

Precision™ 180 *

Impact of Source Image Distance



Most common X-ray investigation is chest X-ray:
In US: **26%-45%**^{1,2} EU: **30%-40%**³

Guidelines recommendation for SID in chest X-ray

American College of Radiology	» SID of 72 inches ⁶
European guidelines	» SID of 180 cm (140-200) ⁷
Italian Association of Medical radiology (Associazione Italiana di Radiologia Medica)	» Fuoco film distance of >180 cm ⁸
UK Clarks Positioning in Radiography	» Focus-to-film distance of 180 cm ⁹
German Medical Association for Quality Assurance (Leitlinie der Bundesärztekammer zur Qualitätssicheru)	» Focus detector distance of 180 cm (150-200) ¹⁰
French Society of Radiology (Société Française de Radiologie)	» Foyer-film distance of 180 cm (140-200) ¹¹

180 cm SID is used for chest imaging as it decreases the magnification of heart and records its size more accurately⁵

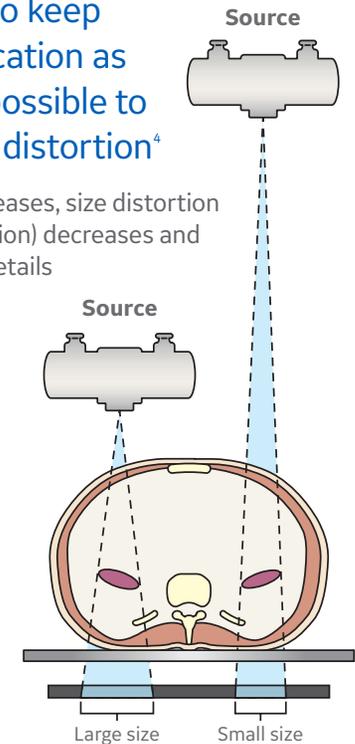
SID <180 cm may lead to economic and clinical implications for chest X-ray exam

Requirement of overhead X-ray tube (OTS) and wall stand	Associated extra cost ~€40,000-60,000	
Refer patients elsewhere	Underutilization of the X-ray room and loss of revenue	
Continue exam with SID <180 cm	Suboptimal results	



Goal is to keep magnification as low as possible to prevent distortion⁴

As SID increases, size distortion (magnification) decreases and recorded details increase⁵



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9. Whitley A.S., Sloane, C., Hoadley, G., Moore, A.D., Alsop C.W. (2005) Clark Positioning in Radiography 12th edn. New York: Oxford University Press Inc

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SID:Source Image Distance

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Easy that excels

Precision™ 180

Precision 180 is a commercial configuration of the Discovery RF180.



A white, modern medical robotic system is shown against a light blue background. The system consists of a large, articulated robotic arm mounted on a base, which holds a circular component, possibly a camera or sensor. Below the arm is a patient table with a control panel on the side. The overall design is sleek and professional.

One system.
Designed for all.



Choosing the right fluoroscopy system for your facility means finding one that offers benefits for everyone. Simply put, patients, technologists, doctors and directors should find it easy to value the system for how it positively impacts the X-ray experience.

Meet the Precision 180. This powerful remote imaging system effortlessly earns respect. Simple and intuitive, it provides a streamlined clinical workflow. Technologists love the easy automated set-up. Patients appreciate the expedited exams. And, of course, physicians value the clarity of the images.

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.

Easy. Streamlined. Productive. It's one system. Designed for all.

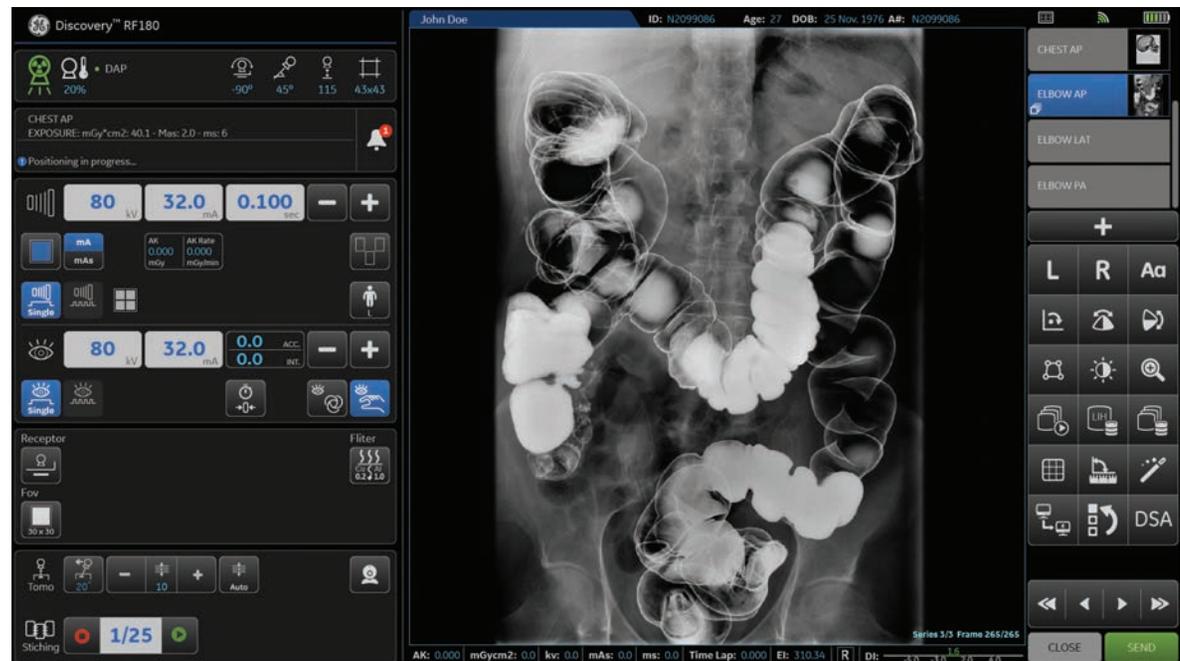
Intuitively simple. Your day streamlined.



Today's high patient volumes call for a simple fluoroscopy system with fast and automated workflow. That's why the Precision 180 is intelligently designed. The goal? Maximizing efficiency from pre-scan to post.

With an intuitive touchscreen user interface and AutoRF, exam set-up is simplified. Fewer clicks are required. And the need to physically move equipment is almost eliminated. The large, elevating table accommodates a wide range of patient sizes and also has touch controls on the table, tube and remote. Add that the table moves in a multitude of directions, and positioning hurdles are resolved.

And the Precision 180 has yet another benefit. True rear accessibility. Better clinician access. Easier patient transfer. X-ray streamlined.

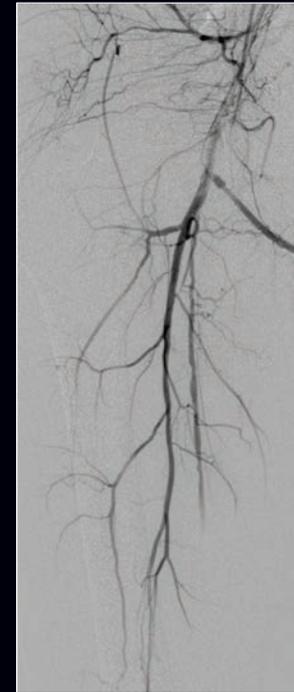
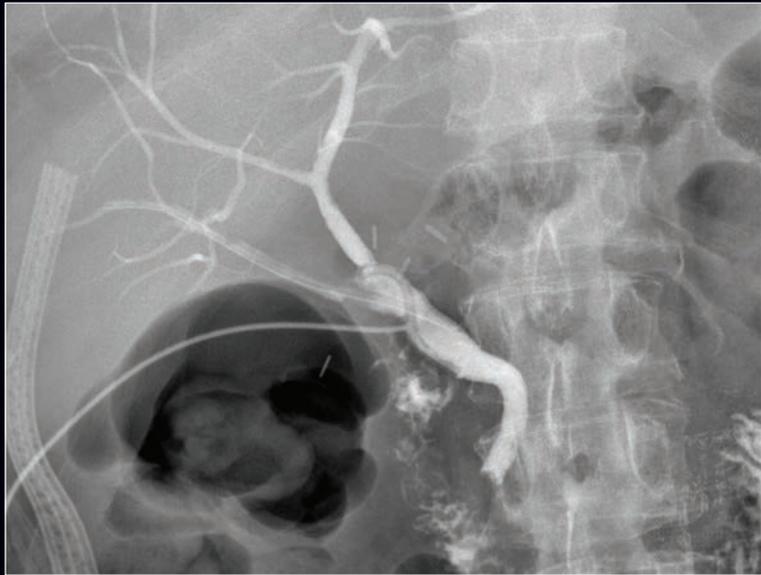


All about confidence.

Helping ensure that first image counts, means designing a powerful X-ray system that delivers great diagnostic certainty. The Precision 180 sets out to take clinician confidence to a new level with advanced technologies to deliver fast, high-quality images that support amazing and valuable care.

- The latest low-dose flat panel detector technology
- Unique pediatric protocols to customize imaging and dose for children
- Virtual radiation-free collimation, virtual centering, positioning camera
- An impressive imaging range enabled by motorization of the table,
- Advanced apps to accommodate a wide range of exams like tomo and Auto Image Paste.





If your fluoroscopy system is valued for how often you use it, then the Precision 180 stands strong and effective.

Performance, amplified.

Designed to keep your X-ray department busy, this versatile workhorse can perform tomo, Auto Image Paste, DSA, and bariatric exams. It also includes variable SID so you can conduct chest exams without extra equipment.

If your patient population is diverse, this system holds its own. The table's 713 lb (323 kg) weight capacity helps ensure you can examine even heavier patients.

And with all this use, to help keep you running day in and day out, the Precision 180 features built-in access to one of the largest remote service support systems in the industry. Hello, performance. Hello, accelerated ROI. Hello, Precision 180.*



*510(k) pending at FDA. Not available for sale in the United States.
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#thefutureofxray

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