

LASER IMAGER







Featuring 5-size printing capability and space-saving design.

Capable of printing 5 film sizes (14X17, 14X14, 11X14, 10X12, 8X10-inch). As well as adaptability to ever more diverse modalities. This versatility satisfies the size needs of CR, CT, MRI, Ultrasound, and mammography all in one imager.

one imager. Even with an optional six-tray sorter installed, the DRYPRO 793 boasts a footprint of a mere 0.43 m², making it the smallest full-size, multi-modality dry imager available.*

*Current as of December 2004.





Furnished with a wide range of convenient functions.

A Start Timer function automatically powers and warms up the unit by the time you get into the office. Previous Page printing makes reprinting films quick and easy. Status indicators let you know how much film remains in each tray.

Features not only compact design and high image quality....
DRYPRO793 presents a new concept that offers user-friendly design to achieve true ease of operation and security

Featuring a user-friendly, touch-screen interface.

Wide range of options available to meet user requirements.

One film tray is mounted in the standard configuration with optional second and third trays available. 14-in-0f, (accepts 14-X17, 14-X14, 11-X14-in-0f), 10-in-0f (accepts 18-X10-in-0f) and sin-0f (accepts 8-X10-in-0f) trays are available as options, providing flexibility of configuration to meet user needs. Additionally, a 6-channel sorter is offered to facilitate post-print sorting.

Even more advanced print management

DRYPRO 793 is furnished with a Web maintenance function that allows the user to use a PC on the same network to access such information as the device status and print progress via the web browser. This affords the user an added degree of security by enabling access to print progress from modalities at remote locations.



User-friendly operability

The DRYPRO 793 features a large, color, LCD touch panel. The crisp dear display provides easy reading in many selectable languages. The menus are intuitive and easy to navigate. The DRYPRO 793 also features new screen layouts for displaying film type

and size and system status.



Featuring new animated display

The DRYPRO 793 provides animated instructions in the event the imager runs out of film or requests some action for the user to take. The step-by-step animation presents procedures in an easy to understand format that facilitates quick resolution. This feature frees the user from the burden of referring to manuals in the course of day-to-day operation and makes the unit easy to use even for an inexperienced operator.



PERFORMANC

TECHNOLOGY

The DRYPRO 793 creates images of unrivalled clarity and sharpness by utilizing Konica Minolta's latest precision optics to produce a minimum pixel size of 25μm-the world's highest resolution!

In pursuit of high performance

The DRYPRO 793 offers a film printing capacity of 120 sheets per hour for 14"× 17" film (90 seconds for the first film), greater throughput for smaller film sizes at standard resolution, and 90 sheets per hour for 8"×10" film in the high resolution, 25 µm mode. Additionally, the newly designed film transport assembly handles varied film sizes seamlessly and reliably.

Full support of the digital mammography

The DRYPRO 793 has received its USA FDA 510k certification as a mammography output device. To ensure stability of mammography image quality, the DRY-PRO 793 provides a special mammography QC pattern and an additional roller cleaning mechanism.



Furnished with new-generation image processing software.

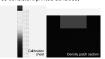
The DRYPRO 793 utilizes powerful image processing algorithms to simultaneously optimize the smoothness of images and the sharpness of text.

Diagnostic clarity is preserved and patient data is always legible, regardless of the size printed.

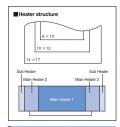


In relentless pursuit of output image stability.

The DRYPRO 793 utilizes a self-adjusting output density control function. To achieve this, a density patch is measured on every film. Complete grayscale calibration (38 steps) is performed when a new film box is loaded and also when a particular film tray has not been used for a set period of time. This regular calibration process ensures consistent printed densities.

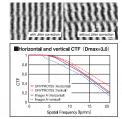


Defining new standards in image quality!



Newly developed HPRO (heat processing) unit

In order to achieve uniform processing on each film size, the heat processing drum incorporates five internal heaters for image stability during the heat developing



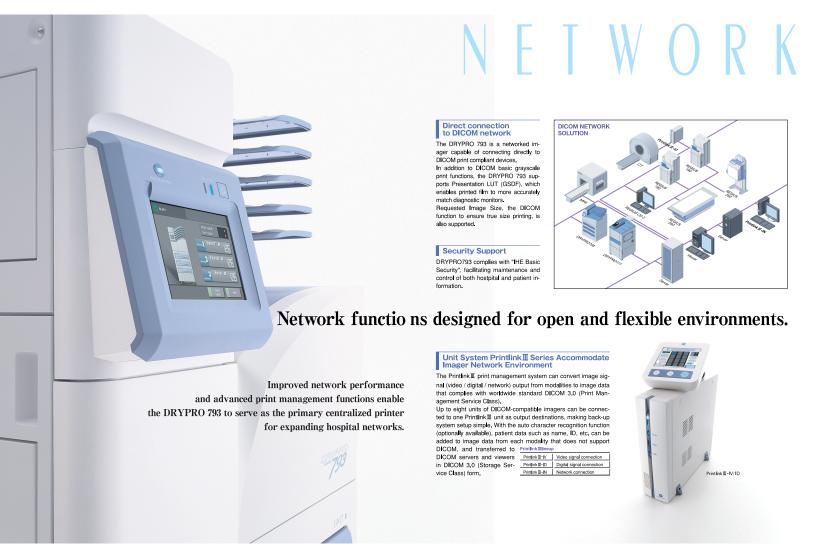
Equipped with an optical unit to produce the world's highest resolution.

In order to provide the perfect digital mammography solution, it is first necessary to provide functions to accurately record detailed information.

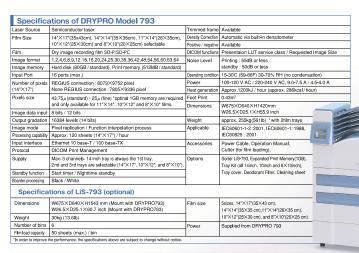
To realize a recording capability at the world's highest resolution of $25\mu m$, DRY-PRO 793 features optimised laser beam diameter, major improvements in response of LD modulation and development of a new jitter correction circuit to reduce misallgned writing produced by jitter during scanning.

Medical Imaging Films SD-P

Our daylight dry film is available with a blue base (SD-P) or clear base (SD-PC). Advances in the emulsion and binder material have yielded major improvements in raw film storage and post-processing image stability.



SPECIFICATION



Storing and Handling Dry Film

Dry image recording film SD-P/SD-PC does not require a WET process. When storing and handling film, be sure to ob-serve the following.

1. Storing and handling unused film

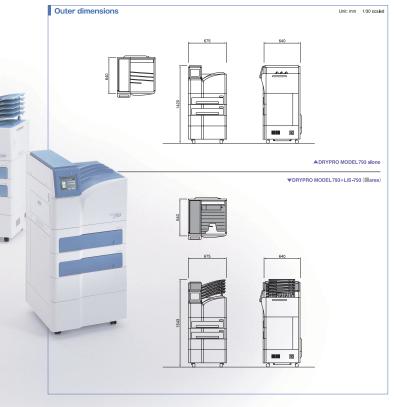
After confirming that film is packaged, store unused film, like ordinary film, in a cool, dark place (recommended temperature: 10 - 23°C (50 - 73°F)) where it will not be affected by radiation. If film is stored in a place where temperature is more than 30°C (86°F) for a long period of time, the quality of the film may change. When storing film in a film storage, it should be stored in a place where temperature is not likely to rise.

2. Storing and handling processed film (image)

(I)As heat-processed-type film is susceptible to high temperature or strong light even after it's processed, it should be stored in a cool, dark place. When storing film for a long period of time, be sure to place it in a film bag and store it in a place where temperature is 25°C (77°F) or below. The rise in density or discoloration may occur more frequently as the temperature rises.

②If the film is stored at a temperature of

40°C (104°F) or higher, this may cause density changes or discoloration even over a short period of storage. Avoid leaving the film in a car in daytime, or using it with a slide projector, etc. 3 As the film is susceptible to strong light as well as temperature, avoid ex-posing it to direct sunlight, or leaving it on a viewing screen for a long time. ©Dry film photos may be uneven in density, as they are affected by alcohol and processing agents. As the film is not susceptible to humidity, dirt on the film can be cleaned off with a cloth moistened with water.







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