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 upgradeability - by combining with Toshiba Medical Flat Panel Detector (TFD-2020A)

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 Medical 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 Medical Flat Panel Detector (TFD-2020A).
Raising the standard for productivity and performance

Availability to Digital radiography system with cassette size FPD and full size FPD
- Reducing examination time
- Providing optimum image quality with CsI type FPD and Advanced image processor
- 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.

Note: The wireless FPD cannot be marketed in some regions.
Components

X-ray generator

KXO-80SS
80 kW, 150 kV, 1000 mA
- Color liquid touch panel
- One-touch control
- Max. 672 programs (7 x 24 x 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-32SS
32 kW, 150 kV, 500 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-25SS
25 kW, 150 kV, 320 mA
- One-touch control
- Max. 3996 programs
- High frequency new inverter
- CR/DR serial communication (option)

Ceiling-suspended tube support

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

X-ray tube assembly support unit

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
### Components

**Bucky table**

**EBT-100A**
- **Elevator-type Bucky table**
- **Tabletop**
  - Tabletop size: 82 cm × 210 cm
  - Height of the tabletop: 48 cm
- **Floating stroke**
  - Longitudinal movement: 100 cm
  - Lateral movement: ±12 cm
- **Bucky device**
  - Grid movement: Oscillation
  - Cassette size: 18 cm × 24 cm to 35 cm × 48 cm (8” × 10” to 14” × 17”)
  - Longitudinal movement: 48 cm

**FBT-10A**
- **Floating-top Bucky table**
- **Tabletop**
  - Tabletop size: 82 cm × 210 cm
  - Height of the tabletop: 48 cm
- **Floating stroke**
  - Longitudinal movement: 90 cm
  - Lateral movement: ±12 cm
- **Bucky device**
  - Grid movement: Oscillation
  - Cassette size: 18 cm × 24 cm to 35 cm × 48 cm (8” × 10” to 14” × 17”)
  - Longitudinal movement: 38 cm

**Optional items for EBT-100A**
1. Lateral cassette holder LCH-FB10A
2. Simple type compression band CB-FB10A
3. Ratchet type compression band CB-FB10B
4. Handgrip HG-FB10A
5. Tabletop protective mat TPM-FB10B
6. CFRP tabletop CT-FB10B

**Optional items for FBT-10A**
1. Lateral cassette holder LCH-FB10A
2. Simple type compression band CB-FB10A
3. Ratchet type compression band CB-FB10B
4. Handgrip HG-FB10A
5. Tabletop protective mat TPM-FB10A
6. CFRP tabletop CT-FB10B

**Bucky stand**

**BS-02A**
- **Vertical Bucky stand**
- **Bucky device**
  - Grid movement: Oscillation
  - Cassette size: 18 cm × 24 cm to 35 cm × 48 cm (8” × 10” to 14” × 17”)
  - Bucky movement: 120 cm

**X-ray tube assembly**

**DRX-3724HD**
- Focal spot: 0.6 mm/1.2 mm
- Anode heat capacity: 210 kW (300 kW/HU)
- Maximum rating: 40 kW/100 kW

**DRX-1824B**
- Focal spot: 0.6 mm/1.2 mm
- Anode heat capacity: 100 kW (140 kW/HU)
- Maximum rating: 17.5 kW/40 kW

**DRX-1603B**
- Focal spot: 1.0 mm/2.0 mm
- Anode heat capacity: 100 kW (140 kW/HU)
- Maximum rating: 22.5 kW/47 kW