

Body Part X-Ray Phantoms

Our body part X-ray phantoms allow repeated X-ray imaging of specific body regions. These phantoms include real human bones. They are ideal for schools and education, but also for medical applications or manufacturer equipment testing.

The bones are embedded in tissue equivalent material. Phantoms could be coated with opaque colour to hide the inner structures. All phantoms are hand made and unique. They may differ in size and shape. Due to production technology, there may be discolouration and cracks inside the phantom. This is related to production and represents no lack of quality. Anatomy phantoms are only sold against a proof of medical use.



Dental Anatomy Head Phantom

Art. No. 12701 (transparent)
Art. No. 12701-o (opaque)

The dental anatomy head is specifically prepared to be used for dental applications such as panoramic, cephalometric or dental Cone-Beam CT/D3. Its features include:

- Skull with lower jaw and 5 cervical vertebrae
- Jaw slightly open
- Standard version: opaque (optional in transparent)
- Features 1 tooth repair and 1 inlay (or as per customer requirement)
- M6 screw hole for optional tripod positioning
- Case for transport and storage



Anatomy Head Phantom I

Art. No. 12702 (transparent)
Art. No. 12702-o (opaque)

- Skull with lower jaw and 5 cervical vertebrae
- Connecting jaws
- Standard version: opaque (optional in transparent)
- Case for transport and storage



Anatomy Head Phantom II

Art. No. 12703 (transparent)
Art. No. 12703-o (opaque)

- Skull with lower jaw, no extra vertebrae
- Connecting jaws
- Standard version: opaque (optional in transparent)
- Case for transport and storage



Hand Phantom

Phantom features wrist joint (transparent / opaque)

Foot Phantom

Phantom features ankle joint (transparent / opaque)



Manufactured by QUART GmbH • Distributed by Arplay Medical
All trademarks remain the property of their respective owners. © 2013 Arplay Medical

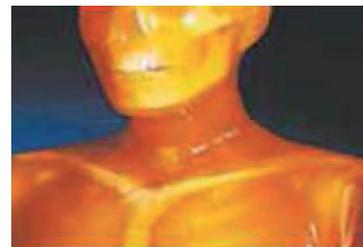
Arm Phantom

Phantom features lower arm and elbow (transparent / opaque)



Knee Phantom

Phantom features thigh, lower leg and kneecap (transparent / opaque)



Spine Phantom

Phantom features 24 vertebrae and sacral bone (transparent / opaque)

Hip Phantom

Phantom features pelvis, 2 lumbar vertebrae and thigh part (transparent / opaque)



CT Torso Phantom

A one-piece anthropomorphic torso phantom with anatomical structures allows various CT approaches including helical scanning. Along with state-of-the-art synthetic bones, brain with cerebral ventricles, eye balls, lung with 3-dimensional pulmonary vessels, trachea, liver with portal and hepatic veins, kidneys, gallbladder, pancreas, spleen, aorta, cava, ureter, urinary bladder, prostate, rectum, and sigmoid colon are embedded. Each individual organ has a particular Hounsfield unit, which corresponds to the human equivalent. The original phantom material with radiation absorption approximate to human tissues, allows scanning in actual clinical settings.



Full Body X-Ray Phantom

This model is unique in the world and provides best opportunities for X-ray training. It is a must-have for all radiological schools. The phantom can be used for positioning practice as well as for general X-ray training. The model contains a real human skeleton and allows taking real X-ray images comparable to a real patient. In addition to the real skeleton, the phantom incorporates reproductions of heart, lungs, larynx and kidneys appearing in the X-ray images. Each model is hand-made and differs in size and design. Phantoms may include pathologies and may also differ in appearance. Life size.



Lung Cancer Screening Phantom

This phantom is an adapted CT phantom developed to optimise radiation dose and other scanning conditions for Lung Cancer Screening CT examinations. Helical CT or MDCT can be tested. The phantom is designed to simulate conditions for the early detection of small lung cancers such as GGA. Quantitative evaluation on radiation dose and density curve of the image can be done simultaneously with a single scan. The model consists of a life-size torso with arms-up position and has the following internal structures:

- bones
- simulated tumors on sections of three lung areas (apical portion, bifurcation of the trachea, base of lungs)
- central dosimeter inserts
- 8-step linearity phantom (8 steps, 30mm diameter)
- embedded density samples