



DRYSTAR™ 5500

Imager

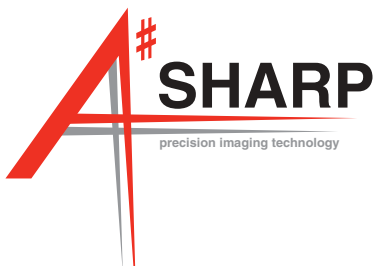
Multi-format, multi-modality,
high-resolution imager
for centralized workflow

- Outstanding imaging quality across all applications
- Multi-modality
- Multi-format and 2 media sizes on-line
- Diagnostic quality grayscale hardcopies of high quality
- Unique sorter function
- Mammography printing option

> **DRYSTAR 5500 IS A HIGH-THROUGHPUT, HIGH-RESOLUTION, DUAL MEDIA SIZE DIRECT DIGITAL™ IMAGER THAT CAN BE EASILY NETWORKED FOR MAXIMUM PRODUCTIVITY.**

Improved workflow across departments

Offering high throughput of up to 100 14 x 17" sheets/hour, unique multi-format architecture and sorting by modality function, DRYSTAR 5500 is a versatile partner capable of handling a diversity of printing tasks from different sources with speed and reliability.



DRYSTAR 5500

Imager



High-resolution of 508 ppi



Two media trays for two on-line media sizes



Unique sorter eliminates high-traffic bottlenecks

Every pixel tells a story

The Direct Digital Imaging technology employed by DRYSTAR 5500 is not only fast, clean and environmentally friendly, it is also one of the best ways of translating the high-resolution capability of 508 ppi at a spot size of 50 μ m to a final image. Agfa's Direct Digital Imaging technology performs well beyond current industry standards, ensuring that every pixel in the image is fully software controlled for virtually flawless and consistent image quality. A significant reduction in wear and tear is due to an equally significant reduction in moving parts as a result of using Direct Digital Imaging technology.

Multi-format and 2 media sizes on-line

Although DRYSTAR 5500 features multiple-format handling, the two most popular media sizes are permanently on-line. This means that the imager is capable of delivering CT, MRI, DSA, digital R&F, CR and DR images at high speed onto two different DRYSTAR DT2 media, sizes from 8 x 10" to 14 x 17", making the final image versatility of this stand-alone, small footprint unit remarkable. And what DRYSTAR 5500 gains in versatility, the user gains in convenience and time.

Sorting it out

In order to increase efficiency and user-friendliness, DRYSTAR 5500 has a unique sorter function. This ensures that whichever modality is being served, whichever print command is currently being handled, all tasks will be carried out and sorted, according to modality or patient record, if available. With DRYSTAR 5500, high traffic density input no longer means bottlenecks and slow-speed output at the imager, virtually eliminating log jams.

Integrated print solution

Through its intelligent matching of Direct Digital Imaging technology, media and imager, DRYSTAR 5500 is ideally suited to stand at the heart of an Agfa integrated solution. Its state-of-the-art DRYSTAR DT2 media delivers superior, diagnostic quality grayscale hardcopies. Because it is heat sensitive rather than light sensitive, DT2 offers the convenience of daylight loading. The dry imaging technology means no more wet processing, no darkroom, no complicated adjustments or cleaning procedure, and no chemical disposal costs. DRYSTAR DT2 media can be used in all formats: 8 x 10", 10 x 12", 11 x 14", 14 x 14" and 14 x 17".

Increasing performance for mammo

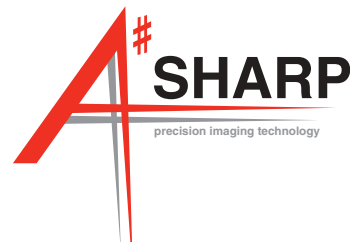
As an option, DRYSTAR 5500 can also print mammography images. Using our dedicated DT2 Mammo film ensures you the highest image quality, in accordance with mammography standards. With its 508 dpi resolution and the A#Sharp technology, DRYSTAR 5500 produces the sharpest images, ideally suited for digital mammography. An automatic quality assurance tool is built in to help you with your daily quality checks. Images can be printed on 8 x 10" film, as well as on 10 x 12" film for modalities with larger detectors. In the mammography mode, the DRYSTAR 5500 can print up to 140 8 x 10" mammo films per hour, fitting easily into an environment with several modalities, while ensuring full performance for the mammography department.



By bringing together a diversity of modalities within an appropriate user-friendly integration – sharp high resolution imaging, state-of-the-art technology, excellent media and maximum user-friendliness – DRYSTAR 5500 is well equipped to serve the multiple demands of a busy department.

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 & weight

- Dimensions: 72 x 71,5 x 141 cm (W x D x H)
(28,3 x 28,1 x 55,5 inch)
- Weight (without film): 188 kg (414 lb)

Power requirements

- Auto ranging 100 – 240 V: 50/60 Hz

Power consumption

- Average: 450 Watt
- Peak: 700 Watt
- Standby: 200 Watt

Media supply trays

- Upper and lower tray configurable for 8 x 10 inch, 10 x 12 inch, 11 x 14 inch, 14 x 14 inch or 14 x 17 inch, 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: 200 Watt / 720 kJ/h
- Average printing power: 450 Watt / 1620 kJ/h
- Peak power: 700 Watt / 2520 kJ/h

Safety

- IEC 60601-1 + A1 + A2
- EN 60601-1 + A1 + A2
- UL 60601-1
- CSA 22.2 no. 601.1-M90
- GB 4943-2001

PERFORMANCE

Throughput

- 8 x 10 inch:
 - On DT2 Mammo film: 140 sheets/hour
 - On DT2 film: 160 sheets/hour (23 sec. per sheet)
- 14 x 17 inch: 100 sheets/hour (36 sec. per sheet)
- Access time first sheet: 57 sec. (8 x 10 inch)
76 sec. (14 x 17 inch)

Diagnostic area

- 8 x 10 inch: 3852 x 4880 pixels
- 14 x 17 inch: 6922 x 8368 pixels
- 8 x 10 inch Mammo: 3828 x 4958 pixels

Printing resolution

- Geometrical: 508 ppi
- Spot size: 50 µm

Connectivity

- Ethernet TCP/IP
- Protocol: DICOM 3.0

MEDIA

Types

- DRYSTAR DT2 B: blue base
- DRYSTAR DT2 C: clear base
- DRYSTAR DT2 Mammo

Sizes

- 8 x 10 inch, 10 x 12 inch, 11 x 14 inch, 14 x 14 inch and 14 x 17 inch
- Two on-line sizes

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