

# DRYSTAR 2000



## Dry imager for color and grayscale

The Agfa Drystar 2000 System, a unique imaging system consisting of the Drystar 2000 dry imager and Drystar films, is convenient, networkable and ecological.

Agfa Drystar dry imaging films are designed to produce the very highest diagnostic quality grayscale and/or color hardcopies generated by the Agfa Drystar 2000 imager.

Agfa is state of the art in dry technology for diagnostic imaging. The Drystar 2000 imager for grayscale and color hardcopy imaging is the 8x10" imager of choice.

### Color imaging

The laser-like image quality of Drystar TS color imaging films is thanks to Agfa's unique "Color Tuning" system, patent pending, which assures optimal print-to-monitor matching by using built-in compensation and calibration mechanisms. Color hardcopies provide essential diagnostic information for C-arm, Ultrasound, NM, and 3-D CT and MRI workstations.

The Drystar 2000 can be changed from grayscale to color or vice-versa within seconds.

### Grayscale imaging

A breakthrough in dry grayscale imaging, Drystar TM grayscale imaging films feature exceptionally high density and contrast and are indistinguishable from laser films. Drystar TM films produce crisp, stable images with the same "look and feel" as conventional film. Made of 175 µm PET, Drystar TM films are designed for light box viewing.

### The Drystar 2000 is convenient

Dry technology for printing diagnostic quality hardcopies in full daylight offers tremendous advantages. No chemistry, no processors, no darkroom and no expensive chemical disposal costs. Its compact size means it can be placed on a table-top or in mobile applications, or wherever it is most convenient for optimum diagnosis.

### The Drystar 2000 is ecological

With dry imaging - no chemicals or plumbing are needed. Agfa has taken special measures to reduce the amount of packaging material, and to assure that the packing which is used can be recycled after it has served its purpose. All plastic parts are specially marked, to assure efficient recycling of used units.

### The Drystar 2000 is networkable

Thanks to its modular concept, the Drystar 2000 can operate in both point-to-point or in an Impax network environment. The newest link in the Impax open network imaging chain, the Drystar 2000 offers "plug-in" networking. It can be connected anywhere on the network by means of a simple and inexpensive upgrade kit.

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### No waiting

The Drystar 2000 digital imager features built-in image spooling on an internal hard disk. This means high throughput because lock-out time is virtually eliminated. Black & white films require only 70 seconds, and color films 4 1/2 minutes (8x10") for the first prints, the second prints require even less.

### Choice of processing algorithms

The Drystar 2000 offers you the same interpolation possibilities as the Scopix LR-series laser imagers including replication, bi-linear and cubic-spline. Agfa allows you to improve image quality to the absolute maximum by giving you the flexibility to adapt the image output to your specific tastes.

### Choice of interfaces

The modular design offers optimal application to your specific imaging and networking requirements. A wide variety of interfaces are available including video (LLR to UHLR) to digital, Ethernet (DICOM 3.0 / TCP/IP) and SCSI.

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### Standard features :

- printing of full color and grayscale images on 175 µm PET base
- image spooling on internal hard disk
- multiple film layouts including: 1/1, 2/1, 4/1, 6/1 and 9/1 & super slides
- importing and exporting of TIFF images
- split mode option - automatic routing of all color images to the Drystar 2000 and all grayscale images to an LR 3300 Laser Imager
- optical resolution : 300 dpi (identical to the LR 3300 Laser Imager)
- 256 gray levels - 16.7 million colors
- maximum optical density :  
3.0 for TM 1 B grayscale films  
2.0 for TS color films
- patented color saturation matching system to reduce image artefacts
- standard internal keypad, display and foot-switch

### Drystar TS films :

- Donor ribbons :  
delivered in a handy, recyclable loading box  
each ribbon allows 100 hard copy prints
- Acceptor sheets (8x10" on a 175 µm PET base):  
clear base Drystar TS 2 C  
blue base Drystar TS 2 B  
opaque base Drystar TS 2 O

### Drystar TM films :

- 100 films per box
- blue base
- 8x10"
- delivered in a handy, recyclable loading box

Agfa-Gevaert has been awarded the ISO 9001 Certificate by Lloyd's Register Quality Assurance for the design, development, procurement and/or production, marketing and servicing of imaging and communication systems for medical applications. A high consistency of products is thereby provided.



### Technical Specifications

#### Safety standards

IEC 601.1  
UL 2601-1  
CSA nr 22.2 part 601.1  
VDE 0750

#### Dimensions

46 cm W x 68 cm D x 37 cm H

#### Weight

approx. 75 kg

#### Power requirements

100 - 240 V, 50/60 Hz

#### Power consumption

1500 VA max.

#### Operating conditions

Temperature : 10 to 35 °C  
Humidity : 10 to 80 %, non-condensing

Agfa-Gevaert has been awarded the Approval of Conformity Certificate by Lloyd's Register Quality Assurance. It certifies that the Quality Management System meets the requirements of the Medical Devices Directive 93/42/EEC.

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