

> **DRYSTAR 5500™**

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

- > **The DRYSTAR 5500 is a high-throughput, high-resolution, dual media size Direct Thermal™ imager that can be easily networked for maximum productivity.**

#### Improving workflow

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

#### Every pixel tells a story

The Direct Thermal technology employed by the 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 50µm to a final image. Agfa's Direct Thermal printing 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 Thermal technology.

#### Multi-format and 2 media sizes on-line

Although the 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 (8 x 10" and 14 x 17"), making the final image versatility of this stand-alone, small footprint unit nothing short of astonishing. And what the DRYSTAR 5500 gains in versatility, the user gains in convenience and time.

#### Multi-modality



Multi-format and  
2 media sizes on-line

#### Diagnostic quality grayscale prints of high quality



Unique sorter  
function

## Sorting it out

In order to increase efficiency and user-friendliness, the 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 the DRYSTAR 5500, high traffic density input no longer means bottle necks and go-slow output at the imager, virtually eliminating log jams.

## Integrated print solution

Through its intelligent matching of Direct Thermal print technology, media and imager, the DRYSTAR 5500 is ideally suited to stand at the heart of an Agfa integrated solution. Its state-of-the-art DRYSTAR DT2™ media delivers diagnostic quality grayscale prints of very high quality. Because it is heat sensitive, DT2 offers the convenience of daylight loading, while the dry imaging technology means no more wet processing, no darkroom, no complicated adjustments or cleaning procedures, 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".



*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 – the DRYSTAR 5500 is well equipped to serve the multiple demands of a busy department.*

## General

### Dimensions

72 x 71,5 x 141 cm (W x D x H)  
28,3 x 28,1 x 55,5 in (W x D x H)

### Weight

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", 10 x 12", 11 x 14", 14 x 14" or 14 x 17", 100 sheets of media

### Operating conditions

Temperature: 10 – 30 °C  
Humidity: 10 - 80% RH, non-condensing

### Storage / Shipping conditions

Temperature: - 40 °C to + 70 °C (+70 °C for transport)  
Humidity: 10 - 95% RH, non-condensing

### Heat dissipation

450 W/1620 kJ/h while printing

### Safety

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

## Performance

### Throughput

14 x 17", 100 sheets/h (36 sec per sheet)  
8 x 10", 160 sheets/h (23 sec per sheet)  
Access time first sheet: 76 sec (14 x 17")  
57 sec (8 x 10")

### Addressable print area

8 x 10": 3892 x 4920 pixel  
14 x 17": 6962 x 8408 pixel

### Printing resolution

Geometrical: 508 ppi  
Spot size: 50 µm  
Contrast: 12 bit contrast resolution

### Connectivity

Ethernet TCP/IP

### Protocol: DICOM 3.0

## Technical media data

### Media types

1. DRYSTAR DT2 B: blue base
2. DRYSTAR DT2 C: clear base

### Media sizes

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

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Printed in Belgium  
Published by Agfa-Gevaert N.V.,  
B-2640 Mortsel-Belgium  
NFY93 GB 00200303



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Products distributed in North America are manufactured for/by  
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