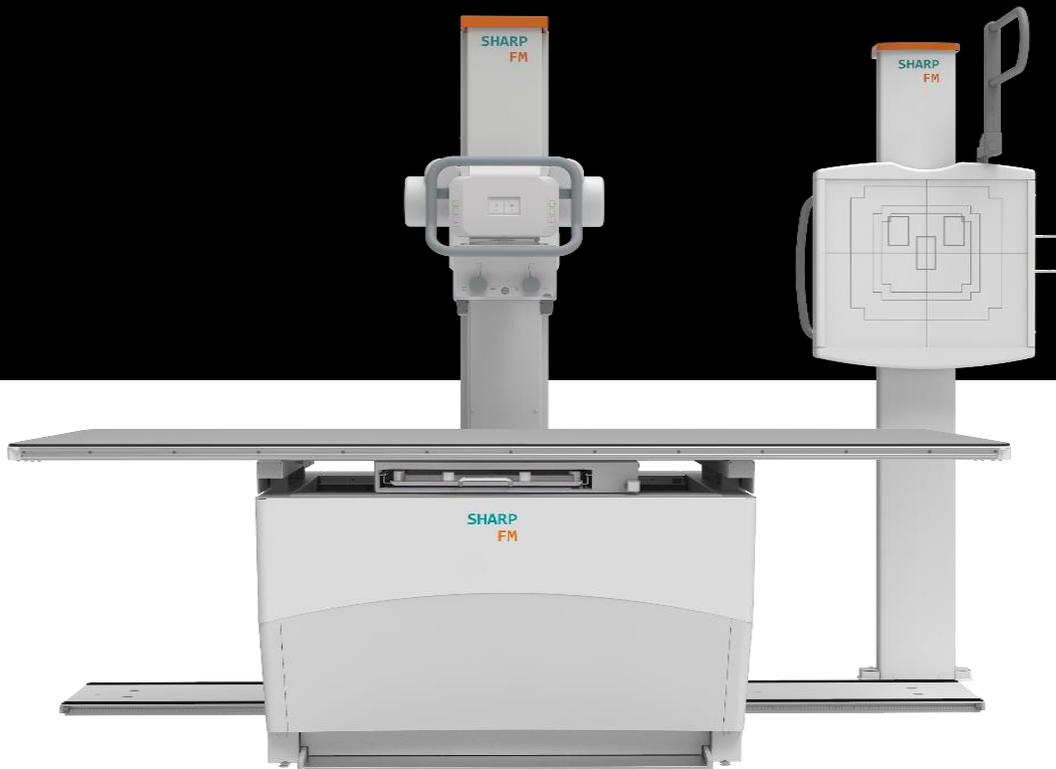


# Value in Imaging **SHARP FM**

Product Brochure



SHARP FM is built by UMG/Del Medical and sold exclusively by Siemens Healthineers

**SIEMENS**  
Healthineers

# It's Here! Big Value in X-ray for Smaller

For many small imaging centers, access to state-of-the-art X-ray systems is an enormous challenge.

They're under pressure to deliver accurate patient care while managing a budget smaller than larger hospitals and health systems. Though X-ray is their most common imaging exam, they are often denied access to high-end technology because of hurdles that are hard to clear:

- The most advanced systems are priced beyond their modest budgetary restraints
- Their offices can be located in complexes or strip malls that demand single-phase electric
- A small footprint is essential, but there can be no compromise on high-quality images

It's time for a state-of-the-art system built for smaller facilities, where quality imaging meets enormous value.

It's time for **SHARP FM**, your answer to advanced single-phase floor-mounted radiography.

- Robust reliability
- Simple user interface
- Single-phase generator
- Integrated detector
- Delivered at an attractive price



# Imaging Centers and Facilities



# Meet SHARP FM

## Floor-mounted tube

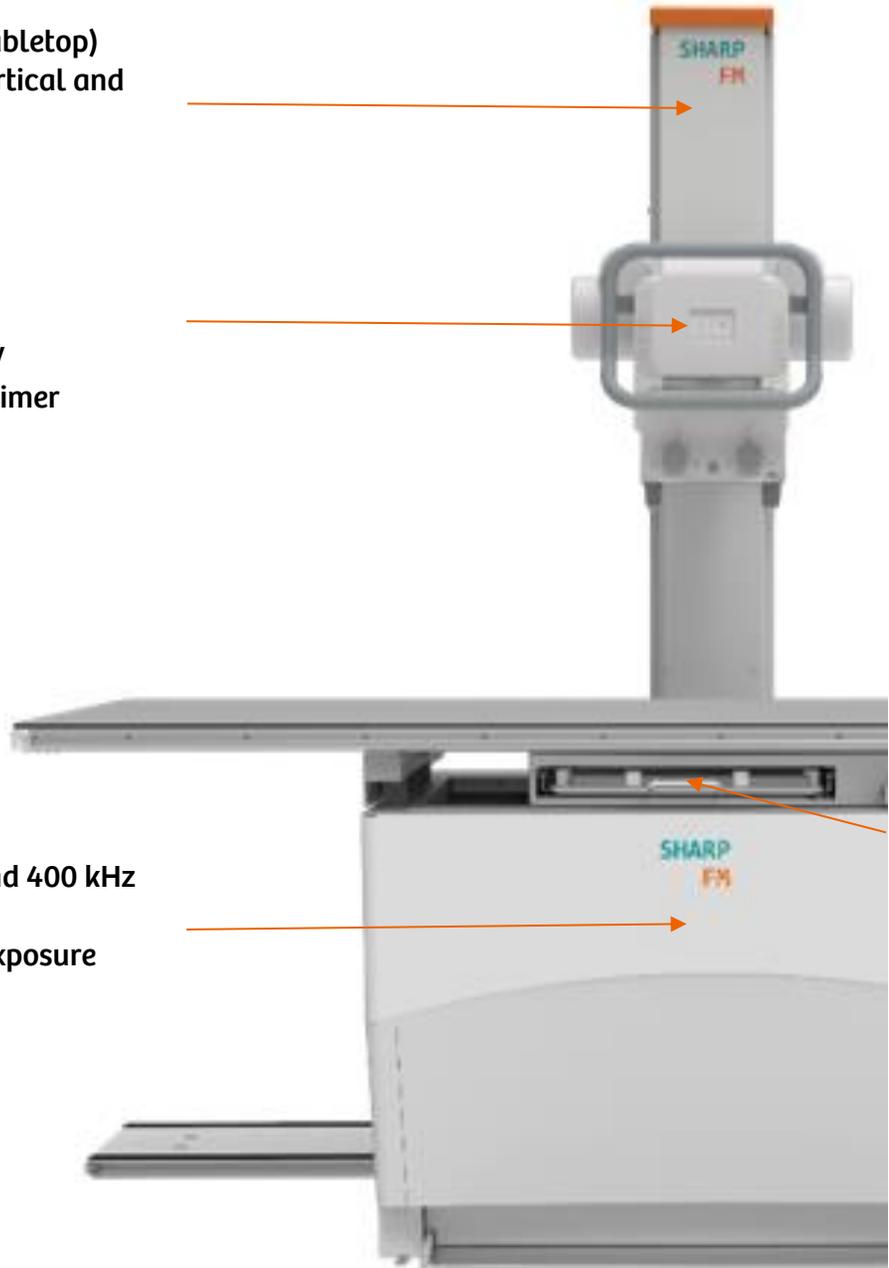
- Column rotation of +/-180°
- Standard 10 ft floor plate
- 11" transverse travel (access to full tabletop)
- Electromagnetic brake system (for vertical and longitudinal travel)

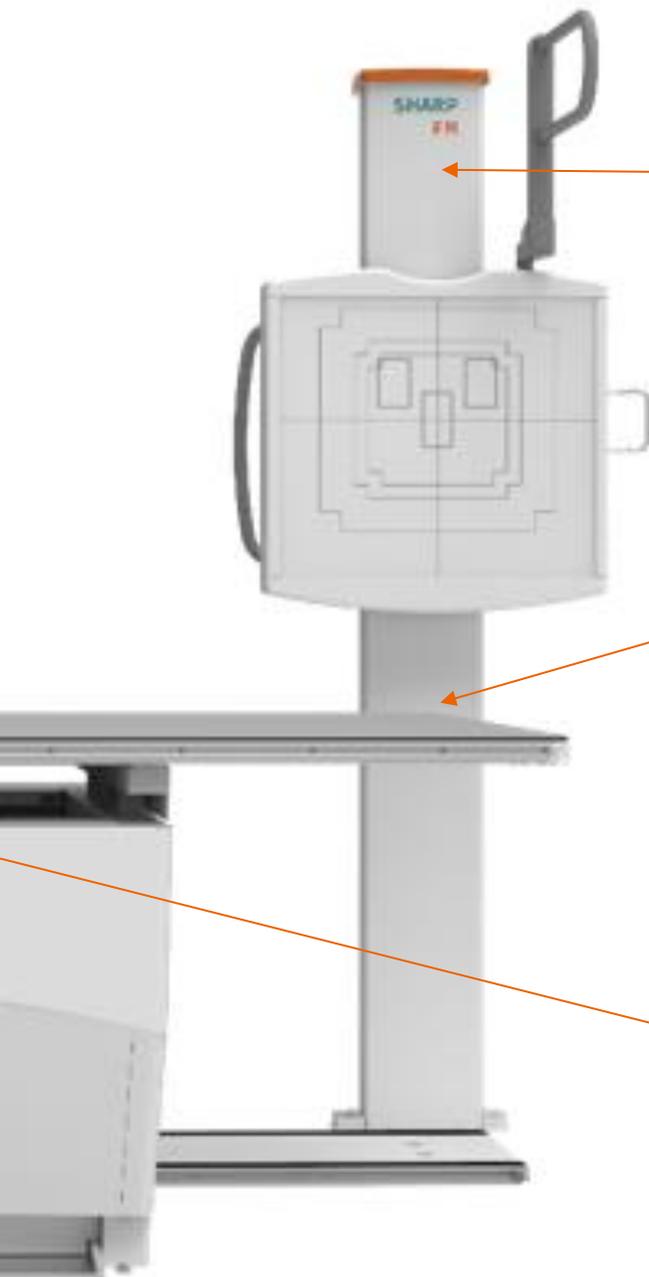
## Collimator

- Inherent filtration 1 mm Al at 70 kV
- Full-field light localizer - 10-year, timer functionality
- Copper prefilter
- Rotation  $\pm 45^\circ$  manually
- Manual collimation control

## High Frequency Generator

- Single-phase 40kW generator
- High frequency performance beyond 400 kHz
- Anatomical programs
- Membrane console pedestal and exposure hand switch





### **Bucky wall stand (BWS)**

Vertical travel range: up to 56.5"  
Low central beam height: 15.5"  
Manual vertical movements  
Tilting BWS stand (Optional)

### **Table**

High weight capacity 700lbs  
Flat tabletop for comfortable positioning  
Four-way float top  
Pedestal base for generator electronics

### **Max Slim Detector**

Max Slim integrated detector in the system table  
with big coverage (14" x 17")

### **Configurations:**

- Manual bucky wall stand and fixed table
- Manual bucky wall stand and elevating table
- Tilting manual wall stand and fixed table
- Tilting manual wall stand and elevating table

# The Sum of Its Parts: Transforming Care Delivery with SHARP FM

## Four-way Floating Table

The strength of SHARP FM begins at its core.

Its heavy-duty electric table is a steel structure that supports patients up to 700 pounds, with a welded base for maximum strength and durability.

No matter how much weight is applied, the four-way floating top guides effortlessly in all directions. Effortless foot action and treadle release allows users to lock the table in place and release the lock with ease.

Looking to save space? The pedestal base can house your generator electronics, making the system footprint even smaller.

The power requirements? As promised, 120/230-240VAC makes it ideal for single-phase electric settings.



## Elevating Table Upgrade

The same four-way float top functionality is available in an elevating table that makes patient transfers a snap!

The four-point lift system depends on a quiet rack and pinion motor to distribute lifting power equally to four precise locations and delivers strength to support patients up to 800 pounds – without compromising the four-way floating top that guides effortlessly in all directions.

This table lowers to just 22 inches off the floor for easy on and off transfers and patient adjustments. Of course, no need for special power – single-phase electric gets it done!



## Versatility in the Bucky Wall Stand

Count on the SHARP FM Bucky wall stand for outstanding versatility and safety.

The stand travels vertically up to 84 inches to accommodate your exam needs, with a low central beam height of 15.5 inches. Vertical movements are manual.

Featured are “Fall Safe” locks that make patient safety a priority. The Bucky includes side-mounted and overhead patient hand grips for support you and your patients can count on, and a wide selection of grip options are available.

An ergonomic release handle makes system operation a breeze, and the cable concealment system makes for a safe and aesthetically pleasing room.

The 17” x 17” cabinet houses the system’s powerful Max Slim digital detector.



## Tilting Wall Stand Upgrade

Looking for greater flexibility? Turn to our tilting wall stand to expand your capabilities.

The receptor allows you to tilt to a range of +90° / -20°, with smooth counterbalanced movements that let staff manage the angles with ease. Patient grips are an optional feature.

The Bucky stand has a vertical travel range of 15.5 inches to 71.1 inches for patient flexibility and comfort, with ergonomic locks to assure safety.

Cabinet options include a standard cassette tray or a rotating cassette tray. You can even have a 17” x 17” fixed detector mounted inside the cabinet.

Installation is simple and flexible.



## Floor-mounted Tube Stand

SHARP FM shows its versatility through the floor-mounted tube stand.

The tube mounts to the floor with a standard 10-foot floor plate. Optional 8-foot and 10-foot plates are available.

It travels along 10-inch rails for full 11-inch transverse travel that delivers full coverage of the system's tabletop. Minimum focal spot positioning at 11 inches is ideal for weight-bearing examinations. The tube stand travels vertically up to 64.5 inches, longitudinally up to 94 inches, and transversally up to 11 inches. Electromagnetic braking assures safe vertical and longitudinal travel.

Column rotation of +/- 180 degrees delivers the versatility you're looking for over a wide range of imaging needs.

Collimation is manual, though automatic collimation is available.

## X-ray tube and Collimator

Our floor-mounted tube stand is the ideal foundation for the 200 kHU tube and Siemens Healthineers collimator.

### For the tube, the strength is in the details:

Nominal Voltage	150 kV
Anode Angle	12°
Focal spot size	0.6/1.2
Nominal power <sup>1</sup> 300 W <sup>2</sup> 0 W <sup>2</sup>	22/54 kW, 29/73 kW
Anode heat storage capacity	170 kJ (230 kHU)
Tube housing heat storage capacity	1000 kJ (1350 kHU)
Max anode heat dissipation	1125 W
Anode operating frequency	50/60 Hz
Radiation leakage (IEC 60601-1-3)	≤ 0.8 mGy/h
Total filtration (IEC 60601-1-3)	2.5 mm Al/75 kV

### And a Siemens Healthineers collimator:

Inherent filtration	1 mm Al at 70 kV
Full-field light localizer	10-year, timer functionality
Copper prefilter	Without filter, 0.1mm, 0.2 mm, 0.3 mm, manual
Rotation	± 45° manually
Collimation control	Manual



## The Power Source? Our High-frequency Generator

The single-phase 40 kW generator delivers high frequency performance in excess of 400 kHz. Anatomical programs are available in multiple languages. Featured is a membrane console pedestal and exposure hand switch for simple system operation and navigation.

## MAX Image Quality Delivered

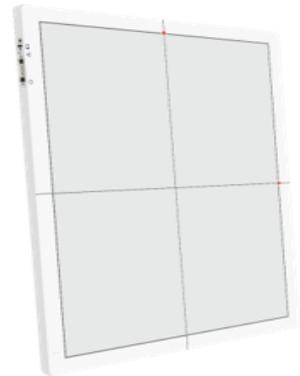
Your facility's success depends heavily on quality radiographic images. Count on the Siemens Healthineers Max Slim digital detector for consistently reliable performance.

In the Max Slim detector, we combined secure and efficient handling with state-of-the-art CsI technology to achieve high image quality at lower patient dose than GoS technology. It is an extremely thin and lightweight detector that can be shared between multiple **SHARP FM** systems.

The detector delivers a 14" x 17" active area and weighs just 6.2 pounds. A two-hour charge gets you up to eight hours of battery operational time.

Choose between multiple detector configurations:

- Manual bucky wall stand and fixed table
- Manual bucky wall stand and elevating table
- Tilting manual wall stand and fixed table
- Tilting manual wall stand and elevating table

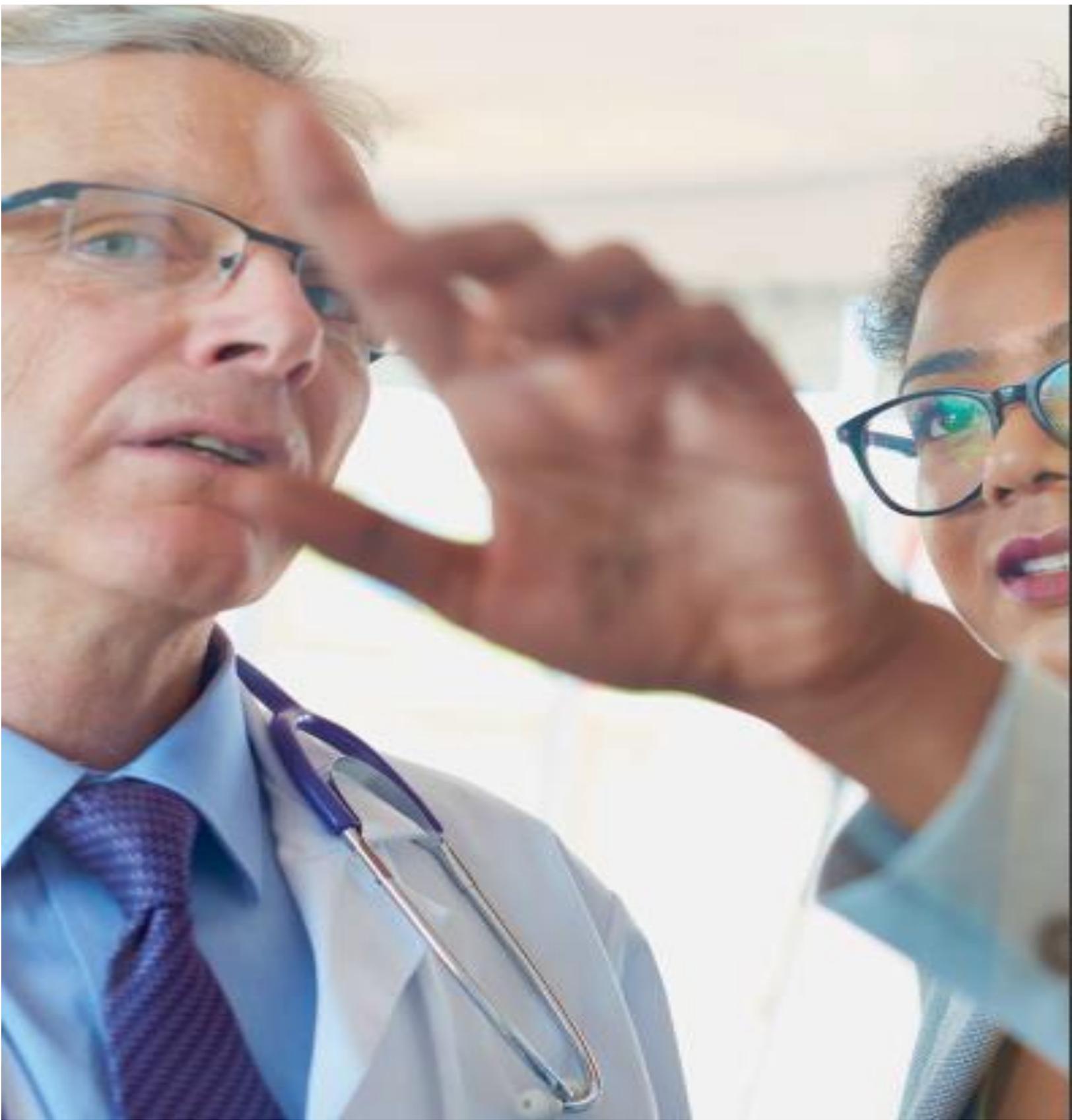


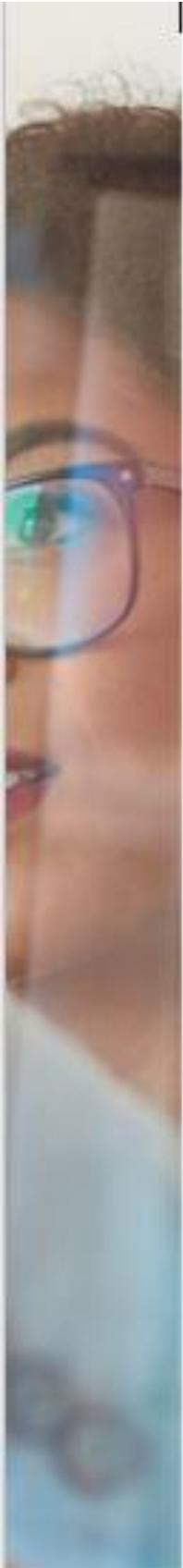
## Stunning Display of Your Image

You're investing in a digital radiography system built with a DICOM network connection for image processing and image display on a preview monitor. The computer is powered by a 3.2 GHz Intel® Core™ i5-6500 with 16 GB RAM. The operating system is Windows 10 Pro.

Images are displayed spectacularly on a 24" LED monitor, with wide-angle viewing capabilities and the ability to navigate the user interface with the touch of a finger.







# Why Siemens Healthineers?

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey toward expanding precision medicine, transforming care delivery, and improving patient experience, all made possible by digitalizing healthcare.

An estimated 5 million patients globally benefit every day from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics, and molecular medicine, as well as digital health and enterprise services.

We are a leading medical technology company with over 120 years of experience and 18,500 patents globally. With more than 50,000 dedicated colleagues in more than 75 countries, we will continue to innovate and shape the future of healthcare.

SHARP FM is built by UMG/Del Medical and sold exclusively by Siemens Healthineers.

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