



AGFA
RADIOLOGY
SOLUTIONS

DRYSTAR AXYS

Imager

Flexible, table-top imager delivering mammography-quality images.

DRYSTAR AXYS is a dual film size, Direct Digital imager with excellent image quality.

- > Multi-application hardcopy solution
- > Mammography-quality images, with 508 dpi image resolution
- > Very short access time, for fast delivery of first 5 prints
- > Convenient imaging, with two film sizes on-line
- > Reliable, flexible and affordable

Small footprint, enormous potential

DRYSTAR AXYS offers a great range of possibilities, despite its compact size. It can be used in both centralized workflows and with dedicated applications. Fitting a full range of applications, it also features daylight handling for the two on-line media trays, with five media sizes and three different media types available. The imager thus offers enhanced flexibility and convenience, and the ability to use multiple media sizes makes the DRYSTAR AXYS suitable for all applications. In addition, its ultra-short access time for the first five prints, as well as its efficient throughput, provide increased productivity.

Direct Digital Imaging: More reliability, for more availability

As with all of Agfa's DRYSTAR family of imagers, DRYSTAR AXYS features Direct Digital Imaging (DDI). This solid-state technology avoids the use of complex optical components, for an imager that is more reliable and durable by design. In addition, DRYSTAR AXYS is ecological and user-friendly, requiring no wet processing, darkroom, complicated adjustments or cleaning procedures. The chemicals, waste handling and disposal costs of darkroom film processing are things of the past.

High-quality mammography images from a table-top imager

With DRYSTAR AXYS, the mammography department can enjoy all the convenience of a table-top, digital imager. Its high resolution of 508 dpi perfectly matches the 50 µm modality resolution, without interpolations. The result is the excellent image quality required for diagnostic mammography images. Yet the DRYSTAR AXYS offers the same reliability, affordability and convenient size of all the Agfa DRYSTAR table-top imagers.

The right fit for both centralized and dedicated environments

DRYSTAR AXYS is the right solution for both smaller facilities with limited space and lower patient volume, and larger facilities with many departments. As a centralized imager, it supports a wide range of applications, including CT, MR, DSA and US, as well as CR/DR applications for GenRad, Mammography, Orthopaedics, Dentistry, etc. Equally, its compact design makes it the ideal dedicated departmental imager: for example, for the digital mammography department.

Easy connectivity for maximum flexibility

DRYSTAR AXYS is a DICOM-native imager, which makes network connectivity easy.

A#Sharp: Enhancing imaging quality

As part of our continual drive to provide you with excellent 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 & weight

Dimensions (W x D x H): 72.8 x 71.5 x 53.6 cm
(H = 67.6 cm with output tray); 28.7 x 28.1 x 21.1"
(H = 26.6" with output tray)
Weight (without film): 90 kg (198 lbs)

Power requirements

Auto ranging 100 - 240 V: 50/60 Hz

Power consumption

Printing: 250 Watt
Peak: 530 Watt
Standby: 70 Watt

Capacity of supply tray

100 sheets per supply tray

Heat dissipation

Standby power: 70 Watt
Average printing power: 250 Watt
Peak power: 530 Watt

Environmental requirements

Operation

Temperature: +15 ~ +30° C (59 to 86° F)
Humidity: 20 ~ 75% Rh (non condensing)

Storage and transportation

Temperature: -25 ~ +55° C (-13 to 131° F),
for transport: -40 ~ +70° C (-40 to 158° F)
Humidity: 10 ~ 95% Rh (non condensing)



Performance

Throughput:

- 14 x 17": 75 sheets/hour
- 8 x 10": 130 sheets/hour (for mammography)

Access time first sheet:

- 14 x 17": 65 sec
- 8 x 10" MAMMO: 45 sec

Diagnostic area:

- General Radiography
- 8 x 10": 3852 x 4880 pixels
 - 14 x 17": 6922 x 8368 pixels
- Mammography
- 8 x 10": 3828 x 4958 pixels
 - 10 x 12": 4892 x 5810 pixels

Printing resolution

Geometrical: 508 dpi
Pixel depth architecture: 14 bit

Media

Types:

- Agfa dry film: blue base
- Agfa dry film: clear base
- Agfa dry Mammo film

Sizes:

- Agfa dry film: 8 x 10", 10 x 12", 11 x 14", 14 x 14 "and 14 x 17"
- Agfa dry Mammo film: 8 x 10", 10 x 12", 11 x 14"
- 2 on-line sizes, any type or size

Safety

Standard:

- IEC 60601-1;
- UL 60601-1;
- CSA 22.2, Nr. 601.1 - M90;
- VDE 0750;
- Safety labels UL, cUL, TÜV-Mark



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