

HELP TEACH STUDENTS PROPER
RADIOGRAPHIC POSITIONING

DXTTR^{III}

DENTAL X-RAY TRAINER



DXTTR III is the advanced dental x-ray trainer developed from the original trainer created under the sponsorship of the Bureau of Radiological Health of the Food and Drug Administration for the purpose of illustrating proper radiographic positioning. The most realistic substitute patient available, it allows unlimited, consistent instruction of all types of intraoral radiography, without concern for patient radiation burden.

- Eliminates patient variables, making it easier to evaluate student technique.
- High repeatability makes possible series of radiographs, varying exposure factors to demonstrate how they influence results. Comparisons can be made of various film placements and projections.
- Plastic skull DXTTRs use a special plastic that emulates the radiographic characteristics of natural materials. Ideal for teaching positioning.
- Human skull DXTTRs, as available, are ideal for teaching positioning and radiographic interpretation. Human skull DXTTRs follow all industry standards. Each head has its own unique characteristics.
- Mechanical operations and components are designed for durability, ease of use and life-like movements, with a full selection of adjustment features.
- An optional telescoping arm with spring-mounted, ball-ended finger securely holds film packets during exposures.

DENTSPLY Rinn also provides a refurbishment service to keep your DXTTR in the best of health.

DENTSPLY
RINN

- 546001** Plastic Skull DXTR III
- 546002** Human Skull DXTR III (when available)
- 547030** Arm and Finger Ball Assembly
- 547050** DXTR Refurbishment
- 007022** Head Strap

Construction

- Standard plastic skull DXTR III is made of a special plastic that emulates the radiographic characteristics of natural materials.
- Human skull DXTRs are filled with tissue-equivalent material for appropriate radio-absorption.
- Teeth are firmly anchored by slightly resilient plastic gums that also reduce chipping.
- All teeth are coated with radiolucent, shock-absorbing material to minimize breakage.
- The outer skin is tough and durable vinyl; the flesh is molded in polyurethane foam directly onto the skull.
- Life-like, pliable tongue is supported on the floor of the mouth by a tissue-equivalent vinyl section, bonded to the base of the mandible.
- Mandibles are articulated mechanically for smooth and durable mouth action. Machined nylon side plates are bonded firmly to the rami.
- The lever-and-ratchet mechanism is hardened steel for wear resistance and strength. The frame is constructed of welded steel tubing. Other parts not subject to high stress are aluminum. All parts are plated or otherwise finished to prevent rust and corrosion.

Adjustment of Head, Arm and Finger

- The head is mounted with a ball-and-socket joint corresponding to the base of the cervical spine, held securely in position by a clamping lever. The central supporting tube rotates forward and back in the frame to assist in positioning, with stops to prevent it from falling forward.
- The optional arm assembly is mounted to the frame by a ball-and-socket joint with its own clamping lever. The arm has a rotating telescoping section, on which the spring-loaded finger, with an additional pivot, is mounted for wrist-like action.

REFURBISHMENT

Refurbishment is recommended every 12 months. Standard refurbishment consists of the following:

- Replace vinyl head skin
- Replace plastic foam flesh (if required)
- Replace molded vinyl tongue
- Replace molded vinyl neck-base
- Replace finger ball and straighten finger (if required)
- Replace head strap

Mechanical damage not listed above will be quoted separately. Broken or missing teeth can be replaced at a nominal cost. There is a 90-day warranty on parts and labor.

Refurbishments should be scheduled by calling Customer Service at 800 323 0970. Illinois and international customers, call 847 742 1115.



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Customer Service: 800 323 0970
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Lever-operated ratchet-and-pawl mechanism opens and closes mouth, and holds it open in any position.

Mandible is articulated mechanically for smooth and durable movement. A life-like tongue enhances realism.

Adjustable nylon mesh strap holds the head firmly to the headrest.

Head assembly mounted for realistic movement and positioning. Clamping lever holds head securely in desired position.

Plastic-coated hooks suspend the trainer from the back of the chair.

Entire assembly pivots.

Optional arm with radiolucent ball-ended finger holds the film packet during exposure. Telescoping section allows adjustment of arm length.