

TOSHIBA

RADIOGRAPHIC SYSTEM

RADREXTM



TOSHIBA MEDICAL SYSTEMS CORPORATION
<http://www.toshibamedicalsystems.com>

©Toshiba Medical Systems Corporation 2011-2014. All rights reserved.
Design and specifications subject to change without notice.
MCA/R0232ZAB 2014-03 TME/D

Toshiba Medical Systems Corporation meets internationally recognized standards for Quality Management System ISO 9001:ISO 13485.
Toshiba Medical Systems Corporation New Operations meets the Environmental Management System Standard ISO 14001.
RADREX is a trademark of Toshiba Medical Systems Corporation.

Printed in Japan

RADREX

High-quality radiography – a most important tool

Basic radiography requirements neatly fitted into a balanced and optimized package

- Reliable and user-friendly
- High image quality
- Digital upgradability - by combining with Toshiba Portable Flat Panel Detector (TFD-2010A)

Radrex is a simple system with qualities that fulfill everyone's needs

- For the operator - ease of operation and patient friendliness
- For the physician - sophisticated diagnosis through high-quality images
- For the manager - reliability

Overall Savings

These systems are excellent space savers and can be installed swiftly. Built to have a long working life, they use fully reliable components.

Wide Range of Applications

The X-ray tube supports, with their wide range of movement, are ideal for a large variety of radiographic functions. The Bucky table has a wide range of accessories which are designed to be easily attached (optional). They support the lateral radiographic procedure and compression of the abdomen, expanding the variety of examinations. Tabletop protective mat reduce the burden of patients.

Easy Operation

These systems are designed with the user's needs in mind, and have excellent positioning characteristics. Furthermore, the generators are provided with microprocessor and memory functions. Various radiographic parameters can be registered and then retrieved with a one-touch operation. Simple and easy cassette (or FPD) loading. Just a touch is enough to operate the anatomical positioning functions.

High Image Quality

The Bucky device employs the renowned oscillating system, so clear images are a matter of course. In addition, the generators employ a high-frequency inverter, ensuring a stable, high output and high-quality images.



System variations

Toshiba Radrex could maximize productivity, performance and patient care with the variety of system for optimization of clinical application. All of Radrex system have availability to Digital Radiography system by combining with Toshiba Portable Flat Panel Detector (TFD-2010A).



MRAD-A80S

High Power Full System



MRAD-A32S

Compact System



MRAD-A50S

Standard System



MRAD-A25S

Basic System

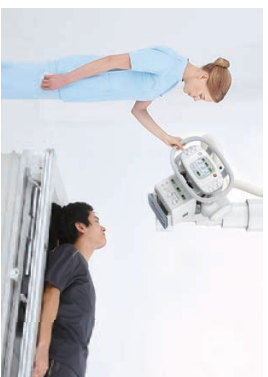




Raising the standard for productivity and performance

Availability to Digital radiography system with cassette size FPD

- Reducing examination time
- Providing optimum image quality
- Enhancing various clinical application



Auto-Tracking (factory option)

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-Collimator (factory option)

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.



Components

X-ray generator



KXO-80S

- 80 kW, 150 kV, 1000 mA
- Color liquid touch panel
- One-touch control
- Max. 672 programs (7 × 24 × 4)
- High frequency new inverter
- Small foot print cabinet
- CR/DR serial communication (option)
- Solidet AEC detector combination (option)



KXO-50SS

- 50 kW, 150 kV, 630 mA
- One-touch control
- Max. 3996 programs
- High frequency new inverter
- Small foot print cabinet
- CR/DR serial communication (option)
- Solidet AEC detector combination (option)



KXO-32S

- 32 kW, 150 kV, 500 mA
- One-touch control
- Max. 140 programs (7 × 5 × 4)
- High frequency new inverter
- Small foot print cabinet
- CR/DR serial communication (option)
- Solidet AEC detector combination (option)



KXO-25SC

- 25 kW, 150 kV, 320 mA
- One-touch control
- Max. 100 programs (4 × 5 × 5)
- High frequency new inverter
- CR/DR serial communication (option)

Ceiling-suspended tube support



DST-2000A

- Column vertical movement: Approx. 170 cm
- Distance from the ceiling mounting surface to the X-ray tube focus: Approx. 85 cm to 255 cm (varies depending on the X-ray tube unit and X-ray beam limiting device used in combination.)
- Locking system: Electromagnetic brake
- Collimator: Auto-Collimation
- X-ray setting can be changed at tube support



DST-1000A

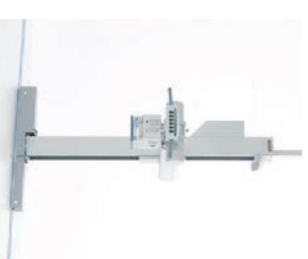
- Column vertical movement: Approx. 170 cm
- Distance from the ceiling mounting surface to the X-ray tube focus: Approx. 85 cm to 255 cm (varies depending on the X-ray tube unit and X-ray beam limiting device used in combination.)
- Locking system: Electromagnetic brake
- Collimator: Manual-Collimation

X-ray tube assembly support unit



DS-PH-1

- Column vertical movement: Approx. 120 cm
- Distance from the ceiling mounting surface to the X-ray tube focus:
 - For the angled type: Approx. 80 cm to 200 cm
 - For the straight type: Approx. 100 cm to 220 cm (varies depending on the X-ray tube unit and X-ray beam limiting device used in combination.)
- Locking system: Electromagnetic brake and mechanical lock
- Collimator: Manual-Collimation



DS-TA-5A

- Floor-to-ceiling type
- Longitudinal movement : 250 cm
- Lateral movement : 40 cm
- Vertical movement : 166 cm
- Locking system : Electromagnetic brake
- Collimator : Manual-Collimation

Components

Bucky table



EBT-100A Elevator-type Bucky table

- Tabletop
- Tabletop size : 82 cm x 230 cm
 - Height of the tabletop : 35 cm to 95 cm
- Floating stroke
- Longitudinal movement : 100 cm
 - Lateral movement : ±12 cm
- Bucky device
- Grid movement : Oscillation : 18 cm x 24 cm to 35 cm x 48 cm
 - Cassette size : (8" x 10" to 14" x 17")
 - Longitudinal movement : 48 cm



FBT-10A Floating-top Bucky table

- Tabletop
- Tabletop size : 82 cm x 210 cm
 - Height of the tabletop : 68 cm
- Floating stroke
- Longitudinal movement : 90 cm
 - Lateral movement : ±12 cm
- Bucky device
- Grid movement : Oscillation : 18 cm x 24 cm to 35 cm x 48 cm
 - Cassette size : (8" x 10" to 14" x 17")
 - Longitudinal movement : 38 cm



DTBT-10A Bucky table

- Tabletop
- Tabletop size : 68.4 cm x 200 cm
 - Height of the tabletop : 60 cm
- Bucky device
- Grid movement : Oscillation : 18 cm x 24 cm to 35 cm x 48 cm
 - Cassette size : (8" x 10" to 14" x 17")
 - Longitudinal movement : 110 cm

Bucky stand



CBT-10A Compact Bucky table

- Tabletop
- Tabletop size : 68.4 cm x 180 cm
 - Height of the tabletop : 55 cm
- Bucky device
- Grid movement : Oscillation : 18 cm x 24 cm to 35 cm x 48 cm
 - Cassette size : (8" x 10" to 14" x 17")
 - Longitudinal movement : 90 cm

X-ray tube assembly

DRX-3724HD

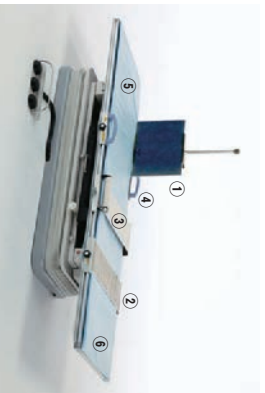
- Focal spot : 0.6 mm/1.2 mm
- Anode heat capacity : 210 kJ (300 KHU)
- Maximum rating : 40 kW/100 kW

DRX-1824B

- Focal spot : 0.6 mm/1.2 mm
- Anode heat capacity : 100 kJ (140 KHU)
- Maximum rating : 17.5 kW/40 kW

DRX-1603B

- Focal spot : 1.0 mm/2.0 mm
- Anode heat capacity : 100 kJ (140 KHU)
- Maximum rating : 22.5 kW/47 kW



Optional items for EBT-100A

- ① Lateral cassette holder
- ② Simple-type compression band
- ③ Ratchet-type compression band
- ④ Handgrip
- ⑤ Tabletop protective mat
- ⑥ CFRP tabletop

- LCB-FB10A
- CB-FB10A
- CB-FB10B
- HG-FB10A
- TPM-FB10B
- MC-FB10B
- CFB10B



Optional items for FBT-10A

- ① Lateral cassette holder
- ② Simple-type compression band
- ③ Ratchet-type compression band
- ④ Handgrip
- ⑤ Tabletop protective mat
- ⑥ CFRP tabletop

- LCB-FB10A
- CB-FB10A
- CB-FB10B
- HG-FB10A
- TPM-FB10A
- MC-FB10A
- CFB10A

BS-02A

Vertical Bucky stand



- Bucky device
- Grid movement : Oscillation : 18 cm x 24 cm to 35 cm x 48 cm
 - Cassette size : (8" x 10" to 14" x 17")
 - Bucky movement : 120 cm