



TECHNICAL TRAINING FOR NON-CARESTREAM HEALTH STUDENTS ON CARESTREAM MEDICAL IMAGING SYSTEMS

Customer Carestream *DryView* 6800/6850 Laser Imager

COURSE CODE: P227

CATALOG #: 8485385

Target Group	Duration (days)	Participant number /session
Radiographers Radiologists Clinicians Technicians Biomed	5 days	Min. 3 – max. 6 persons

Course Location

Carestream Health Technology and Innovation Center

US&C Medical Imaging Training Center

1049 Ridge Road West

Rochester NY, 14615

Tel: (+1) 800-810 -0327 Option 3

Fax: (1+) 800-445-9967

<http://www.carestream.com/training-us.html>

Objective & Learning Outcome

Upon successful completion of this class, the student will be able to:

- Describe the role and operation of the 6800 and the 6850 imagers
- Connect the cabling between the components of the systems, configure the imagers, and produce quality films.
- Operate the systems and produce a readable image with no gross errors.
- Identify, isolate, and repair a minimum of two practical problems within the film transport function.
- Identify, isolate, and repair a minimum of one film quality practical problems
- List the two situations under which the 6800/6850 will print a calibration sheet.
- Identify the Major Hardware Assemblies of the 6800 and 6850 Laser Imagers.
- Identify the Major Software Components of the 6800 and 6850 Laser Imagers.
- Using the DryView Documentation, physically identify all motors and sensors, and describe the film transport process.
- Demonstrate the use of the new certified Carestream Health Service Tool software, Weblink.
- Access the DRE Desktop via UltraVNC software
- Communicate with the 6800/6850 Laser Imagers Digital Raster Engine using SecureLink and Weblink to perform:
 - Setup/configuration tasks
 - Maintenance tasks
 - Troubleshooting (Access and interpret error codes to diagnose performance problems)
- List the supplies needed and describe the steps to completing the 6800/6850 preventative maintenance



Training program Content
<p>Training is performed by a Carestream Health Technical Trainer or Product Specialists in a designated Carestream Health training area with equipment supplied by Carestream Health. The course is structured with theoretical sessions integrated with practical hands on exercises.</p>
<p>Introduction to the DryView 6800 SecureLink</p> <ul style="list-style-type: none">- SecureLink digital certificate- SecureLink installation<ul style="list-style-type: none">· Creating a certificate request· Installing your Digital certificate· Connecting through the SecureLink
<p>Introduction to the DryView 6800 Class</p> <ul style="list-style-type: none">- 6800 DryView Laser Imager Features<ul style="list-style-type: none">· High quality Laser imager – 650 DPI· Mammo Certified· Fast film printing – up to 220 per hour· Multiple film sizes available:· Three film drawers available to load any films· DICOM – input· Optional equipment – Sorter· Remote Manager Service – (RMS)
<p>System Overview (Total System)</p> <ul style="list-style-type: none">- Modalities- Networking- DryView 6800- Viewing station/ Light box
<p>DICOM (Review)</p> <ul style="list-style-type: none">- Basic review of DICOM principles
<p>DryView 6800 Installation / Connectivity</p> <ul style="list-style-type: none">- Hardware Installation<ul style="list-style-type: none">· Unpacking system· Cabling· System Operation/ Checkout (Basic) Operation Training- Software Installation / Connectivity<ul style="list-style-type: none">· Modality Database Connectivity information· Software configuration – 6800 ST set-up mode· Total System Operation / Connectivity checkout· Backup and Restore procedures
<p>DryView 6800 Major Modules (Detailed)</p> <ul style="list-style-type: none">- DICOM Raster Engine- General Machine Control System- Pickup and Rollback Assembly- Registration Assembly- Optics/Exposure Transport Assembly- Flat Bed Processor Assembly- Densitometer Assembly- Sorter Assembly
<p>PM Procedures</p> <ul style="list-style-type: none">- Supplies / Kits / Tools- Maintenance Schedule- Detailed Procedures



Image Quality <ul style="list-style-type: none">- Image Quality Standards / Tests- Field Problems / Tech. Bulletins- RMS Overview- QC Baseline Test for Digital Mammography
DryView 6800 Troubleshooting / Diagnostics <ul style="list-style-type: none">- General Troubleshooting- Diagnostic Flowchart- Error Codes / Test Points / LED's- 6800 Service Tool- Logs- Enhanced Feedback Service Tool
Customer Operator Training <ul style="list-style-type: none">- System Overview- Operations- Troubleshooting- Maintenance
DryView 6850 Differences <ul style="list-style-type: none">- Power Module- Power Distribution Board- Imaging Assembly- DRE- Other Differences
Test on Total System <ul style="list-style-type: none">- Students take a Troubleshooting Performance test- Students take a Final written test

Prerequisites
Before attending, the participant should have the following prerequisites:
Must Have <ul style="list-style-type: none">• A background in basic electronics and mechanical equipment<ul style="list-style-type: none">• The ability to use a Multimeter safely• An IBM Compatible PC/Laptop described in more detail below• The ability to navigate the Windows Operating System<ul style="list-style-type: none">• How to create a Shortcut• How to install software• Administrative capabilities on the Laptop to be used in the class• A working knowledge of Computer Networking Concepts and Operations<ul style="list-style-type: none">• Must know how to change the Laptop IP Address• Must know when an IP address change is necessary
Highly recommended <ul style="list-style-type: none">• The student should bring a list of serial numbers for All 6800's to facilitate creation of user id's and passwords



Requested student tools

Participants are required to bring a laptop computer. The student must have Administrative capabilities for the laptop because software will need to be installed. Minimum requirements for the laptop are:

- Pentium III processor (or better)
- 1GB Memory (or more)
- Microsoft Windows 98 (or newer)
- At least 20 MB of available hard drive space
- A 10/100 Ethernet NIC with an RJ-45 port
- Windows Explorer Version 4.0 to 7.0 (no higher than 7.0)
- A CD Drive
- A USB Port
- The student must have Administrative Rights on the Laptop

Deliverables

- Certificate of Attendance
- Course Training Manuals & Documentation CD(s)
- Service Software
- Access to the Carestream Health Service Portal Website and the Service Bulletins and Service Publication revisions listed there
- Access to the Carestream Health Technical Support Center (TSC), for one year, for the devices covered in this training.

Other information

Training will be performed in English.

Personal transportation is a necessity if visiting from outside the Rochester area.

The training facility does have access to the Carestream Health Cafeteria.

Participants may be required to share equipment during the lab exercises

Note about safety:

Carestream Health will undertake all necessary precautions to ensure compliance with safety standards.

It is the customer's responsibility to ensure that whilst on their site the student complies with and works within the expected local Health and Safety requirements and guidelines.



Tuition & Cancellation Policy

Please contact the training coordinator for pricing.

Travel, lodging, meals, and car-rental fees are not included in the tuition.

The cancellation policy is:

90 days before course start date 100% refund

Between 89 and 60 days 75% refund

Between 59 and 30 days 50% refund

Between 29 and 15 days 25% refund

Less than 15 days 0% refund

In the event that a course has less than 3 participants, Carestream Health reserves the right to cancel the course.

If a course is cancelled, we will make every effort to enroll you in the next available course.

Schedule

- Classes begin at 08:00 and conclude at 17:00 each day. On the last day of class expect to be released at 15:00.
- Participants must allow at least 3 hours between completion of class and travel departure.
- The program is structured with lectures, discussions, and lab exercises.

For details, please get in touch with:

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