

Phantom for Intraoral Radiography Assessment, Testing & Evaluation

Model 134200



PIRATE Phantom USER GUIDE

CIRS

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MODEL 134200 INCLUDES:

- **HEAD:**

Internal structures include:

skeletal anatomy with cortical and trabecular separation, sinus, teeth with dentine, enamel, root canal and crown, tooth with fracture, tooth with cavity, maxilla, and mandibular nerve.

- **STAND:**

Sturdy double braced, aluminum- alloy tripod with quick connect plate, height adjustable, from 54.6 - 177.8 cm (21.5" - 70")

- **CARRY CASE:**

Head: Soft padded carry case

Tripod: Nylon padded tote

OBJECTIVE

The PIRATE (Phantom for Intraoral Radiography Assessment, Testing & Evaluation) is designed to assist technical and clinical staff in the selection, monitoring, training and verification of scanning parameters common to intraoral radiological imaging procedures and other common dental procedures.

DESCRIPTION OF THE PHANTOM

The phantom is constructed of proprietary tissue-equivalent materials that mimic reference tissues within 1% by linear attenuation for the dental x-ray and other dental imaging procedures.

The PIRATE phantom features detailed 3D anthropomorphic anatomy including bone, sinus, maxilla, mandible, mandibular nerve and teeth. The simulated bones contain both cortical and trabecular separation. The teeth include distinct dentine, enamel, root canal and crown. One tooth includes a fracture and a second tooth includes a cavity.

USE OF THE PHANTOM

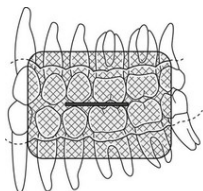
The suggested use is a basic test protocol. The phantom should be scanned using the same x-ray technical factors as would be used on a patient. Each user of the phantom may find additional uses and CIRS urges to share findings with others when possible and appropriate.



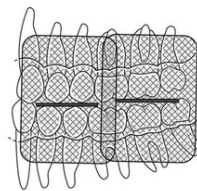
Tooth with a fracture



Tooth with a cavity



Adult Horizontal Bitewing



Adult Vertical Bitewing

The phantom may be used with the included tripod and ball head. Or may be used directly on a tabletop for demonstrations.



The mandible may be used in a full closed position to a full open position and anywhere in between. The phantom jaw will open further than a normal jaw.



TRIPOD ASSEMBLY



Quick connect plate on PIRATE



Quick connect on tripod



Place quick connect on tripod, make sure it is secure prior to release



TRIPOD ASSEMBLY (CONT)



To adjust the positioning of the head, turn lever until head is placed in desired position.

When the phantom is used on the tripod, you will have full rotation ability of the phantom and you may adjust the head angle as needed.



CARE AND HANDLING

The phantom should be stored with the provided foam wedge in place in a cool, dry place when not in use, preferably within its respective case. The phantom may be cleaned with mild soap and water.

Technical questions should be referred to CIRS customer service at (800) 617-1177.



WARRANTY

All standard CIRS products and accessories are warranted by CIRS against defects in material and workmanship for a period as specified below. During the warranty period, the manufacturer will repair or, at its option, replace, at no charge, a product containing such defect provided it is returned, transportation prepaid, to the manufacturer. Products repaired in warranty will be returned transportation prepaid.

There are no warranties, expressed or implied, including without limitation any implied warranty of merchantability or fitness, which extend beyond the description on the face hereof. This expressed warranty excludes coverage of, and does not provide relief for, incidental or consequential damages of any kind or nature, including but not limited to loss of use, loss of sales or inconvenience. The exclusive remedy of the purchaser is limited to repair, recalibration, or replacement of the product at manufacturer's option.

This warranty does not apply if the product, as determined by the manufacturer, is defective because of normal wear, accident, misuse, or modification.

NON-WARRANTY SERVICE

If repairs or replacement not covered by this warranty are required, a repair estimate will be submitted for approval before proceeding with said repair or replacement.

RETURNS

If you are not satisfied with your purchase for any reason, please contact your local distributor prior to returning the product. Visit <https://www.cirsinc.com/distributors/> to find your local distributor. If you purchased your product direct through CIRS, call Customer Service at 800-617-1177, email rma@cirsinc.com, or fax an RMA request form to 757-857-0523. CIRS staff will attempt to remedy the issue via phone or email as soon as possible. If unable to correct the problem, a return material authorization (RMA) number will be issued. Non-standard or "customized" products may not be returned for refund or exchange unless such product is deemed by CIRS not to comply with documented order specifications. You must return the product to CIRS within 30 calendar days of the issuance of the RMA. All returns should be packed in the original cases and or packaging and must include any accessories, manuals and documentation that shipped with the product. The RMA number must be clearly indicated on the outside of each returned package. CIRS recommends that you use a carrier that offers shipment tracking for all returns and insure the full value of your package so that you are completely protected if the shipment is lost or damaged in transit. If you choose not to use a carrier that offers tracking or insure the product, you will be responsible for any loss or damage to the product during shipping. CIRS will not be responsible for lost or damaged return shipments. Return freight and insurance is to be pre-paid.

WITH RMA NUMBER, ITEMS MAY BE RETURNED TO:

CIRS
Receiving
900 Asbury Ave
Norfolk, Virginia, 23513 USA

PRODUCT	WARRANTY PERIOD
Model 134200 - PIRATE Phantom	60 Months

