



DRYSTAR™ 4500 *Imager*

High-resolution hardcopy
right where you need it

- Small footprint and low investment
- Cutting-edge, high-resolution Direct Digital Imaging
- DRYSTAR Direct Digital media available in blue base
- Dual media sizes on-line
- Reliable by design, easy to use

> ***THE DRYSTAR 4500 IMAGER IS A HIGH-RESOLUTION, HIGH-THROUGHPUT DRY DIRECT DIGITAL™ IMAGER THAT DELIVERS SUPERB IMAGE QUALITY FROM THE FIRST TO THE LAST PIXEL.***

Imaging right where you need it

With the DRYSTAR 4500 imager's small footprint and low investment, you can print where you have always wanted to: right next to you! Even in a space-restricted environment, there is room for a DRYSTAR 4500 imager to stand next to the application it serves.

Cutting-edge Direct Digital Imaging

DRYSTAR 4500 offers the latest developments in Direct Digital Imaging technology. The 10" wide print head, combined with sophisticated image processing software and on-line densitometer for consistency of image quality, delivers superb image quality from first to last pixel. DRYSTAR 4500 has a high resolution of 508 pixels per inch. This makes it particularly well suited for CR applications. Agfa's Direct Digital Imaging technology, unlike laser-based systems, contains fewer moving parts, for a system that's reliable by design.

DRYSTAR 4500

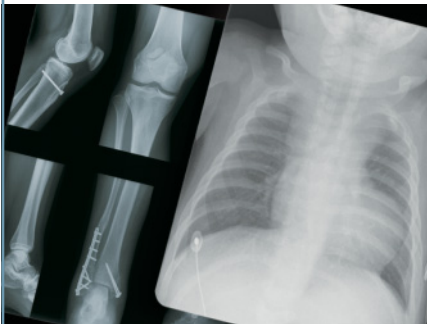
Imager



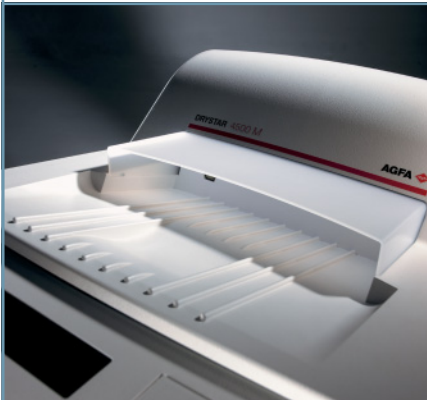
Easy daylight loading in tabletop input trays



Two media trays for two on-line media sizes



High-resolution 508 dpi



Designed for ease of use

DRYSTAR 4500 excels in simplicity of use. There is no need for special supply magazines or light-protective packaging. Media input trays are conveniently located at tabletop height at the front of the unit, and loading may be performed in broad daylight. The output tray is positioned on top of the imager, for easy and ergonomic access. The very straight media path significantly decreases the incidence of jams.

Dual media sizes on-line

The imager has two media trays, each of which can hold 100 sheets. The top tray holds 8 x 10" media, while the bottom tray can be configured either for 8 x 10" media, to increase the input capacity, or for 10 x 12" media, for two on-line media sizes.

Savings on media costs

With its high-resolution 508 dpi, DRYSTAR 4500 can print the complete bitmap of a scanned 14 x 17" imaging plate on a 10 x 12" sheet without losing any information. In this way, you can save on media costs for those applications not demanding 'true size' images.

No waiting

DRYSTAR 4500 is equipped with an internal high capacity hard disk (18 Gbyte or more) for print job spooling. Thanks to this spooling disk, modalities can send their print jobs at any time; no modality has to wait to send its print jobs.

A total, one-stop imaging solution

Through its intelligent matching of Direct Digital Imaging technology, media and imager, DRYSTAR 4500 is designed to stand at the heart of Agfa's integrated solutions. Combined with state-of-the-art DRYSTAR DT1 media, diagnostic quality grayscale hardcopies of the highest standard are delivered time after time. Because it is heat-sensitive rather than light-sensitive, DT1 adds the convenience of daylight loading. For the DRYSTAR 4500, DRYSTAR DT1 is available in 2 media sizes: 8 x 10" and 10 x 12".

TECHNICAL SPECIFICATIONS

GENERAL

Dimensions & weight

- Dimensions: 55 x 72 x 92 cm (W x D x H)
(21.6 x 28.3 x 36.2 inch)
- Weight (without film): 95 kg (209.4 lbs)

Power requirements

- Auto ranging 100 - 240 V: 50/60 Hz

Power consumption

- Average: 300 Watt
- Peak: 530 Watt
- Standby: 100 Watt

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: 10 - 80% RH, non-condensing

Storage/Shipping conditions

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

Heat dissipation

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

Safety

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

PERFORMANCE

Throughput

- 8 x 10 inch: 80 sheets/hour (45 sec. per sheet)
- 10 x 12 inch: 60 sheets/hour (60 sec. per sheet)
- Access time first sheet: 100 sec. (8 x 10 inch)
125 sec. (10 x 12 inch)

Addressable print area

- 8 x 10 inch: 3832 x 4844 pixels
- 10 x 12 inch: 4844 x 5856 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 DT1 B: blue base

Sizes

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

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Printed in Belgium
Published by Agfa-Gevaert N.V.
B-2640 Mortsel - Belgium
NF4QML GB 00200409



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