$), even the most subtle grey-level changes required for mammography applications can be visualized. With its 508 ppi, DRYSTAR 4500M produces sharp images ideally suited for digital mammography.



DRYSTAR 4500M



Two media trays/two media sizes on line

DRYSTAR 4500M features two media trays. The top tray can hold up to 100 sheets of 8 x 10" media, while the bottom tray also holds either 100 sheets of 8 x 10" –for increased capacity– or 10 x 12" to print images from larger size detectors.

Two applications, one printer

In most mammography examination centres, ultrasound modalities are on site for complementary examinations. With its two media trays, DRYSTAR 4500M makes prints from both applications on dedicated media.

So while the top tray holds DRYSTAR Mammo for digital mammography images, the bottom tray can be configured for DRYSTAR DT1 B media (8 x 10", 10 x 12") for ultrasound images. This means DRYSTAR 4500M can cover all your department's printing requirements.

Built-in quality assurance

DRYSTAR 4500M has a built-in macro densitometer, specifically developed for mammography applications, to check calibration and image quality. Furthermore, an automatic Quality Assurance tool is provided for daily quality checks.

High productivity

DRYSTAR 4500M can print up to 80 sheets/hour in 8 x 10" and up to 60/hour in 10 x 12". It is thus perfectly suited for a department with several imaging modalities, matching the performance and functionality of them all.

Full DICOM compliancy

DRYSTAR 4500M, like the complete DRYSTAR family of imagers, is fully DICOM compliant.

Environmental benefits

The DRYSTAR family of imagers received the European Environmental "Product Award for Sustainable Development" in appreciation of their improved environmental performance over conventional systems.



Enhancing imaging quality

As part of our continual drive to provide you with perfect image quality, our award winning Direct Digital Imaging (DDI) technology has been enhanced to include A#Sharp technology. This technology intensifies imaging capability, enabling DDI to provide sharper image quality across all applications.

TECHNICAL SPECIFICATIONS

GENERAL

Dimensions and weight

- W x D x H: 55 x 72 x 92 cm
(21.6 x 28.3 x 36.2 inch)
- Weight: 95 kg (209.4 lbs)

Power requirements

- Auto ranging: 100-240V, 50/60 Hz
- Average consumption: 300 W
- Peak consumption: 530 W

Media supply trays

- Upper input tray: 8 x 10 inch, 100 sheets
- Lower input tray: 8 x 10 inch or 10 x 12 inch (configurable), 100 sheets

Operating conditions

- Temperature: 15 - 30 °C (59 - 86 °F)
- Humidity: 20 - 75% RH, non-condensing

Storage/shipping conditions

- Temperature: -25 to +55 °C (-11 to 131 °F)
-40 to +70 °C for transport (-40 to 158 °F)
- Humidity: 10 - 95% RH, non-condensing

Heat dissipation

- Standby power: 100W / 360kJ/h
- Average printing power: 300W / 1080kJ/h
- Peak power: 530W / 1908kJ/h

Safety

- IEC 601-1, IEC 601-1-1
- UL2601
- CSA 22.2 no. 601.1-M90
- VDE 0750

PERFORMANCE

Throughput

- 8 x 10 inch: 80 films/h (45 sec. per film)
Access time first film: 100 sec.
- 10 x 12 inch: 60 films/h (60 sec. per film)
Access time first film: 125 sec.

Diagnostic area for mammo application

- 8 x 10 inch: 3828 x 4958 pixels
- 10 x 12 inch: 4892 x 5810 pixels

Diagnostic area for general applications

- 8 x 10 inch: 3728 x 4672 pixels
- 10 x 12 inch: 4672 x 5760 pixels

Printing resolution

- Geometrical: 508 ppi
- Contrast: 8/12 bit contrast resolution

Connectivity

- Ethernet TCP/IP, FTP, Telnet, HTTP, SNMP, SMTP, LPD
- Image formats: DICOM, TIFF, PostScript® (optional)
- For the Agfa DICOM conformance statement (n° 000584), see the Agfa web site: www.agfa.com

MEDIA

Types

- DRYSTAR Mammo blue base media
optimized for mammography
- DRYSTAR DT1 B blue base media

Sizes

- Two on-line sizes possible: 8 x 10 inch and 10 x 12 inch

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