



Erler Zimmer Phantoms

Imaging Solutions' Training and QA Phantoms are designed to help healthcare professionals maintain high-quality imaging standards by providing a realistic and consistent environment for training and quality assurance testing. Our phantoms allow for the regular monitoring and evaluation of imaging equipment to ensure accurate and consistent results.





About Erler Zimmer

Commitment to Quality and Realism

Erler Zimmer sets itself apart in the industry with an unwavering commitment to realism and quality. One of the standout features of Erler Zimmer's offerings is the use of real bone in many of their phantoms. This unique approach ensures that their models provide an exceptional level of detail and accuracy, essential for effective learning and training.

Medical Imaging Phantoms

Erler Zimmer provides an extensive range of advanced medical imaging phantoms, designed to simulate realistic conditions for various imaging modalities:

X-ray Phantoms

These phantoms are crafted with precision to provide accurate representations of human anatomy in X-ray imaging, incorporating real bone for enhanced realism.

CT Phantoms

High-quality phantoms that simulate human tissues and structures, aiding in the training and calibration of CT imaging systems.

MRI Phantoms

Advanced phantoms designed to replicate the properties of human tissues in MRI scans, ensuring accurate and reliable imaging results.



Full Body X-Ray Phantom

This model is unique in the world and provides excellent training opportunities for positioning and alignment techniques in projection radiography. It should be part of the basic equipment of any radiographic school. The phantom contains a real human skeleton as well as outlines of larynx, lung, heart and kidneys (organs will create a shadow on the image), which allows taking real X-ray images like in a patient.

Using a real skeleton provides even smallest guiding structures which is impossible with a plastic skeleton. During assembly of this phantom we pay special attention to the correct size of joint spaces. All joints are moveably mounted allow positioning in all normal x-ray positions (e.g. frog position, pro- and supination of lower arm). The arms can be moved upwards which makes the phantom suitable for use in all kinds of osseous examinations under CT. Each phantom is hand-made one of a kind; it may differ in size and appearance. Depending on the individual phantom it may have some pathologies, outer shape may differ depending on size of the skeleton. The new version was re-designed in co-operation with a well-known German school for radiographers and fits all needs for education in radiography.

This phantom is only sold against proof of medical use. Life size.



Radiographic positioning doll, plastic skeleton

This model offers all features of model 7200 but includes a plastic skeleton and is due to this only suitable for positioning training. Including a transport and storage case.



All Erler-Zimmer
phantoms including
transport cases





X-Ray thorax

Thorax X-ray phantom, consisting of spine (C6 to L3), thoracic cage, shoulder blades and collar bones, embedded in soft materials.

Mounted without metal parts. Organs (lung, heart, kidneys) are present as outlines to create a shadow on the x-ray image. The natural bones used may have, depending on availability, individual pathological changes, minor structural defects or mounting holes.

X-Ray thorax

ERZ-7400



X-Ray Phantom Pelvis, flexible

This flexible X-Ray phantom Pelvis contains real human bones and offers the unique opportunity to take real xray images. This Phantom consist of a complete pelvis including coccyx, two lumbar vertebrae (L4+L5) and femur stumps. The soft material makes this product ideal for palpation. The natural bone used may have, depending on availability, individual pathological changes, minor structural defects or mounting holes. Delivered with strong transport case.

X-Ray Phantom Pelvis, flexible

ERZ-7410



X-ray phantom head

Human skull, safely embedded in plastic for easy use. The jaws are slightly open to allow dental panoramic images of the teeth. The neck includes some cervical vertebrae depending on the ordered type. An embedded tread allows the use with a tripod. The jaw may have dental gaps, dental repairs, broken teeth, replaced teeth or other individual features. For detailed information about the available phantoms please contact our sales team.

X-ray phantom head with cervical vertebrae, transparent ERZ-7300

X-ray phantom head with cervical vertebrae, opaque ERZ-7310

X-ray phantom head, transparent ERZ-7320

X-ray phantom head, opaque ERZ-7330



Tripod for X-Ray Phantom head

Very strong tripod for use with the x-ray phantom head. Foldable but stable, holding the head safely in place. With rotatable head for precise positioning of the phantom in the x-ray machine.

Tripod for X-Ray Phantom head

ERZ-7350

X-ray Part Phantoms

Our X-Ray part phantoms give the unique opportunity to take x-ray images of single body parts again and again. The Phantoms include real human bones and allow to take real x-ray images. The models are perfect for schools and education, but also for medical technicians since the same bones can be x-rayed again and again in different settings without the danger of harming a patient.

The bones are embedded in transparent plastic. If requested the phantoms can be coated with opaque color to hide the inner structures. All phantoms are handmade and unique. They may differ in size and shape. Due to production technology there may be discoloring and cracks inside the phantom. This is related to production and is no lack of quality. These phantoms are only sold against a proof of medical use.



X-ray Phantom hand

Hand with wrist.

Transparent	ERZ-7210
Opaque	ERZ-7215

X-ray Phantom foot

Foot Skeleton with start of lower leg.

Transparent	ERZ-7230
Opaque	ERZ-7235



X-ray Phantom knee

Part of upper- and lower leg and patella.

Transparent	ERZ-7250
Opaque	ERZ-7255

X-ray Phantom lower arm

Hand with forearm and elbow.

Transparent	ERZ-7220
Opaque	ERZ-7225



X-ray Phantom elbow

Part of upper and lower arm.

Transparent	ERZ-7260
Opaque	ERZ-7265

X-ray Phantom shoulder

Humerus with shoulder girdle.

Transparent	ERZ-7340
Opaque	ERZ-7345



Head CTA-Phantom

The phantom provides a highly realistic simulation of a head and neck CT angiography (with arterial contrast medium enhancement) of a patient with an arteriovenous malformation on the right side. The phantom comes at the original patient size and includes the cervical spine until the baseplate of the fifth cervical vertebra.

Head CTA-Phantom

ERZ-NLP1000

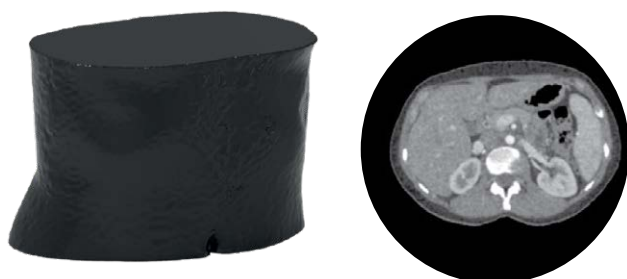


Hand-Phantom

The hand phantom provides an extremely realistic simulation of a hand. Pathologies (e.g. fractures, calcifications, bones and soft tissue tumors) can be integrated on request.

Hand-Phantom

ERZ-NLP1300

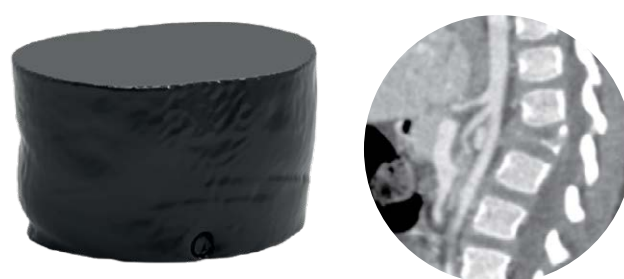


Abdomen-Phantom

The phantom provides a highly realistic simulation of a contrast medium enhanced abdomen (late arterial phase) of a patient. The phantom covers the abdomen from the tenth thoracic to the fourth lumbar vertebra. The liver and both kidneys are fully included.

Abdomen-Phantom

ERZ-NLP1100



Child Abdomen Phantom with a Vertebral Fracture

The phantom provides a highly realistic simulation of a contrast medium enhanced abdomen (portal venous phase) of a child with a vertebra plana (first lumbar vertebra). The phantom covers the abdomen from the tenth thoracic to the baseplate of the fourth lumbar vertebra. The liver and both kidneys are fully included.

Child Abdomen Phantom with a Vertebral Fracture ERZ-NLP1110

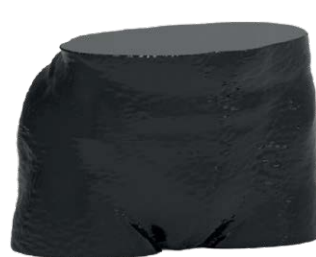


Pelvis Phantom with Femoral Neck Fracture

The phantom provides a realistic simulation of a male pelvis without contrast medium enhancement and with a slightly dislocated femoral neck fracture on the left side. The phantom includes the entire pelvis and the fifth lumbar vertebra.

Pelvis Phantom with Femoral Neck Fracture

ERZ-NLP1200



Pelvis Phantom with Coxarthrosis

The phantom provides a realistic simulation of a female pelvis without contrast medium enhancement and with advanced hip osteoarthritis on the right side. The phantom includes the entire pelvis and the fifth lumbar vertebra.

Pelvis Phantom with Coxarthrosis

ERZ-NLP1210

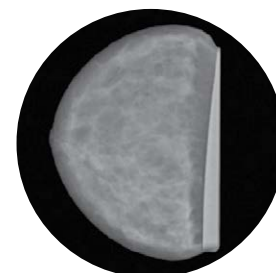


Foot-Phantom

The foot phantom provides an extremely realistic simulation of a foot. Pathologies (e.g. fractures, calcifications, bones and soft tissue tumors) can be integrated on request.

Foot-Phantom

ERZ-NLP1310



Breast Phantom for Mammography and Breast Tomosynthesis

Breast phantom with adipose and glandular tissue. This breast phantom was designed to simulate breast imaging in mammography and breast tomosynthesis. It represents a compressed breast of 4 cm thickness that can be placed under the compression paddle. This phantom provides a realistic simulation of breast imaging. It was developed for testing and optimizing dose and image quality and for training of medical and technical staff. The phantom is manufactured from virtual data containing adipose and glandular tissue. The models are handmade unique piece, which can differ slightly in size and design. The phantom can be provided as one-piece anthropomorphic phantom or in a sectional design. Dosimeter openings and pathologic features can be included upon request.

Breast Phantom for Mammography
and Breast Tomosynthesis

ERZ-NLP1400



Explore Our Range

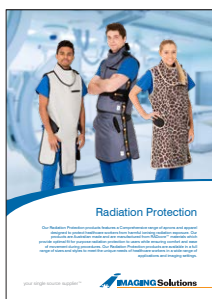
At Imaging Solutions, we take pride in offering an extensive and comprehensive range of products designed to cater to the diverse needs of healthcare facilities across the globe. Our commitment to providing top-quality equipment and technology solutions is at the core of our Preferred Supplier Agreement. This ensures that our customers receive unparalleled access to the best in class products, while benefiting from the tangible value we deliver through managing and containing operational costs. With a broad spectrum of offerings, our Single Source Supply agreements are the ideal solution for meeting your facility's specific needs.

As your trusted partner, Imaging Solutions is dedicated to providing a seamless and integrated experience, allowing you to focus on delivering exceptional patient care. With our Preferred Supplier Agreement, you can have confidence that you are investing in the most advanced and reliable products in the industry, all while enjoying the cost-saving benefits that our Single Source Supply agreements provide. Explore Our Range and discover the Imaging Solutions difference.

Your Single Source Supplier™

Established initially as a small medical imaging hardcopy film and consumables distributor, specialising in analogue based imaging technology, the company very quickly identified the need for a reliable supply source of high quality imaging accessories. As a result the business targeted a small niche of premium suppliers of imaging accessories and over a short space of time acquired distribution access these to develop an initial foundation for today's expansive and comprehensive accessories portfolio. These industry wide market leading brands converge together to develop a comprehensive product portfolio offering the company markets today.

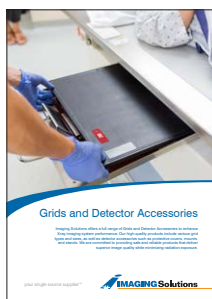
Effectively on completion of our initial growth phase, in building the accessories range offering, Imaging Solution set about the task of identifying the worlds market leading brand, in every functional specialisation existing in the imaging market.



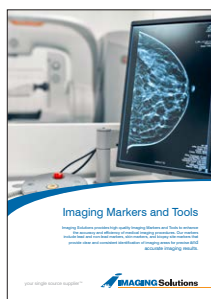
Radiation Protection



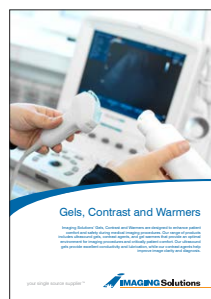
MRI Equipment and Accessories



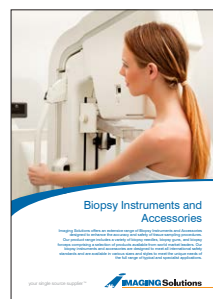
Grids and Detector Accessories



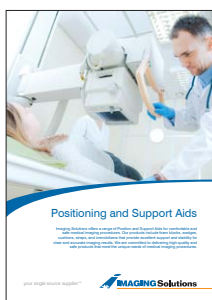
Imaging Markers and Tools



Gels, Contrast and Warmers



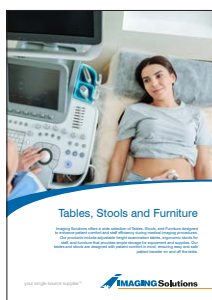
Biopsy Instruments and Accessories



Positioning and Support Aids



Patient Transport



Tables, Stools and Furniture



Trolleys, Stands, Carts and Storage



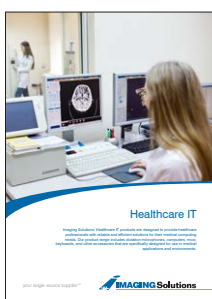
Phantoms



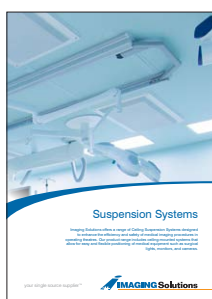
Data Management



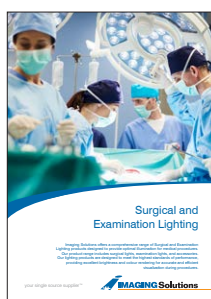
Display Systems



Healthcare IT



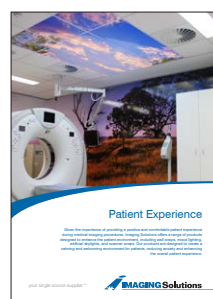
Suspension Systems



Surgical and Examination Lighting



Design and Construction



Patient Experience

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