

# Precision™ 180

Remote digital radiography  
and fluoroscopy system



## A remote imaging system that earns its keep

Today's busy R&F environments call for imaging systems that reduce physical work for users, excel in adaptability, maximize patient safety and optimize dose. Meet the simple and intuitive Precision 180. This powerful remote imaging system effortlessly meets today's challenges. Technologists love the easy automated set-up. Patients appreciate the expedited exams. And, of course, physicians value the clarity of the images and optimized dose. When it comes to directors and administrators, their praise is directed at the system's productivity and versatility.

**It's one of the only systems in the industry that can conduct a wide variety of exams.**



# Designed to make everyday operation easy

With today's workload pressure and strain on staff, simplicity and automation are more important than ever. That's why the Precision 180 is designed to maximize efficiency from pre-scan to post. With smart features like an intuitive touchscreen user interface and comprehensive automation suite, exam set-up is simplified and with fewer clicks. Even better, the system is designed to minimize physical work. The large, versatile table accommodates a wide range of patient sizes and has a minimum height of just 47 cm (18.6") for hassle-free positioning. And finally, the system has true rear accessibility, giving your team better access and easier patient transfer.



## Automate workflow with AutoRF

**Auto Protocol Assist (APA)** Automates patient exam type selection from HIS/RIS

**Auto Positioning** Table/tube position linked to protocol and achieved by single button push

**Auto Field of View** Enables user to pre-define the collimation size on individual view

**Auto Focus Grid** Grid focuses automatically from 115-180 cm (42-71") SID

**Auto Image Process** Pre-assigned image look applied to finalized image in less than 4 seconds

**Auto Send** DICOM can be sent after each image/series/exam

## Adaptable dose without compromise

The Precision 180 offers precise and low-dose capabilities that help enable you to achieve greater diagnostic certainty from the very first image. Along with our latest 65% DQE flat panel detector technology and GE HealthCare's optimized imaging chain, Precision 180 offers:

- Fluoroscopy as low as 1 frame/sec
- Seven protocol patient sizes, four of them unique pediatric protocols to customize imaging and dose for children
- Motorized Cu/Al filters – built into protocol or easily added
- Removable auto-focused grid
- Advanced applications like digital tomosynthesis for performing high-resolution limited-angle tomography at radiation dose levels comparable with traditional radiography

**There are also three unique ways to position patients without adding additional dose:**

1. Video camera (optional)
2. Virtual collimation
3. Virtual scanning (optional)



## Precision 180 diagnostic imaging





## Flexibility to help your X-ray department handle it all

From basic fluoroscopy exams to tomosynthesis, Auto Image Paste for stitching, dual subtraction angiography, bariatric exams and even your overflow radiography exams, the Precision 180 has you covered. The system also includes variable SID so you can conduct chest exams without extra equipment. If your patient population is diverse, Precision 180 can hold its own. The table's 323 kg (713 lb) static weight capacity helps ensure you can examine even heavier patients.



With its abundant versatility, you'll find the Precision 180 getting a lot of use. So to help keep you running day in and day out, we've made sure the system includes built-in access to one of the largest remote service support systems in the industry.

Hello, performance.  
Hello, accelerated ROI.  
Hello, Precision 180.

# General Specifications

## Exam Table

|                      |                                     |
|----------------------|-------------------------------------|
| <b>Tilting</b>       | Motorized from + 90° to – 90°       |
| <b>Tilting speed</b> | Variable, continuous from 0 to 5°/s |

## Patient Tabletop

|                                              |                                                         |
|----------------------------------------------|---------------------------------------------------------|
| <b>Dimensions</b>                            | 246 x 80 cm (97 x 31")                                  |
| <b>Minimum floor distance</b>                | From 47 cm to 100 cm (18.6 to 39.4")                    |
| <b>Maximum patient weight</b>                | – 266 kg (586 lbs) dynamic<br>– 323 kg (712 lbs) static |
| <b>Transversal motorized travel</b>          | ± 17.5 cm (7")                                          |
| <b>Longitudinal travel</b>                   | ± 50 cm (20")                                           |
| <b>Maximum tabletop rear access distance</b> | 52.5 cm (20.5") max                                     |

## X-ray tube assembly

|                                                          |                                                        |
|----------------------------------------------------------|--------------------------------------------------------|
| <b>Longitudinal motorized travel (X-ray tube only)</b>   | 195 cm (77")                                           |
| <b>Longitudinal motorized travel X-ray tube/detector</b> | 162 cm (64")                                           |
| <b>X-ray beam assembly angulations</b>                   | ± 40°                                                  |
| <b>Focus/detector distance</b>                           | From 115 to 180 cm (45 to 71")<br>steplless, motorized |
| <b>X-ray tube rotation movement</b>                      | 90°/180° manual movement                               |

## Detector

|                         | Pixium RF4343      | Pixium RF4343FL (Model 3)                                                                                                     | Pixium RF4343FL (Model 4) |
|-------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <b>Type</b>             |                    | Amorphous silicon                                                                                                             |                           |
| <b>Technology</b>       |                    | Caesium iodide                                                                                                                |                           |
| <b>Matrix size</b>      | 2880 x 2881 pixels | 2880 x 2880 pixels                                                                                                            | 2880 x 2880 pixels        |
| <b>AD conversion</b>    |                    | 16 bits                                                                                                                       |                           |
| <b>Pixel pitch</b>      |                    | 148 µm                                                                                                                        |                           |
| <b>Acquisition area</b> |                    | Nominal: 43 x 43 cm (17 x 17")<br>Zoom 1: 30 x 30 cm (12 x 12")<br>Zoom 2: 20 x 20 cm (8 x 8")<br>Zoom 3: 15 x 15 cm (6 x 6") |                           |



# GE HealthCare

## About GE HealthCare Technologies Inc.

GE HealthCare is a leading global medical technology, pharmaceutical diagnostics and digital solutions innovator, dedicated to providing integrated solutions, services and data analytics to make hospitals more efficient, clinicians more effective, therapies more precise and patients healthier and happier. Serving patients and providers for more than 125 years, GE HealthCare is advancing personalized, connected and compassionate care, while simplifying the patient's journey across the care pathway. Together our Imaging, Ultrasound, Patient Care Solutions and Pharmaceutical Diagnostics businesses help improve patient care from diagnosis, to therapy, to monitoring. We are a \$19.6 billion business with approximately 51,000 colleagues working to create a world where healthcare has no limits.

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