

DEL MEDICAL

DFMT **PS**

FLOOR MOUNTED RADIOGRAPHIC SYSTEMS



System Overview

Enhanced Workflow and Accuracy

DFMT-PS Digital Radiographic Systems were **designed with features proven to optimize workflow, patient care and technologist productivity.** These floor mounted configurations are ideal for smaller imaging environments requiring low ceiling installations, such as urgent care and orthopaedic facilities. Intuitive and user-friendly, DFMT-PS systems are constructed to withstand medium to high-volume throughput and limit repeat exams.

Each tube stand features a sophisticated LCD touch-screen console, which supports favorable upgrades to offer an enhanced and genuine patient experience. When integrated with a DELWORKS DR System and compatible generator, technologists have the ability to adjust generator technique factors without leaving the patient's side.

Designed for Performance, Built for Longevity

All Del Medical system components are manufactured through innovation to produce the highest quality diagnostic images with ease! **Built in the USA, Del systems are prepared to deliver many years of continuous use and exceptional user-satisfaction.**

System Highlights



Color LCD
Touchscreen



Rotational
Column



Powerful High
Frequency Generator



Patient Weight
Capacity



Customizable to Meet
Your Needs



Full System Integration
Available



System Features

Touchscreen Console

An advanced, technologist-friendly touchscreen console provides large text readouts and integrated operation of the DFMT-PS tube stand. Ergonomically placed movement identification buttons provide optimal precision when setting up views.



180° Rotational Column

Take advantage of extensive longitudinal and vertical movements, as well as a 180° rotational column enabling accurate positioning for cross-table lateral exams.



Elevating, Four-Way Float Top Table

The durable EV800 table delivers outstanding safety and usability. It features an 800 lbs. patient weight capacity, recessed foot treadles, an exclusive four-point lift system and an exceptionally quiet motor-drive. Its smooth, scratch resistant table top lowers to a height of just 22" to ensure stress-free patient transfers and adjustments.



Rotating Detector Tray

The easy-to-use rotating tray enables rotation of the DR detector which can be mounted inside both table and wall stand. One-handed operation supports fast portrait-to-landscape positioning without ever removing the detector from the tray.



*optional feature

Effective Power

DFMT-PS Digital Radiographic Systems are powered by compact and robust CM Series generators, available in 32, 40, 50, 65 and 80kW models.



Table-side User Controls

In addition to recessed foot treadles, the EV800 offers an operator control handle featuring elevation and float lock release controls.



Ergonomically Designed Wall Stand

The reliable VS300 wall stand utilizes electromagnetic 'fail safe' locks to maintain operator confidence throughout the imaging procedure. Full receptor movement to the floor, patient-side handgrips and optional overhead handgrips promote efficient upright exams without placing unnecessary strain on the patient.

Designed for convenience, the **VS300 technologist handgrip** permits relaxed vertical travel by angling with the operator's wrist as the image receptor is raised or lowered.



DR Options



Outstanding Image Quality and Reduced Patient Dose

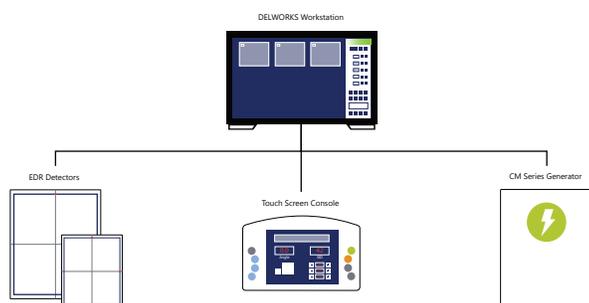
DELWORKS

DELWORKS is a **powerful image acquisition and processing software** featuring a user-friendly interface that provides sophisticated and speedy medical imaging. Designed with complex system automation, DELWORKS aims to simplify the examination process by making the difficult decisions for you.

Its advanced anatomical programming and image processing algorithms help optimize technologist productivity. **DELWORKS strives to minimize human error and unwanted repeat exams to give technologists the highest quality image, with every exposure.**

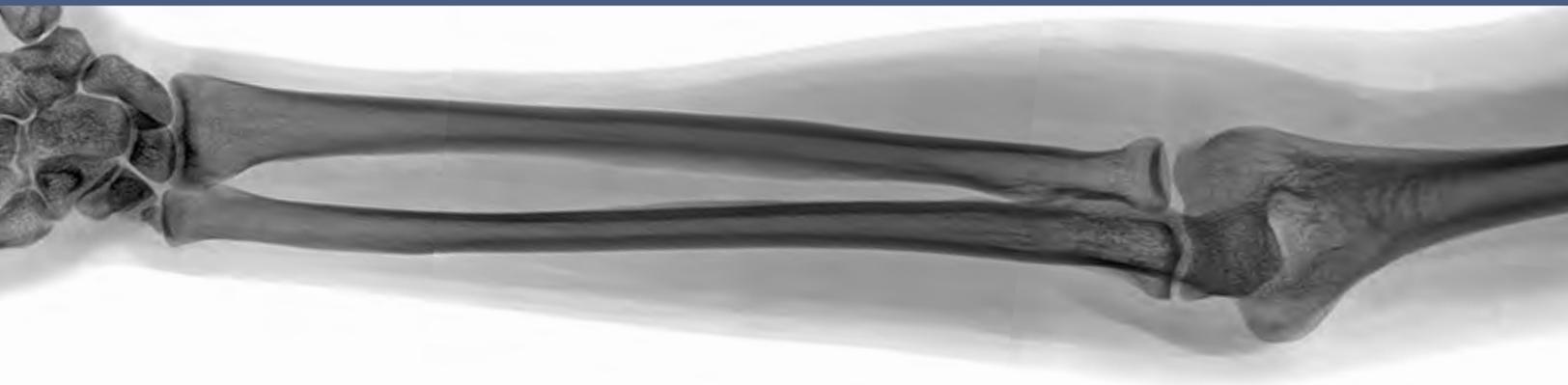
Integrated Single-User Interface

The DELWORKS Workstation acts as a control hub by seamlessly integrating compatible system components. Easily view all vital generator and detector information on its large 23" touchscreen monitor.



Software Features

- ▶ Pre-exposure display of patient and procedure information, X-ray generator exposure factors, status and control functions integrated in a single display screen
- ▶ Exam-specific image processing algorithms automatically optimize images based on selected patient anatomy
- ▶ Enhanced image processing parameters. APR specific default values and manual adjustment, if desired
- ▶ Image rotation in 90° steps, horizontal mirroring, automatic and manual image cropping to collimated area
- ▶ Easy verification and correction of image laterality and patient orientation
- ▶ Intuitively add orientation markers and text comments directly to acquired images (pre-defined or free text)
- ▶ Detailed histograms of pixel density
- ▶ User selection of modified LUT (Look-Up Table) based on various exam types
- ▶ Manual adjustment of the LUT, window and level
- ▶ Effectively manage rejected images



DELWORKS^{EDR}

DELWORKS E-Series DR detectors offer a variety of premium options that provide **brilliant, low dose imaging** through the use of Cesium Iodide (CsI) scintillators. Available in 14 x 17" wireless, 24 x 30cm wireless and 17 x 17" large format fixed; the E-Series delivers a wide range of imaging flexibility.

DELWORKS DR Systems are readily configurable for single, dual or multi-detector applications to accommodate the needs of any medical imaging environment.

Always Ready

E-Series wireless options feature **EasyConnect** – an Auto Exposure Detection (AED) technology that keeps the detectors in a standby mode, awaiting exposure from any X-ray source.

Detector Features

- ▶ Automatic exposure detection
- ▶ Available in a variety of sizes
- ▶ Ultra-light wireless detector options:
14 x 17" (6.1 lbs) 24 x 30cm (3.5 lbs)
- ▶ Full image display in less than 6 seconds
- ▶ Up to 8 hours of battery life



DELWORKS Workstation



E14C and E24C
Wireless Detectors



E17C Fixed Detector

PatientSide Software

Experience Improved Clinical Workflow Efficiency

DELWORKS PatientSide Software Upgrade

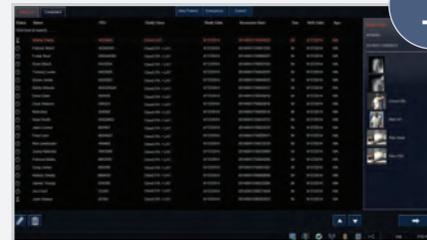
DELWORKS PatientSide is a powerful software upgrade developed for DFMT-PS floor mounted systems to streamline the radiographic process, enhance patient care and maximize throughput. PatientSide extends the functionality of the DELWORKS DR software to the tube-mounted touchscreen interface providing access to preprogrammed APR's, patient positioning guide and first up image preview.

By substantially reducing the need to walk back and forth between the patient and technologist control area, PatientSide allows technologists to comfort patients during each phase of the imaging process, greatly improving patient care and well-being.

Software Features

- ▶ User-friendly interface
- ▶ Full integration to DR Workstation
- ▶ Patient position selection
- ▶ Full image preview
- Accept or Reject image
- ▶ No additional equipment required

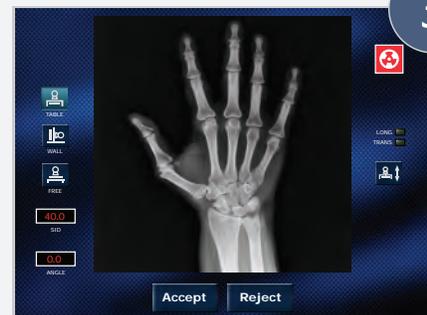
PatientSide Workflow



Select patient study from the DELWORKS workstation



Select patient positioning and set generator technique specifications from touchscreen console



Accept or reject exposed image from touchscreen console

Component Options

Patient Handgrips for EV800 Table

The easy to adjust detachable handgrips can be secured along table side rails which extend the entire length of the table.



Lateral Cassette Holder for EV800 Table

This table mounted holder can be positioned nearly anywhere on the table top to deliver the sturdiest and most reliable fixture to support various cassette sized imaging panels.



Floor Mount Kit for VS300 Wall Stand

This convenient kit is offered for installations that require a free standing wall stand configuration. It's extended surface area maximizes stability.



Technical Specifications

DFMT-PS Tube Stand

- Ceiling height:** Minimum 87 in. (221 cm)
- Column height:** 85.5 in. (217 cm)
- Vertical travel:** 64.5 in. (164 cm) total
- Floor to focal spot:** Min. 11 in. (28 cm), Max. 75.5 in. (192 cm)
- Longitudinal travel:** 94 in. (239 cm)
- Rail longitudinal length:** 120 in. (305 cm)
- Transverse travel:** 11 in. (28 cm)
- Tube, collimator and cable support capacity:** 88 lbs. (40 kg)
- Tube stand weight:** 460 lbs (209 kg)
- Platform assembly weight:** 125 lbs. (57 kg) net
- Column rotation:** 180° where installation permits
- Tube rotation:** ±180° detents for lateral decubitus projections
- Base Assembly to rear wall:** 8 in. (20.5 cm)

EV800 Elevating Table

- Base length:** 53" (135 cm)
- Base width:** 25" (64 cm)
- Top length:** 86.5" (220 cm)
- Top width:** 36" (91 cm), optional 32" (81 cm)
- Table weight:** 563lbs (256kg)
- Power requirements:** 120VAC or 230/240VAC

VS300 Wall Stand

- Height (includes vertical travel):** 54" (213.4 cm)
- Depth:** 13.4" (34 cm)
- Receptor width:** 24.6" (62.5 cm)
- Weight (with receptor):** 200 lbs (91 kg)
- Front panel aluminum equivalency:** 0.4 mm
- Power requirements:** 24VDC, 1.25 Max. momentary amps

Generators Options

- CM-DR Series:** Available in 40, 50, 65 and 80kW

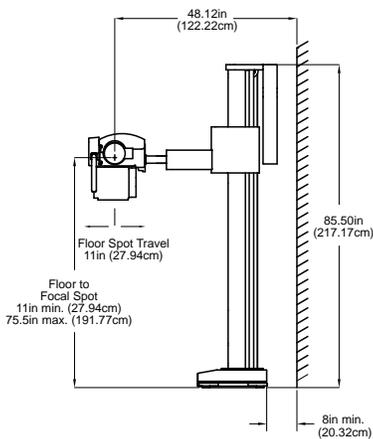
X-ray Tube Options

- 300kHU, 400kHU, and 600kHU**

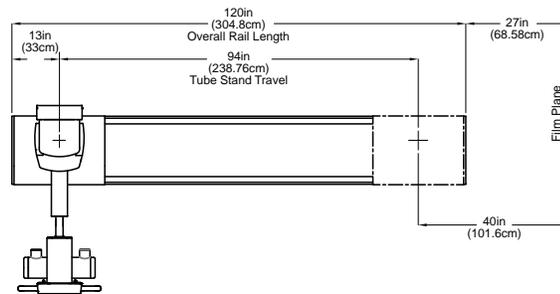
Collimator Options

- Siemens ML03 Manual**
- Ralco R302 Automatic**

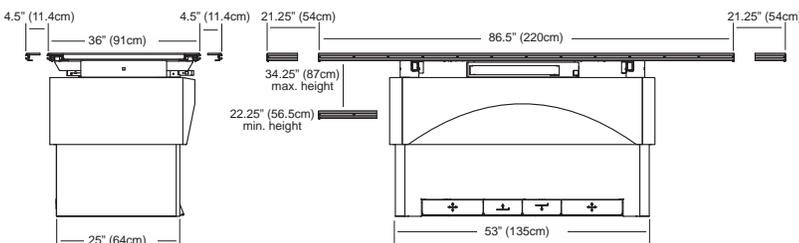
DFMT-PS Tube Stand



Over head view Tube Stand and Floor Rail



EV800 Elevating Table



VS300 Wall Stand

