

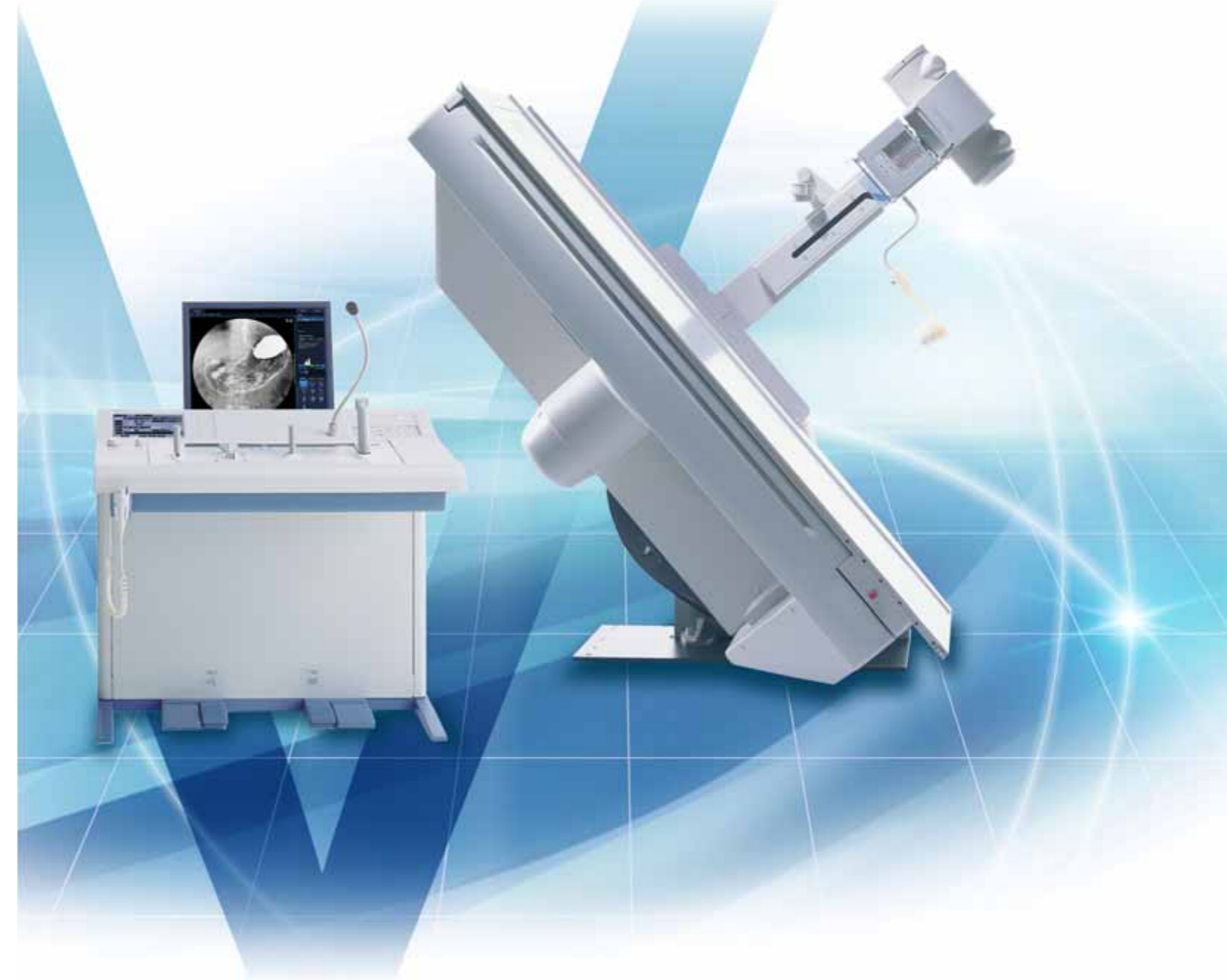
# INNOVATION BY DESIGN

For over 130 years, Toshiba has led the world in developing technology to improve the quality of life. This Made for Life™ commitment is reflected in our family of leading-edge imaging systems for CT, MRI, ultrasound, cath labs, X-ray, and nuclear medicine. From the creation of our first X-ray tube in 1915 to the introduction of the first dynamic volume CT scanner in 2007, Toshiba continues to build upon its legacy with technological innovation that improves patient care while providing lasting quality for a lifetime of value.

## Toshiba — A History of Leadership

- 1875 Founding of Toshiba
- 1915 First X-ray Tube
- 1973 First Real-Time Ultrasound Scanner
- 1989 First Helical CT Scanner
- 1990 First Tissue Doppler Imaging System
- 1993 First 1-Megapixel CCD
- 1997 First Open Superconducting Magnet
- 2000 First All-Digital Multipurpose X-ray System
- 2003 First 64-Slice CT Scanner
- 2005 First Compact Dual-Plane Cath Lab with Flat Panel Detectors
- 2007 First Dynamic Volume CT Scanner

**TOSHIBA**  
Leading Innovation >>>



**TOSHIBA MEDICAL SYSTEMS CORPORATION**

<http://www.toshibamedicalsystems.com>

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REMOTE CONTROL R/F SYSTEM

**Plessart™ VIVO**

Printed in Japan

# Plessart™ VIVO

## Key features of Plessart VIVO

Fully integrated advanced digital processing coupled with a patient friendly experience.

- Advanced digital image processing
- Patient friendly examination
- Clinical flexibility
- Excellent image quality
- High throughput
- Compact design



## Flexible movement of the table and easy operation ensure comfortable examination

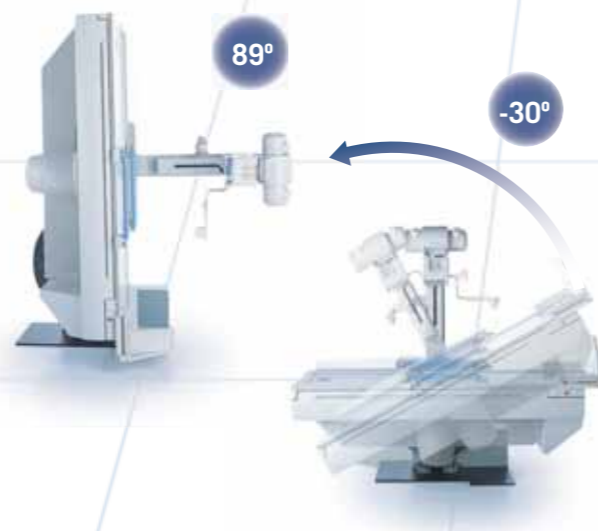
### Wide coverage

An extended imaging range of 90 cm + I.I. field of view allows whole-body examinations to be performed without repositioning the patient.



### Wide range of motion facilitates gastrointestinal screening examinations

The tilt range of +89° (standing) to -30° (head-down tilt) facilitates gastrointestinal screening examinations. For example, double-contrast imaging of the anterior wall of the stomach can be performed at -30°.



### Significantly lower noise levels in the examination room

An advanced drive system minimizes noise from table movement.

### Clear space behind the table

The clear space behind the table allows easy access to the patient during a procedure.



### Tabletop effectively reduces exposure dose

The flat tabletop is made of a material with very low X-ray absorption, reducing the exposure dose.



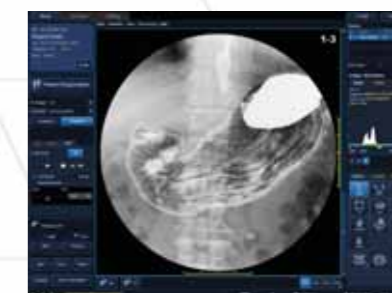
### One-touch setting of X-ray conditions

User program switches are provided for saving frequently used X-ray conditions.



### User-friendly monitor layout

The patient information is shown separately from the fluoroscopy/fluorography image making it easier to read the information displayed on the monitor.



## New features support a wide variety of clinical applications

### 2nd floor mounted tube with wall stand (option)

A wide variety of examinations can be performed by combining the system with an additional tube support and wall stand.



### X-ray tube angle adjustment for chest examinations

With the table in the upright position, the angle of the X-ray tube can be adjusted for use with a chest X-ray stand. Positioning of the X-ray tube and control of the exposure field can be performed using switches on the X-ray tube support.



Tube rotation from 30° to 90°



X-ray tube movement switch



### Comfortable endoscopic/urological screening examinations

The center of the X-ray beam can be moved 45 cm toward either end of the table, ensuring an easy approach during endoscopic/urological examinations under fluoroscopic guidance.



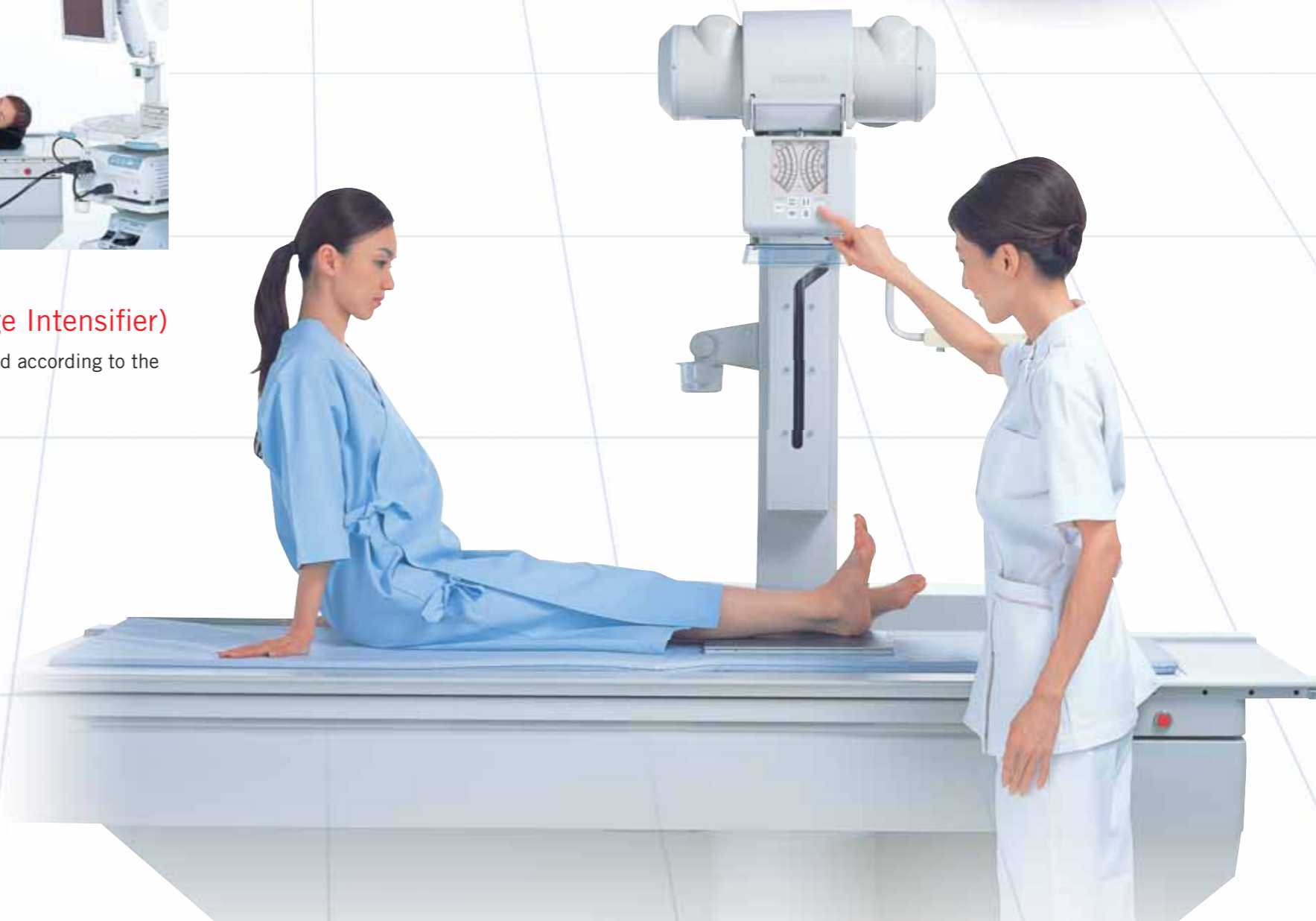
### Selectable I.I. (Image Intensifier)

A 9" or 12" I.I. can be selected according to the clinical requirements.

### SID setting unit (option)

By combining the SID setting unit, a distance of 150 cm from the film to the X-ray tube can be set for chest examinations.

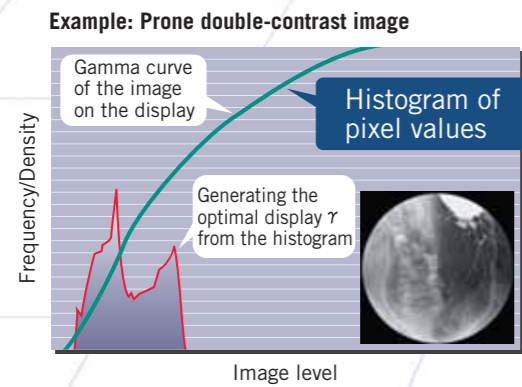
\* Only for standing examinations using a cassette



## New image processing technologies and a high-resolution CMOS detector provide high-quality images

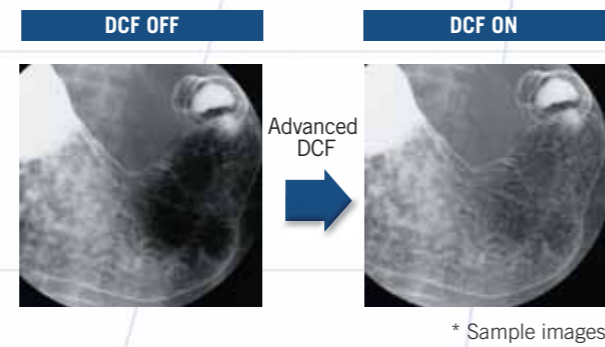
### Auto-window function

Plessart VIVO's unique auto-window function automatically generates the optimal gamma curve for the histogram distribution in the acquired image.

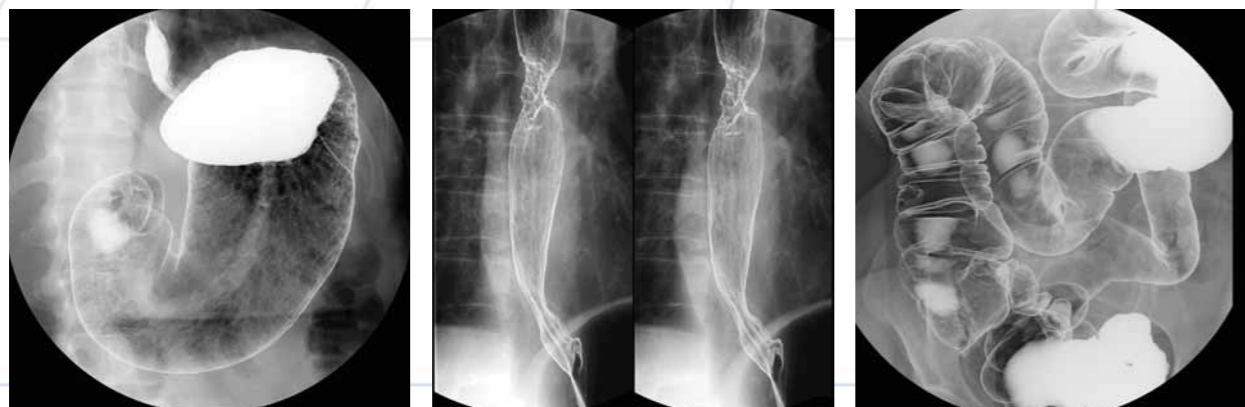


### Advanced digital compensation filter (DCF)

The DCF corrects image density differences to acquire images that are free from blackout. In examinations such as gastrointestinal and orthopedic radiography, optimal images can always be acquired.



### Sharp high-quality images



\* Radiography of the upper gastrointestinal tract

\* Sequential radiography of the esophagus

\* Radiography of the lower gastrointestinal tract

## Compact system design saves space

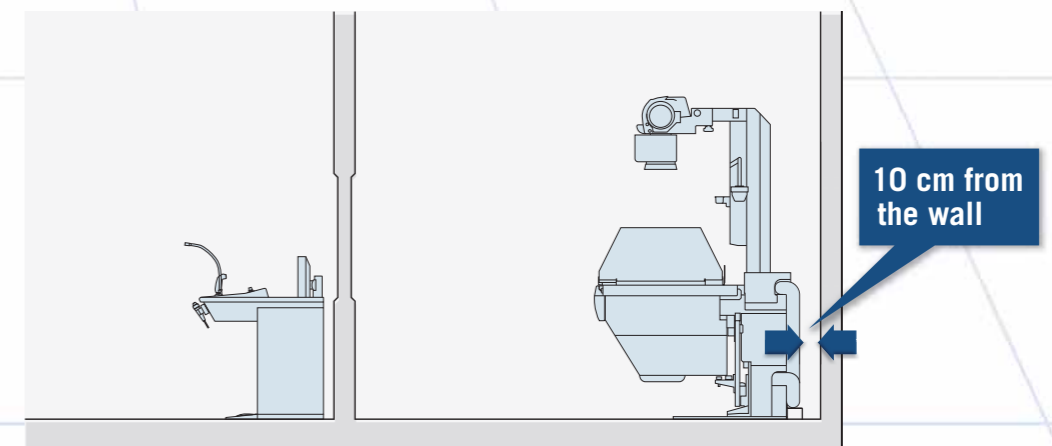
### Centralized control of system operations on a single monitor

Patient registration, fluoroscopy, and fluorographic image display can be performed on one system monitor.



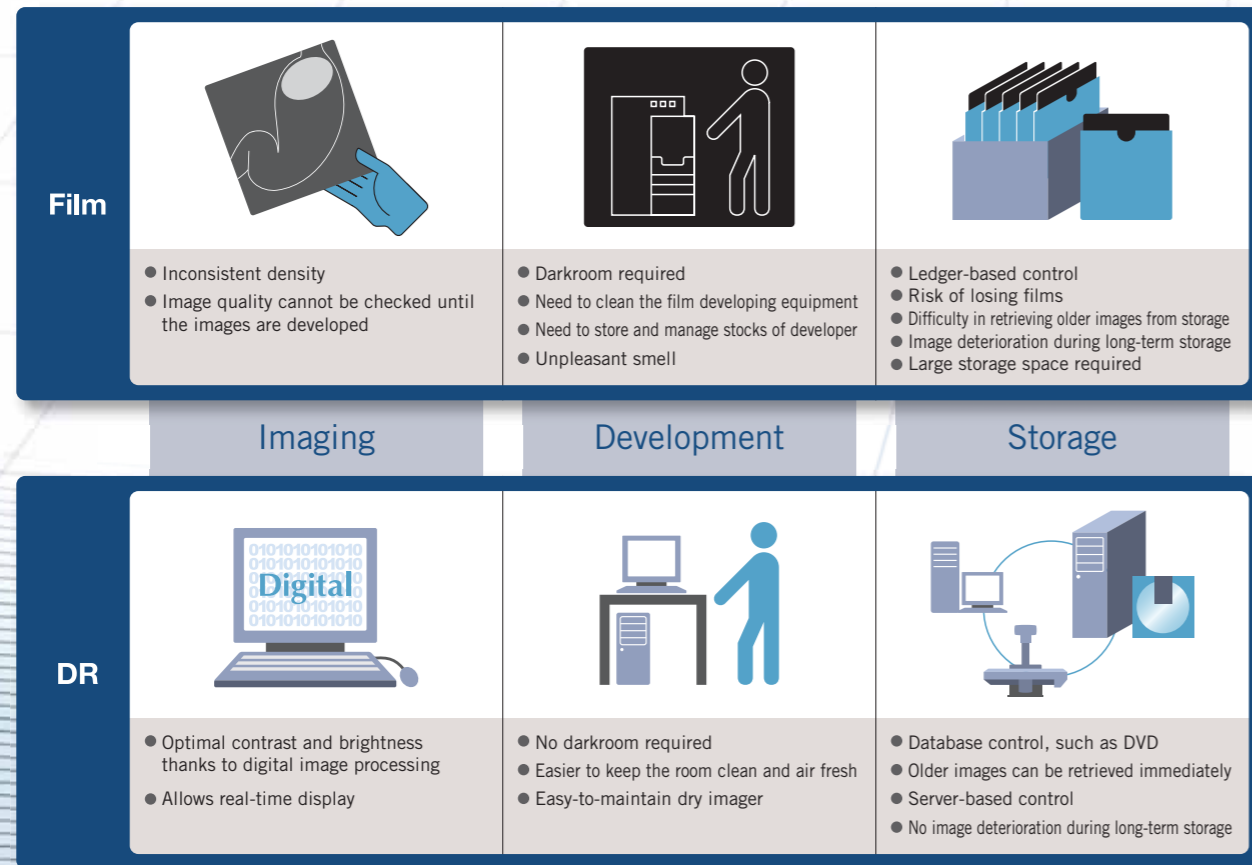
### Can be installed in a small examination room

The system can be installed 10 cm from the wall.



## Move beyond film

Consider the advantages of digital radiography over film!



## Achieve higher throughput with a full-digital system

