TOSHIBA

Leading Innovation

REMOTE CONTROL R/F SYSTEM

Winscope Plessart™

DREX-W20PE8 / ***EX8***

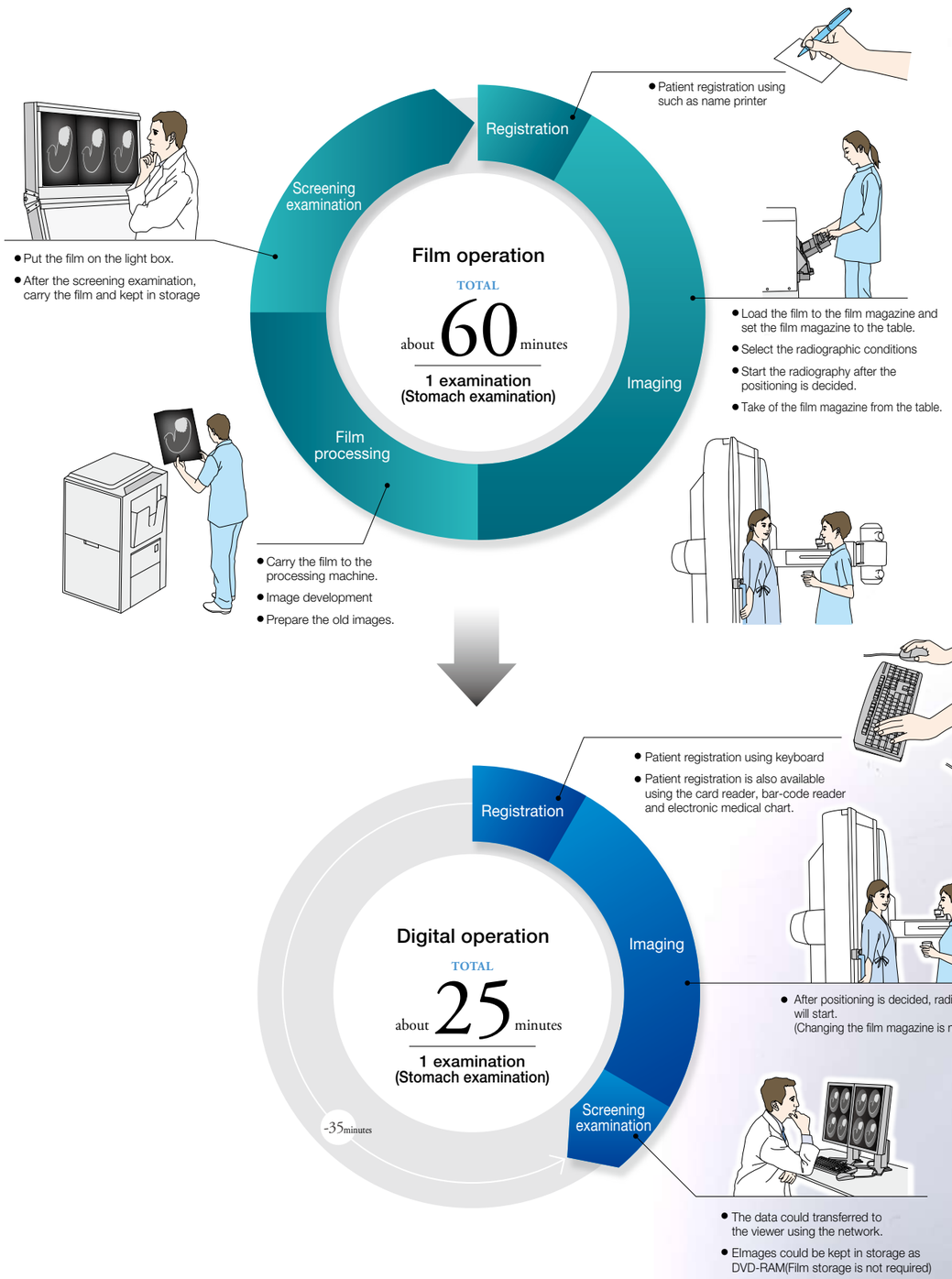
WINSCOPE Plessart provides true digital solutions.

The advanced full-digital system WINSCOPE Plessart acquires high-resolution images with outstanding diagnostic accuracy and fully supports filmless operation.

Winscope **Plessart**

The full-digital X-ray TV system WINSCOPE Plessart provides new clinical value to all users.

Achieve higher throughputwith a fully integrated system
From start to finish, WINSCOPE plessart reduces the number of steps required to perform exams.
Simplified operation further contributes to a truly examination enviroment



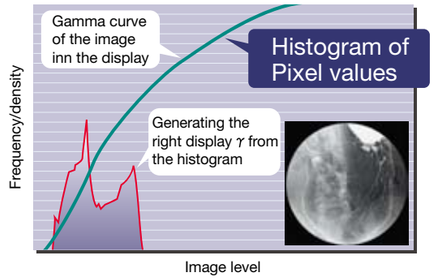
Optimize images with superior processing power

New image processing technologies and Super-fine high resolution CCD provide high-quality images without blackened put area

Auto window function

WINSCOPE Plessarts' s unique auto window function can generate the optimal gamma curve automatically for the histogram distribution in the acquired image.

Example: Prone double-contrast image



Advanced Digital compensation filter (DCF)

The DCF corrects the density differences in images and obtain the images without blackened out area. In examinations such as gastrointestinal and orthopedic radiography, optimal images can always be acuired.

DCF OFF

Advanced DCF

DCF ON

*Sample images

User friendly monitor layout

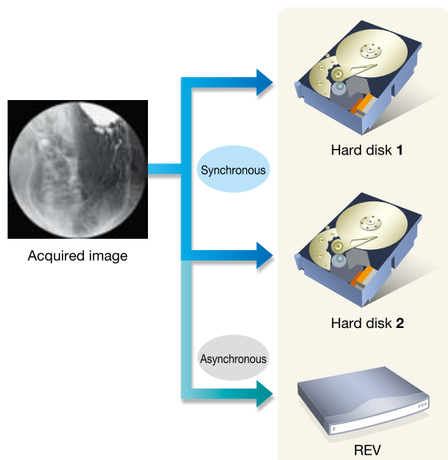
By dividing the patient information area and the acquired images area, live monitor is designed to be easy to understand. Character information and image will not cross over so the technician can concentrate on the examination.

Backup Hard Disk + REV Disk* Prevent Data Loss MHR** Backup Further Improves Data Safet

Acquired images are saved to hard disk and a backup copy is mirrored to a second hard disk just in case the first disk fails. Simultaneously saving each image on two separate disks virtually eliminates worries about data loss should the main hard disk malfunction. In addition, a high-speed, large-capacity REV disk is adopted for the backup of image data. Valuable image data can be stored long-term in high-reliability external media.

* Removable hard disk

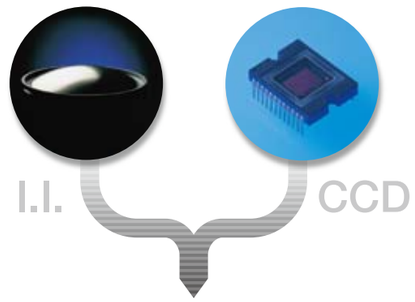
** MHR (Mirroring HDD & REV) backup function



Combination of I .I . and CCD digital camera

The high-performance I.I. and CCD digital camera, with excellent dynamic range characteristics, realize a high Detective Quantum Efficiency* (DQE). Compared to film, images can be obtained with smaller X-ray doses, thus shortening imaging time and producing clear images with minimized blurring.

* DQE (Detective Quantum Efficiency):
Indicator measures detector effectiveness in catching X-ray phontons and using them for image construction



Realizing clear images with minimized blur

Comfortable examination with flexible and wide-range movement of table

Wide coverage

Large examination rage (spot stroke 90cm + I.I. field of view) made it possible the whole-body examination without moving the patient position

Dynamic Motion Facilitates

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

Drastically reduce the noise in the examination room

With the improvement of driving scheme, noise of table movement kept to a minimum. Also the X-ray generator is out of examination room,
which reduced the noise in the room.

Clear space under the table

Under the table, there is clear space which could approach the patient easily in urological examination.

Tabletop effectively reduces exposure dose

The table is made of a material with minimum X-ray absorption, reducing the exposure dose. In addition, the flat table requiring less Barium can efficiently meet screening examination and multi-purpose study needs.

Multipurpose examination supported with new function

2nd Tube with ceiling suspended tube support.

By adding additional tube support to the system, wide variety of examination could be performed.

X-ray tube structure support for chest examination

Structure of angled X-ray tube is available with the table in standing position. Positioning of X-ray tube and control of the exposure field could be performed with the switch on the brace of X-ray tube

Tube rotation from 30°~90°

X-ray tube movement switch

Support DA and DSA function for abdominal study

When DSA package (option) is ordered, DA and DSA examination will be available which is required for abdominal study.

Display image of system monitor

Comfortable Endoscopic/Urological screening examination

A clearance distance of 45 cm is provided from the center of the X-ray beam to the upper end of the table, enabling an easy approach from the top of the table during the endoscopic/urological examination under fluorographic guidance.

Real Time Display During the examinations

Digitally obtained images can be checked in real time. In addition, the images can be displayed on the local control console (option), supporting intra-operative monitoring and permitting the operator to explain to the patient while showing the images.

*An additional keypad for the local control console (option) is required

Considerate to patients supported by variety of accessories

Wide footrest

A wide footrest is mounted on the foot end of the table. This patient friendly footrest provides sufficient space for the patient to stand comfortable.

Barium cup holder

Convenient barium cup holder

New shoulder rest

The shape of the shoulder rests has been improved to best fit the shoulder size of the patient.

Side protector

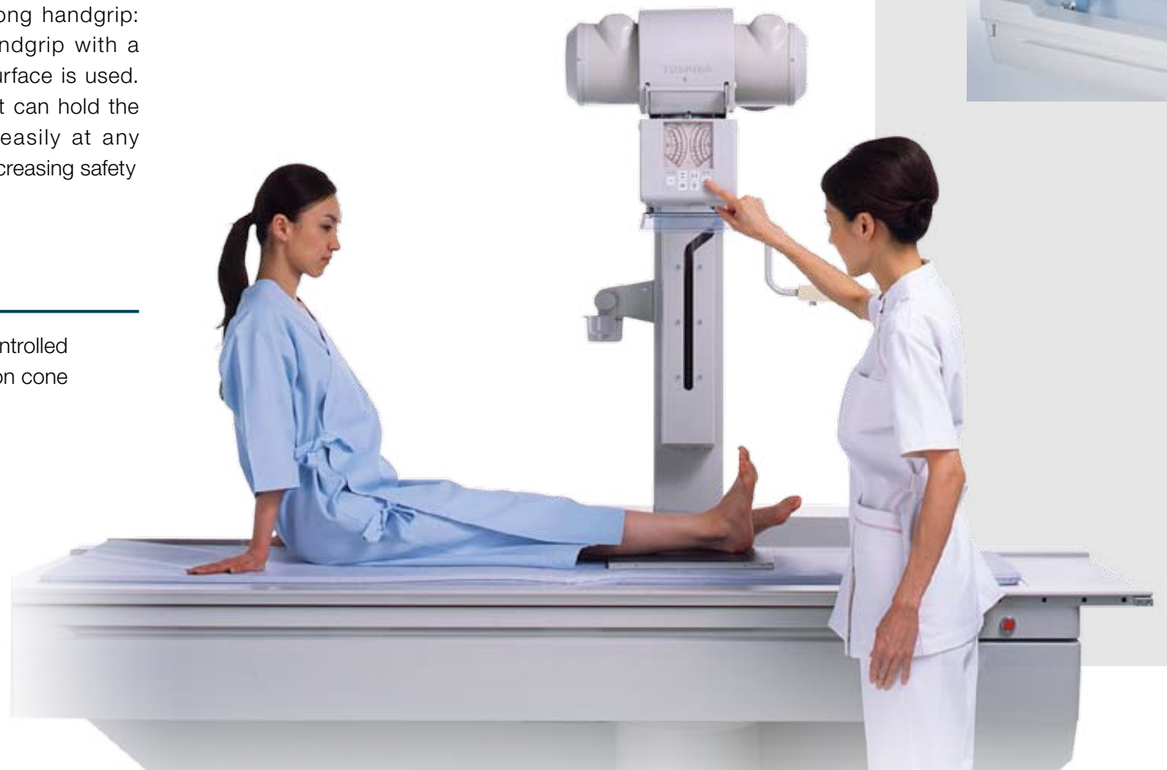
A side protector is provided to prevent the fingers of the patient's left hand from being caught in the unit.

Hand grip

Non-slip long handgrip: A long handgrip with a non-slip surface is used. The patient can hold the handgrip easily at any position, increasing safety

Compression tube

Remote-controlled compression cone



Options

Table mat

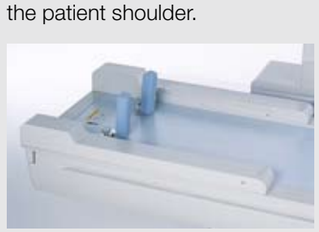
People-friendly materials are used for the table mat, reducing patient discomfort during long examination.

Foot switch

Operation of fluorography and radiography could be performed with this switch.

Motor driven shoulder rest

Shoulder rest will move electrically and stop automatically when the shoulder pat touches the patient shoulder.



Urological accessories

Variety of urological accessories are supported equivalent to the system dedicated to Urological study.

Cassette holder

35 cm x 43 cm (14" x 17") cassette holder is supported used for multiple study such as enema examination and urological study.

Comfortable observation flow supported by network transfer

Acquired image data is immediately transferred to the network. And, upon completion of the screening examination, shown to the patient with an explanation. This is the new flow of screening examination, again made possible by digital technology.

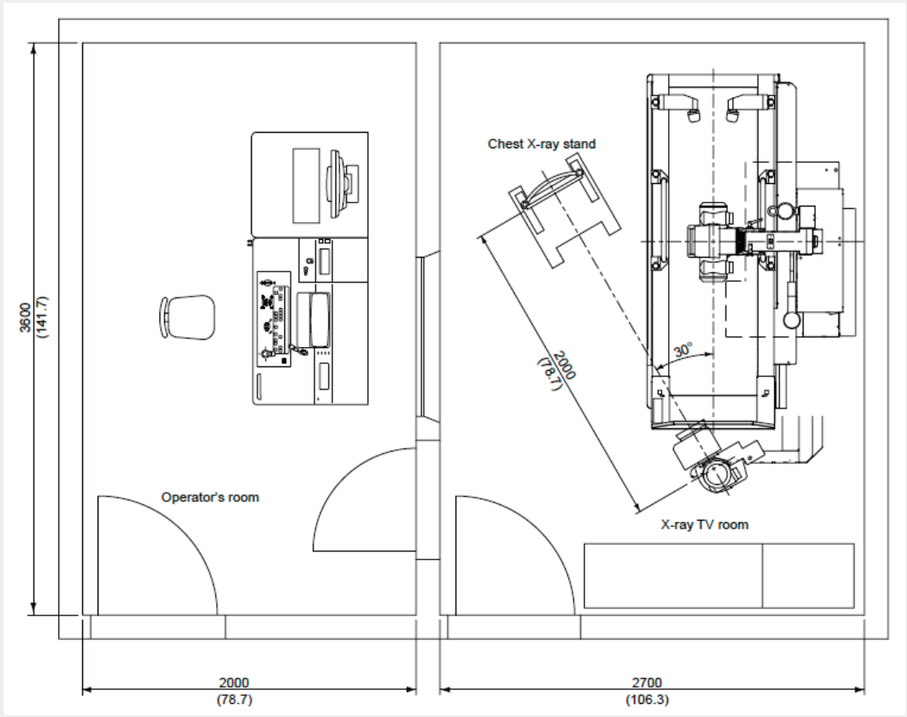
Images freely transferable via the hospital network

A single click transfers the acquired images over the network to the images server and viewer located in the consultation room and the reading room. Immediately after completion of the screening examination, the results can be explained to the patient. Images can placed in electronic medical chats or used for remote medical care via the internet

Word standard communication protocol compatible with DICOM storage (option)

DICOM 3.0 image transfer (DICOM Storage) support facilitates the building of full-fledged hospital networks, including HIS, RIS, and PACS.

Layout



Unit: mm (in)

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 creating our first X-ray tube in 1915 to the introducing the first dynamic volume CT scanner in 2007, Toshiba continues to build upon our legacy with technological innovation that improves patients 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 One-million-pixel CCD
- 1997 First Open, Superconductiong 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

Made for Life™

TOSHIBA MEDICAL SYSTEMS CORPORATION

http://www.toshibamedicalsystems.com

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Toshiba Medical Systems Corporation meets internationally recognized standards for Quality Management System ISO 9001, ISO 13485.

Toshiba Medical Systems Corporation Nasu Operations meets the Environmental Management System standard, ISO 14001.

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