LASER IMAGER
DRYPRO
MODEL 873

Performance, Reliability and Mammography Ready

The essentials of imaging
User Friendly

**User-Friendly Quiet Design**
The simple design means the unit emits less noise for a user-friendly working environment. The actual noise is tuned to the lower tones with softer high-frequency tones, making users feel the unit is quieter than the actual noise level. It will provide a quiet working environment.

**Full Options For Various Purposes**
The standard film supply uses two trays but up to three trays can be optionally mounted. An additional optional film supply tray for the DRYPRO 873 (four sizes from 14 x 17” to 8 x 10”) is available. Any combination is possible depending on your requirements. The optional 6-channel sorter is also available, which is useful for sorting by modality after printing.

**Stable Operation Without HDD**
With the DRYPRO 873 the system configuration activates the basic system software from memory and saves the image data to an external PC. This change made it possible to eliminate the hard disk drive from the body, contributing to stable system operation.

*PrintLink 5-IN

**Engineered for Ease of Use**
We have set a new standard for ease of use by making system status indicators, such as Film Empty and Tray Selection easily recognized from a distance.

Versatile, Compact, Fast, Eco Friendly.
The DRYPRO 873 — A New Dimension in Image Quality & Advanced Technology.

**Performance & Reliability:**
- 90 sheets/hr throughput (14 x 17” film)
- 50 second first print time… 40 second subsequent print time
- Compact footprint… Less than 2 feet x 2 feet
- Optional six-bin top mount sorter
- Standard two tray… Optional third tray
- Mammography ready with 43.75um and 4.0 Dmax
- Four tray sizes available: 14 x 17”, 11 x 14”, 10 x 12”, 8 x 10”
Advanced Technology

Fast Printing… Fast Heat Developing Process
With the DRYPRO 873, the developing process has been redesigned for fast mass volume processing. The film is pre-heated from the early stage of film transfer. In addition to reducing unstable temperature areas, fast mass volume processing and density stability have been achieved by dividing the heat developing part into five parts and closely controlling the process. Ten sheets of 14" x 17"-size film can be printed within four minutes.

Eco Friendly: Designed for 30% Energy Saving
The DRY PRO 873 uses heat processing in the imaging step. In the normal printing operation, we engineered a 30% reduction in electricity consumption compared with previous types.*

* 8 hours/day, printing of 100 sheets

It’s Small… It’s Fast—The Shortest Film Pass Structure
To achieve a compact body and fast volume processing, the hardware for the DRYPRO 873 has been redesigned. The use of a feed roller in the film supply unit and the adoption of the plate-method heating unit, have contributed to creating the shortest film pass structure. Speed and compactness are achieved.

Rapid Cooling Process
To increase the printing speed, a new control has been added to the cooling process that comes at the end of printing. To rapidly cool films after image formation, a film temperature history control system controls both heating and cooling. By accurately halting heat development and greatly increasing the cooling speed and time, stable quality images can be quickly obtained. In addition to the speed, the increased cooling speed has enabled the drastic downsizing of the unit, contributing to the compact body size.

Versatile

Fully Compatible With Four Sizes and the World’s Smallest Design*
The DRYPRO 873 is compact and requires only 2’ x 2’ for an installation area while providing four sizes of printing film ranging from 14 x 17" to 8 x 10". Since it supports all main film sizes, it is possible to run a complete printing operation. It also can support up to 3 supply trays. Film size can be selected depending on your requirements.

* Footprint as of August 2008

World’s Fastest Drive Power*
By adopting a number of new technologies, the first printing time has been reduced significantly to about 50 seconds. The compact body offers the same high performance as our large flagship series. By processing approximately 180 sheets (mixed sizes) per hour, the unit contributes to the growing requirements in the productivity of printing work.

* As of August 2008

For Digital Mammography
The combination of the optical unit (43.75µm) that enables detailed recording and the new SD-QM film can support a maximum density 4.0 Dmax. As for daily maintenance of mammography, this imager can support mammography QC patterns for film density control and can clean roller dust, which maintains quality digital mammography imaging.*

*Cleaning is recommended every 2000 sheets.
DRYPRO Model 873 Specifications*

**Laser Source** Semiconductor laser

**Film Size** Selectable from 14 x 17", 11 x 14", 10 x 12", 8 x 10"

**Films To Be Used** Dry image recording films, SD-Q/SD-QC/SD-QM

**Image Format** 1, 2, 4, 6, 8, 9, 12, 15, 16, 20, 24, 25, 30, 35, 36, 42, 48, 54, 56, 60, 63, 64

**Image Memory** Compact flash (standard 128 MB)
Main memory (256 MB)
Print memory (256 MB)

**Input Port** Maximum 16 ports

**Matrix (14 x 17")** REGIUS connection: 8079 x 9725 pixels (at 43.75µm)
Connection other than the REGIUS: 7730 x 9260 pixels (at 43.75µm)

**Matrix Size** 78.6µm / 43.75µm

**Image Data Input** 8-bit, 12-bit

**Output Grades** 16384 grades (14-bit)

**Image Mode** Pixel replication / function interpolation (with intensity conversion process function)

**Processing Capacity** 180 sheets / hour (mixed sizes / at ordinary modality)

**Input Interface** Ethernet 1000base-T

**DICOM Support** DICOM Print Management Service Class, Presentation LUT Service Class
(For details, refer to DICOM conformance statement)

**Supply** Two channels standard, maximum of three channels (option)

**Standby function** Transfers to energy-saving mode after pre-set time for none-printing.
Boot time from the energy-saving mode is less than three minutes.

**Border processing** Black / white

**Image Trimming Frame** Possible

**Density Correction Function** Built in the body

**Negative / Positive** Available

**Noise Level** Less than 53 dB when printing / less than 46 dB in standby

**Footprint** Less than 2' x 2'

**Operating Conditions**
- Temperature: 59°F to 86°F (15°C to 30°C)
- Humidity: 30% to 70% RH (no condensation)

**Power**
- UL: AC 120 V ±10%; 60 Hz ±1Hz; 10A
- CE: AC 220–240 V ± 10%; 50/60 Hz ± 1Hz; 6A

**Dimensions** 23.58" (W) x 23.01" (D) x 45.27" (H)

**Weight** Approximately 335 lbs. (152 kg)

---

**Options for the DRYPRO Model 873**

**873 Additional Supply Tray / 873 Additional Supply Tray for Mammography**
The supply unit for the third additional tray is compatible with four sizes (14 x 17", 11 x 14", 10 x 12", 8 x 10") There are two types, general imaging and mammography.

**873 Sorter (6 bin)**
This sorter is useful for sorting films by modality.
- Dimensions: 57.44"(H) x 23.58"(W) x 23.01"(D) (873 body plus sorter)
- Weight: 374 lbs. (170 kg) (873 body plus sorter)
- Number of bins: 6
- A maximum of 30 sheets can be stored per bin.
- Film size: 4 sizes (14 x 17", 11 x 14", 10 x 12", 8 x 10")
- Power: Provided by the DRYPRO 873

**Imaging Film SD-Q / SD-QM**
As for films for CR modality (SD-Q) and digital mammography (SD-QM), the silver ion capacity that is pivotal for image formation on dry films has been greatly boosted and the ingredients of developer have changed to achieve highly sensitive, fast developing. As a result, sharp, stable images are provided. Packaging is 125 sheets per box.

---

PrintLink 5-IV, ID, IN

The PrintLink 5-WID unit provides an open network environment for imager systems by converting signals from diagnostic devices into DICOM 3.0 (Print Management Service Class) international standard protocol. When combined with the PrintLink 5-IN, the various licensed functions (optional) of the PrintLink 5-IN can also be used. The PrintLink 5-IN enables network printing from DICOM modalities. By employing a variety of different functions, the network can be expanded to include storage that transmits images to an image server or viewer, extraction of patient information, enlarged printing and ID number in the film margin.

---

Imaging Film SD-Q / SD-QM

As for films for CR modality (SD-Q) and digital mammography (SD-QM), the silver ion capacity that is pivotal for image formation on dry films has been greatly boosted and the ingredients of developer have changed to achieve highly sensitive, fast developing. As a result, sharp, stable images are provided. Packaging is 125 sheets per box.

---

Konica Minolta’s Commitment to Customer Satisfaction

At Konica Minolta, your complete satisfaction is our number one goal. From pre-installation through the lifetime of your investment, our professional staff provides the technical expertise you need. Our professional Project Management, Applications Training, and Field Service Teams work together to maintain your continued satisfaction over the lifetime of your investment.

---

©2008 Konica Minolta

KONICA MINOLTA MEDICAL IMAGING USA, INC.
411 NEWARK POMPTON TURNPIKE
WAYNE, NJ 07470
TEL: (973) 633-1500 FAX: (973) 523-7408
WEBSITE: medical.konicaminolta.us