

CARESTREAM DRYVIEW 5850 Laser Imager



High Resolution Laser Printing
for Mammography and
General Radiography

Carestream 
HEALTH

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Tabletop laser printing for mammography and general radiography

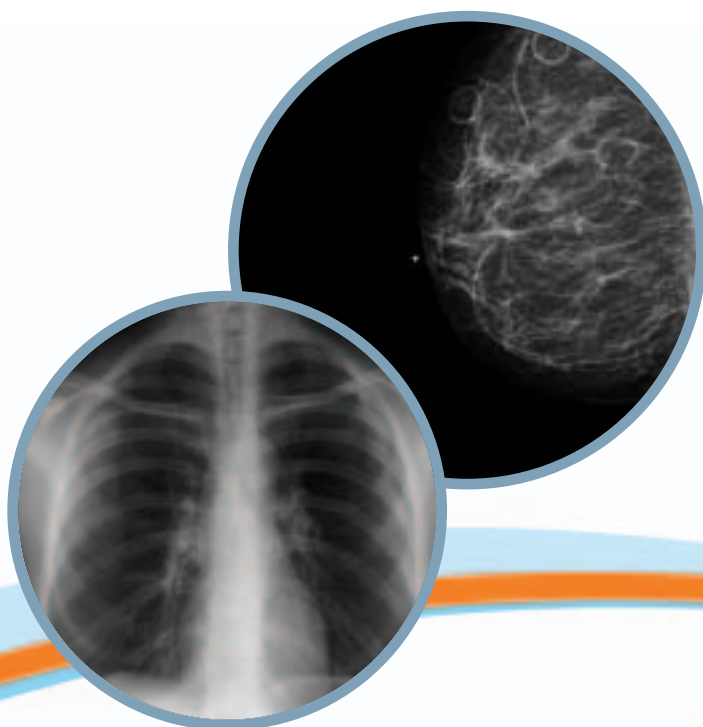


The CARESTREAM DRYVIEW 5850 Laser Imager provides superb image quality for mammography and general radiography with tabletop convenience and outstanding reliability. Proven true-laser technology delivers extra-sharp 508 ppi resolution every time on every size film. Backed by extensive Carestream Health global service, this affordable unit is ideal for:

- Imaging centers, departments, and small clinics with limited space availability or unit placement constraints.
- Dedicated mammography printing from computed radiography (CR) and full field digital mammography (FFDM) modalities.
- Mixed-use applications such as CR general radiography printing including CR mammography printing.

Two film trays accommodate five film sizes—including 8 x 10 in. (20 x 25 cm) and 10 x 12 in. (25 x 30 cm)—for on-demand mammography printing. No daily or weekly maintenance is required. Available CARESTREAM Remote Management Services can improve productivity by providing remote diagnostics and potential issue resolution without a service site visit.

A product of Carestream Health's leadership in medical printing, the versatile and affordable DRYVIEW 5850 Laser Imager provides the high-quality mammography and general radiography results you need—quickly, easily and reliably.



Laser image quality

- ▶ Every image on every film size is printed using true laser technology.
- ▶ Automatic Image Quality Control (AIQC) uses a built-in densitometer to automatically maintain film-to-film consistency.

Mammography printing

- ▶ Print high-quality, high-resolution images from mammography CR systems or FFDM systems.
- ▶ Supported with KODAK DRYVIEW DVM Mammography Laser Imaging Film for mammography images with $D_{max} \geq 3.6$.
- ▶ Use KODAK DRYVIEW DVM+ Mammography Laser Imaging Film for exceptional mammography images with $D_{max} \geq 4.0$.
- ▶ Mammography test patterns are included.

Ease of operation

- ▶ A simplified user panel.
- ▶ Simply change film sizes by inserting the desired film tray.
- ▶ Load film in full room light.
- ▶ Two film sizes on-line.

Minimized maintenance

- ▶ DRYVIEW technology does not use thermal print heads. No daily or weekly maintenance is required on print heads or film transport rollers.

Broad printing capability

- ▶ Print from CR, FFDM, DR, CT, MRI, US, NM, PACS, Digital Fluoroscopy, and other grayscale film applications.

Remote data access

- ▶ A Web Portal enables users to remotely access status and performance information.
- ▶ Data from a networked 5850 Laser Imager can be viewed at any network computer running MICROSOFT INTERNET EXPLORER.
- ▶ Remote access reduces need for user visits, improving efficiency of department and support staff.

CARESTREAM Remote Management Services

- ▶ CARESTREAM Remote Management Services are available for real-time response and analysis to service issues.
- ▶ Allows for automatic distribution of software updates to maintain high performance and long-term reliable operation.

Count on Carestream Health

- ▶ DRYVIEW Laser Imagers deliver proven great performance and earn consistently high customer satisfaction ratings.
- ▶ DRYVIEW Laser Imagers provide broad connectivity, exceptional image quality, and remarkable reliability.
- ▶ More than 1,700 Carestream Health professionals are dedicated to world-class service and support.

Advantages at a glance:

- ▶ High resolution printing
- ▶ Prints from a full range of modalities
- ▶ Five film sizes for on-demand printing
- ▶ 508 ppi, 50 micron
- ▶ True laser technology
- ▶ Tabletop convenience

Ideal for CR-to-Print applications





Product specifications

Description

- ▶ CARESTREAM DRYVIEW 5850 Laser Imager

Technology

- ▶ Photothermographic (dry laser)

DRYVIEW laser imaging quality

- ▶ True laser technology
- ▶ 508 laser pixels per inch, 50 micron laser spot spacing

Throughput

- ▶ Time to first print: 80 seconds:
 - 14 x 17 in. (35 x 43 cm.)
- ▶ Up to 75 films per hour:
 - 14 x 17 in. (35 x 43 cm.)
- ▶ Smaller sizes faster

DRYVIEW Laser Imaging Film

- ▶ Blue or clear 7-mil polyester base
- ▶ Daylight-load film packaging (100 sheets)
- ▶ Lifetime (100+ years) film archivability for demand applications (oncology, mammography, pediatrics, etc.)
- ▶ Printed film images with a standard Dmax of 3.1

DRYVIEW Mammography Laser Imaging Film

- ▶ Daylight-load film packaging (100 sheets)
- ▶ Lifetime (100+ years) film archivability
- ▶ Enables higher Dmax images
 - ≥ 3.6 Dmax with DVM film
 - ≥ 4.0 Dmax with DVM+ film
- ▶ Available in 8 x 10 in. (20 x 25 cm), 10 x 12 in. (25 x 30 cm) and 11 x 14 in. (28 x 35 cm) sizes

Choice of film sizes

The DRYVIEW 5850 Laser Imager supports the following film sizes:

- ▶ 14 x 17 in. (35 x 43 cm)
- ▶ 14 x 14 in. (35 x 35 cm)
- ▶ 11 x 14 in. (28 x 35 cm)
- ▶ 10 x 12 in. (25 x 30 cm)
- ▶ 8 x 10 in. (20 x 25 cm)

Automatic Image Quality Control (AIQC)

- ▶ No manual start-up or quality assurance procedures
- ▶ Ensures consistency from film to film

Network connectivity

- ▶ Integrated DICOM interface supports printing from DICOM modalities
- ▶ Connect non-DICOM modalities using KODAK PACS Link Medical Image Managers

Network connection

- ▶ 10/100 BaseT Ethernet connection to imager (supports jumbo frame)
- ▶ Network connection via CAT5 UTP cable terminating in an RJ-45 plug

DICOM SOP Classes supported*

- ▶ Basic Grayscale Print Management Meta SOP Class
- ▶ Color Print Management Meta SOP Class
- ▶ Presentation LUT SOP Class
- ▶ Basic Annotation Box SOP Class
- ▶ Verification SOP Class

Dimensions/weight

- ▶ Height: 24 in. (62 cm)
- ▶ Width: 24 in. (62 cm)
- ▶ Depth: 26 in. (66 cm)
- ▶ Weight: 155 lb (70 kg)

Power

- ▶ Universal power
- ▶ 100-240 VAC; 50/60 Hz; maximum 9 amps

Operating environment

- ▶ Temperature: 59 to 95°F (15 to 33°C)
- ▶ Humidity: 20 to 80% RH, non-condensing
- ▶ Magnetic field: < 50 Gauss
- ▶ Altitude: -100 to 8,000 ft

Environmental effects

- ▶ Typical heat load (office environment)
- ▶ 883 BTU/hour

User interface

- ▶ Simplified user panel
- ▶ User documentation and Web Portal
- Languages supported: Chinese (Simplified), English, Japanese, Korean, French, German, Italian, Spanish, Portuguese, Turkish, Russian, Polish, Greek

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More information

For more information about DRYVIEW Laser Imagers and Carestream Health's broad digital portfolio, contact your Carestream Health representative, or call 1-877-865-6325, ext 547.

➔ www.carestreamhealth.com

*DICOM conformance statement available at:
<http://dicom.carestreamhealth.com>