



KONICA MINOLTA

LASER IMAGER
DRYPRO
MODEL 873



Performance,
Reliability and
Mammography Ready

The essentials of imaging

DRYPRO

MODEL 873



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 43.75µm and 4.0 Dmax
- Four tray sizes available: 14 x 17", 11 x 14", 10 x 12", 8 x 10"

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.

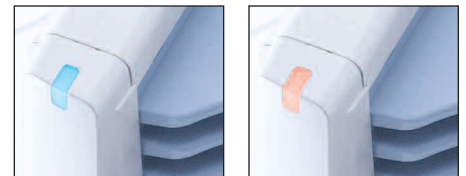
Stable Operation Without HDD

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.



The DRYPRO 873 Laser Imager

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"x17"-size film can be printed within four minutes.

Eco Friendly: Designed for 30% Energy Saving

The DRYPRO 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

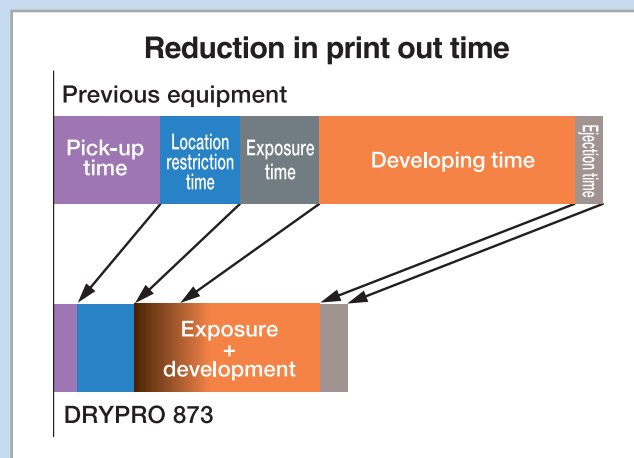
It's Small... It's Fast—The Shortest Film Pass Structure

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 120V ±10%; 60 Hz ±1Hz; 10A CE: AC 220-240V ±10%; 50/60 Hz ±1Hz; 6A
Dimensions	23.58"(W) x 23.01"(D) x 45.27"(H)
Weight	Approximately 335 lbs. (152 kg)

*Specifications are subject to change without notice.



PrintLink 5-IV/ID



PrintLink 5-IN

PrintLink 5-IV, ID, IN

The PrintLink 5-IV/ID 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.

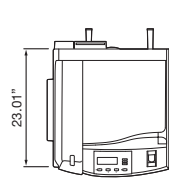
Konica Minolta's Commitment to Customer Satisfaction

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.

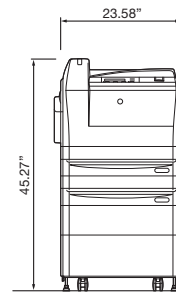


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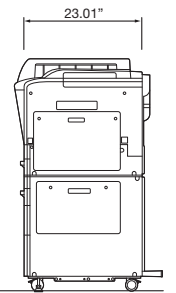
Two channel standard specs



23.01"



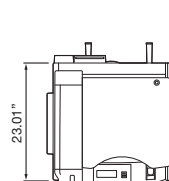
45.27"



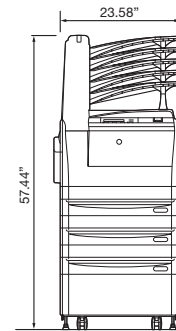
23.58"

23.01"

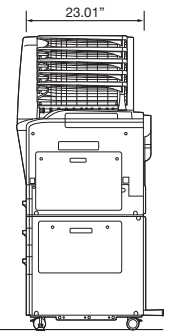
Three channel specs with a sorter



23.01"



57.44"



23.58"

23.01"

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.

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