Main components of DRAD-3000E series

Digital Radiography Unit

Ceiling Suspended Tube Support

Bucky Table (for fixed FPD)

Bucky Table (for portable FPD)

* Lateral FPD holder is included as a standard

Additional Foot Switch for Table (option)

Additional Piano Switch for Table (option)

Vertical Bucky Stand (for fixed FPD)

Vertical Bucky Stand (for portable FPD)

* One of these additional foot switches can be selected

Portable Flat Panel detector

Hand Grip for Lateral Radiography (option)

Hand Grip for Lateral Radiography (option)

Grid Holder for Portable FPD (option)

Other options

- Auto Stitching
- Patients Support Stand
  and more...

* Dose Area Product Meter is also compatible.

RADREX

TOSHIBA
Leading Innovation >>>

Two Fixed FPDs for the vertical stand and table

Vertical stand with Fixed FPD, table with Portable FPD

One portable FPD for use with the vertical stand and table

One fixed FPD for fast chest radiography

Dual   **Mixed**   **Standard plus**   **Chest**
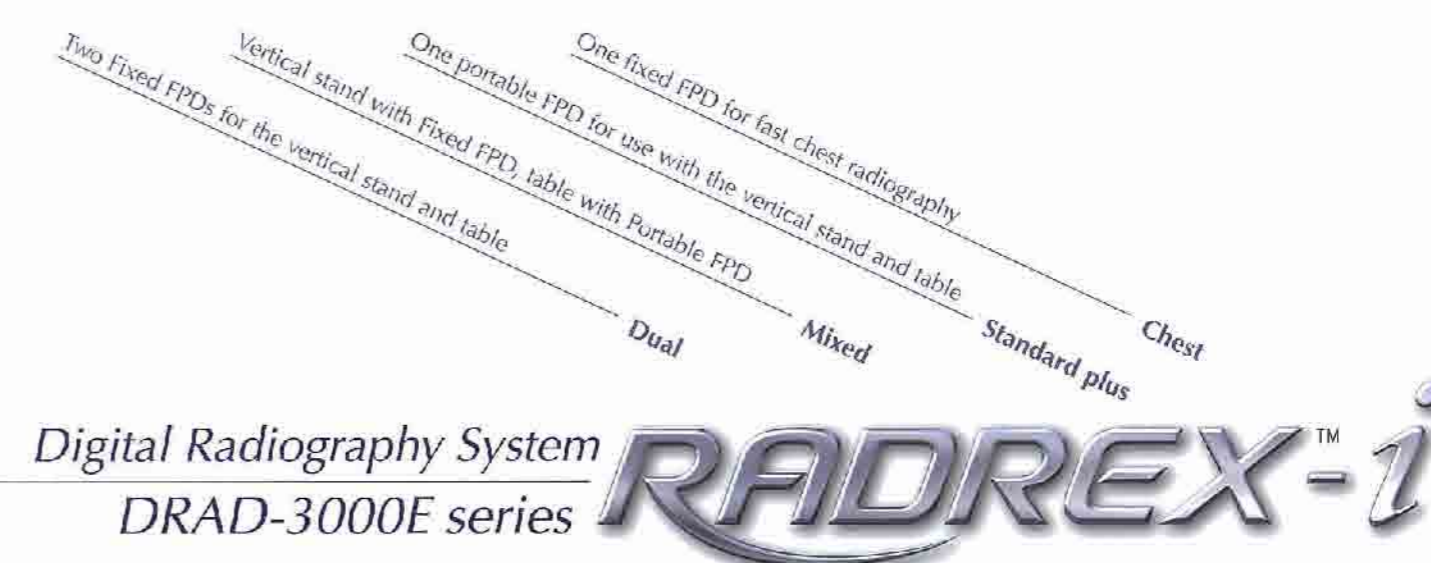
Digital Radiography System
DRAD-3000E series

RADREX-i™
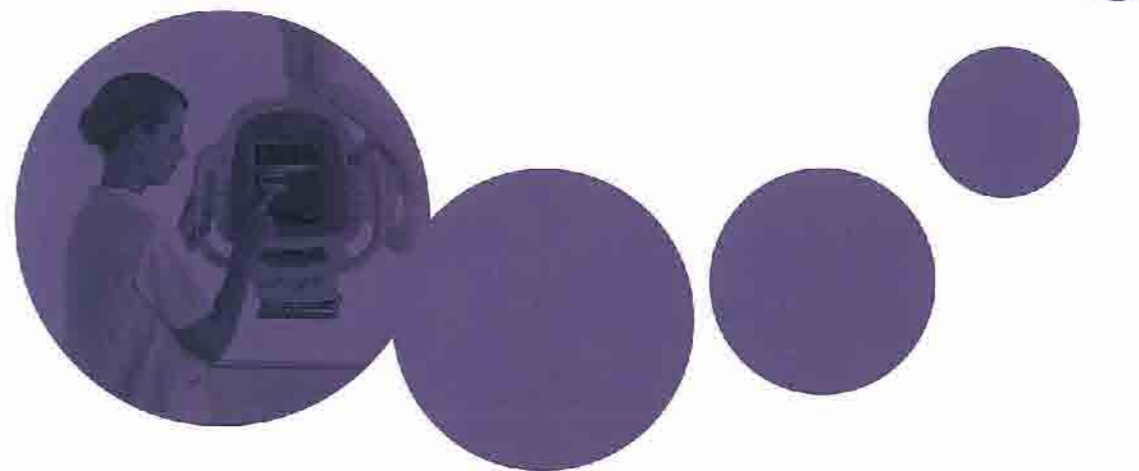
The power to enhance productivity performance and patient care

Increase power

The combination of a high weight capacity table, high heat capacity tube and powerful generator allows you to image larger patients more effectively.

Raise productivity

Automation comes standard with RADREX-i including features such as auto tracking, auto park, auto collimation, advanced image processing and body part mapping.

Enhance efficiency

A single point-of-contact workstation with easy-to-use ergonomic controls streamlines workflow and accelerates throughput.

Improve patient care

Tube-side access to examination controls, with an in-room image display, allows point of care decision making to improve patient care.

Support clinical flexibility

The portable FPD (Flat panel detector) is a light-weight device, permitting it to be easily transported for a wide range of applications.

With increasing demands placed on declining resources, enhancing performance, productivity and patient care in today's radiographic environment is essential to radiography departments. That's why RADREX-i delivers more power and provides more standard features than any other digital radiography system in its class.

Achieve higher throughput with a fully integrated system

From start to finish, RADREX-i reduces the number of steps required to perform patient exams. All components are completely integrated - including the Overhead Tube Crane (OTC), wall stand and generator console - so program set-up and patient positioning are simpler. The result is a streamlined clinical environment that puts you miles ahead of other systems at the end of every day.

Coordinated movement of the wall unit and OTC.   Coordinated movement of the Bucky table and OTC.

Auto Tracking

Movement of the X-ray tube and the detector are automatically coordinated to maintain proper centering. The result is fast and accurate positioning without the extra time and effort needed to make manual adjustments.

Auto Collimation

Accelerates patient positioning and reduces radiation exposure by automatically selecting the proper field-of-view for each body part. This is done via the coordination of RIS information and APC settings that have been pre-programmed.
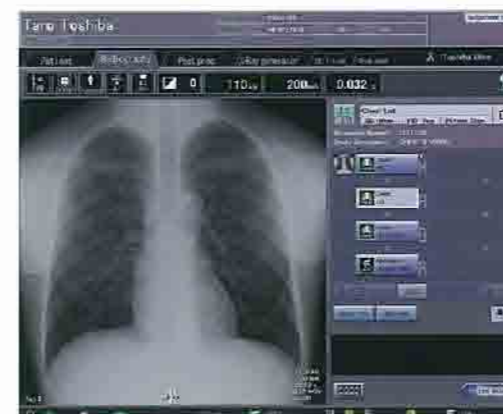
Automatic selection of APC

✓ The proper APC (Anatomic Program Control) protocols from the RIS are selected automatically
✓ APC protocols are pre-configured with collimator settings, processing parameters, markers and exposure settings
✓ Coloring of APC technique allows easy selection for routine creation.

Integrated console

Patient entry, generator controls, post-processing and documentation can be performed with the large 38.6 cm X 29.0 cm monitor (19" diagonally).

In-room panel (RexView™)

✓ <3sec in-room image display
✓ Anatomical Program Control (APC)
✓ Color LCD touch panel
✓ Rotation markings
✓ Motorized retraction switch
✓ Patient information display
✓ Change exposure factors
✓ Send images to PACS

Touch panel is an option

Rapid access to patient information

RADREX-i provides seamless integration with PACS, RIS and HIS as well as compatibility with five major DICOM classes. Work list, MPPS, Print and Send are standard while Storage commitment and DVD are optional.

Raising the standard
for productivity and performance

With its flexible design and an array of advanced standard features, RADREX-i gives facilities the ability perform more exams involving a wider range of applications. From multi-purpose capabilities provided by the vertical stand, to software automation that streamlines examinations, Radrex-i does everything more economically with an unprecedented ease-of-use both patients and technologists will appreciate.

Auto Center Stop

Collimator Positioning Software provides a visual guidance for quick and easy detector centering.

Auto Park

Pressing the "Park" key on the in-room panel raises the OTC to its highest position so that patients can safely move out from under it without having to wait for the operator to reposition it.
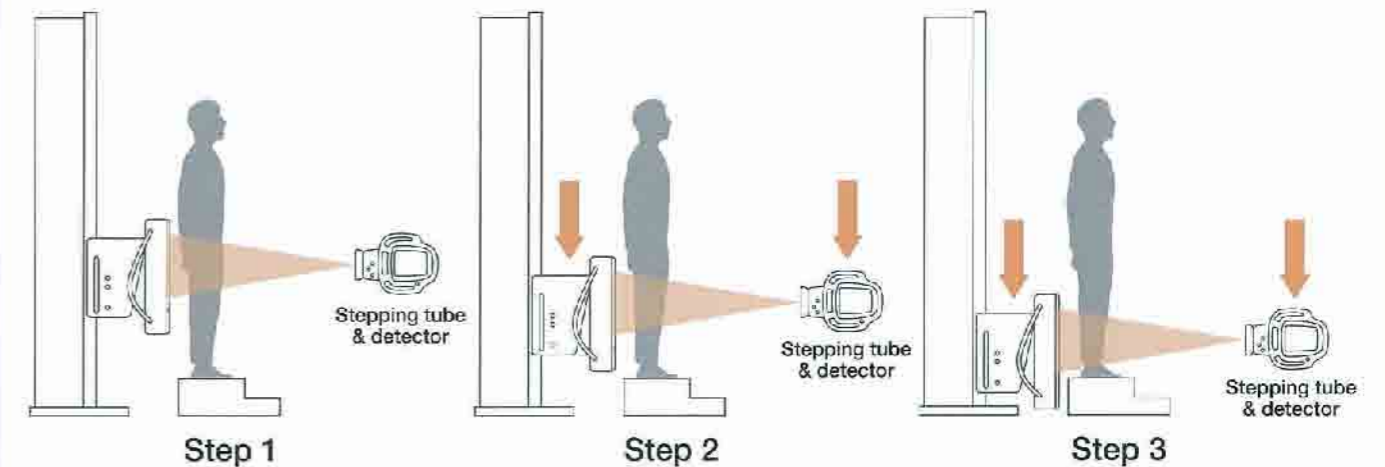
Stitching software (option)

✓ Easy acquisition of long leg or spine images
✓ Stationary or stepping applications are available with stitching software option
✓ No extra workstation required

Auto Stitching – Stationary

Fixed point tube

Step 1

Fixed point tube

Step 2
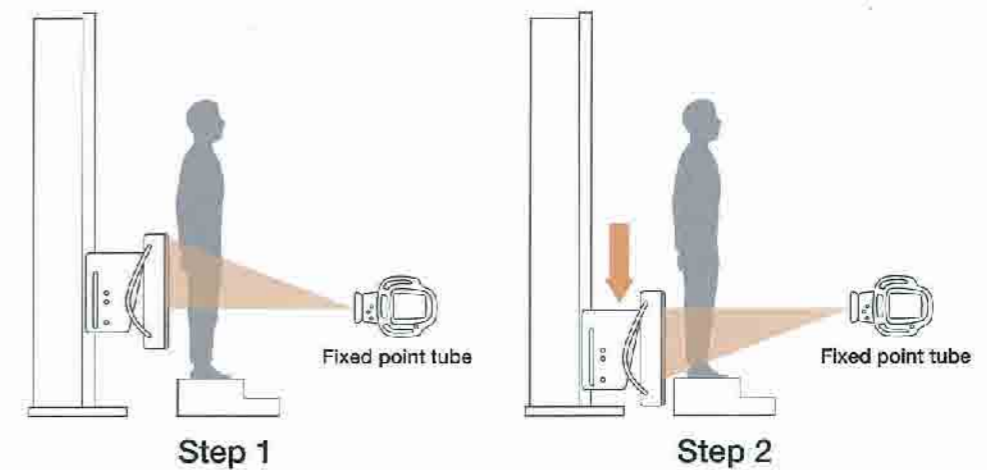
Auto Stitching – Stepping

Stepping tube & detector

Step 1

Stepping tube & detector

Step 2

Stepping tube & detector

Step 3

Optimize images
with superior processing power

Many of the image optimization features can be programmed into the APC (Anatomic Program Control) to eliminate post processing after an exposure and save time during an examination. Combining today's most advanced detector technology with a host of sophisticated software applications, Radrex-i delivers highly detailed images without unwanted artifacts.

Image optimization features
✓ Auto-window for quick image optimization
✓ Frequency processing for improved dynamic range
✓ Spatial filter processing for displaying all details
✓ DigitalCompensation Filter to visualize soft tissue
✓ Wide scale frequency processing (f-proc)

Digital Compensation Filter (DCF)
✓ Provides dynamic range control processing in under-penetrated and over-penetrated areas
✓ Reduces need for soft-tissue exposure and bone exposure
✓ Decreases post processing time and provides radiologist with optimum image display

DCF Off   DCF On

Position   Position
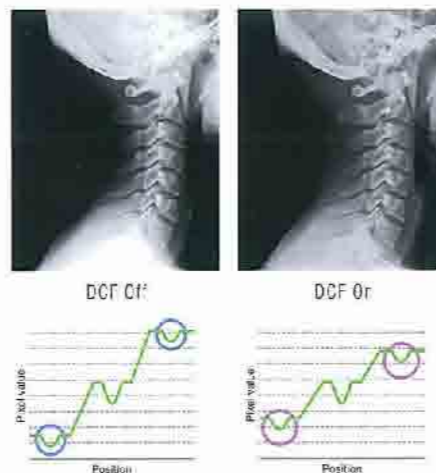
Broad range of
clinical applications

Tilting Radiography - Clavicle   Tilting Radiography - Elbow

90° Vertical Stand Tilting
The standard tilting wall stand, with a tilting range from -20 to 90 degrees, increases system utilization and enables a multitude of applications.
* This function is not supported for Standard plus system.
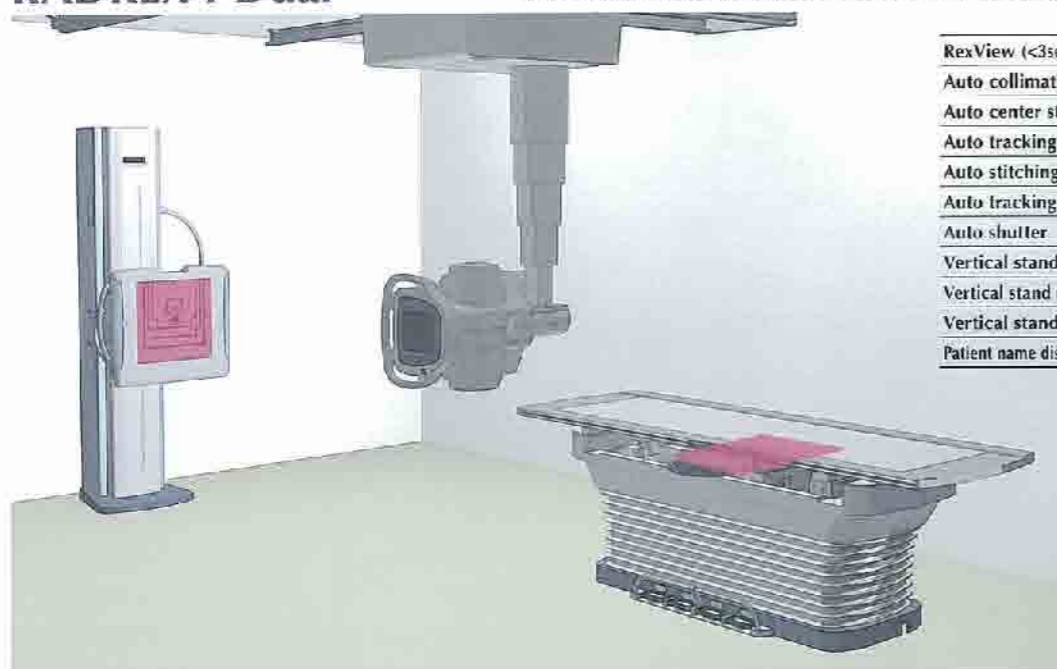
Portable panel flexibility
Toshiba radiography system combined with compatible FPD has achieved the optimization of clinical flexibility. The FPD can be easily moved within the examination room. The Toshiba system optimized patient safety, clinical flexibility and patient throughput.

The power to enhance productivity performance and patient care

Toshiba RADREX-i could maximize productivity, performance and patient care with the variety of FPD combination and RexView™ in Room LCD Display which eliminates wasted time waiting at the x-ray generator console.

RADREX-i Dual
Two Fixed FPDs for the vertical stand and table

RexView (<3sec Image Display)	✓
Auto collimation	✓
Auto center stop	✓
Auto tracking (vertical stand)	✓
Auto stitching (option)	✓
Auto tracking (table)	✓
Auto shutter	✓
Vertical stand tilting	✓
Vertical stand up/down movement	Motor&Manual
Vertical stand with hand switch	✓
Patient name display on Vertical stand	✓

Fixed FPD

Fixed FPD

The high throughput RADREX-i Dual System which includes an elevating table with fixed 43cm x 43cm (17" x 17")FPD, and a tilting vertical stand with fixed 43cm x 43cm (17" x 17")FPD.

RADREX-i Standard Plus
One portable FPD for use with the vertical stand and table
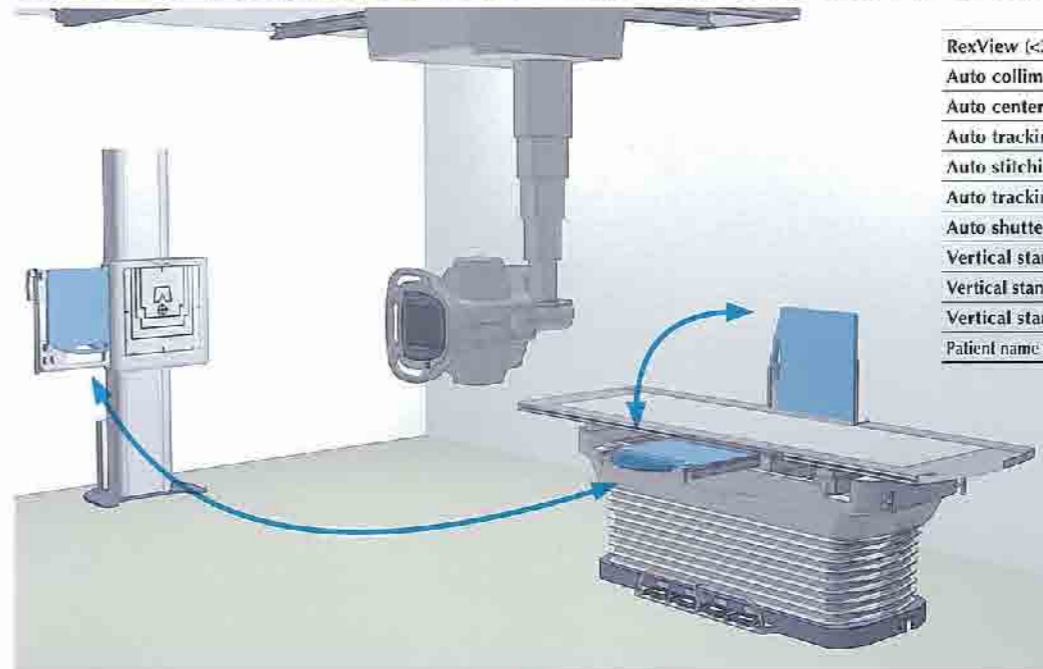
RexView (<3sec Image Display)	✓
Auto collimation	✓
Auto center stop	✓
Auto tracking (vertical stand)	✓
Auto stitching	
Auto tracking (table)	✓
Auto shutter	✓
Vertical stand tilting	
Vertical stand up/down movement	Manual
Vertical stand with hand switch	
Patient name display on Vertical stand	

Portable FPD

Combine clinical flexibility and affordability with the RADREX-i One Panel System which includes a portable 35cm x 43cm (14" x 17")FPD which can be placed in the elevating table, vertical stand and or be removed for general radiography examinations.

RADREX-i Mixed
Vertical stand with Fixed FPD, table with Portable FPD

RexView (<3sec Image Display)	✓
Auto collimation	✓
Auto center stop	✓
Auto tracking (vertical stand)	✓
Auto stitching (option)	✓
Auto tracking (table)	✓
Auto shutter	✓
Vertical stand tilting	✓
Vertical stand up/down movement	Motor&Manual
Vertical stand with hand switch	✓
Patient name display on Vertical stand	✓

Fixed FPD

Portable FPD

Dual detector performance with portable detector flexibility with the RADREX-i Mixed System which includes an elevating table with a portable 35cm x 43cm (14" x 17")FPD, and a tilting vertical stand with fixed 43cm x 43cm (17" x 17")FPD.

RADREX-i Chest
One fixed FPD for fast chest radiography

RexView (<3sec Image Display)	✓
Auto collimation	✓
Auto center stop	✓
Auto tracking (vertical stand)	✓
Auto stitching (option)	✓
Auto tracking (table)	
Auto shutter	✓
Vertical stand tilting	✓
Vertical stand up/down movement	Motor&Manual
Vertical stand with hand switch	✓
Patient name display on Vertical stand	✓

Fixed FPD

Maximize room utility and enhance department productivity, performance and patient care with the RADREX-i Fixed 43cm x 43cm (17" x 17")FPD Chest System with tilting vertical stand.