

PH-2

Whole Body Phantom "PBU-50"



PH-2B

CT whole Body Phantom "PBU-60"



An essential asset for every radiography program.

Whole Body Phantom PBU-50 and CT Whole Body Phantom PBU-60 are full size anthropomorphic phantoms with movable and detachable joints for positioning. Each phantom can be separated into 10 individual parts, allowing a wider application in training and research. Neither phantom has metal parts or liquid structure. More than 270 models used in over 27 countries.



PBU-60 has full internal organs with proper HU numbers.



PBU-50 is ideal patient for radiographer student with close-to-human absorption rate and articulation.



An adjustable head supporter comes with the set, facilitating various head position setting.

PBU-50/PBU-60

Main joints have close-to human articulation, allowing various positioning for training. Shoulder joint system to take arm-up position.



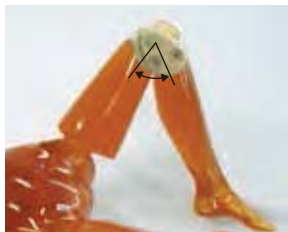
Shoulders: rotate through a full 360 degrees in the sagittal plane, approx. 180 degrees to side-ways.



Hip joints: rotate forward up to approx. 90 degrees, then abduct up to 45 degrees each.



Elbows: bend up to approx. 90 degrees.

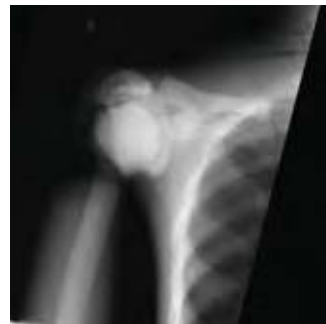
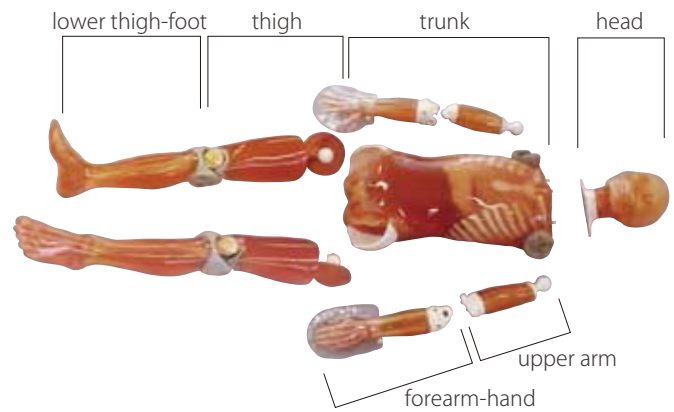


Knees: bend up to approx. 90 degrees.



Frog leg position

The phantom can be disassembled into 10 parts.



PBU-60

Full internal organs for CT scanning with appropriate HU numbers.



3D reconstruction of CT data

PBU-50/PBU-60 Anatomies

Bony structure	PBU-50	PBU-60
Synthetic skull	○	○
Cervical vertebrae	○	○
Vertebrae	○	○
Clavicles	○	○
Ribs	○	○
Sternum	○	○
Scapula	○	○
Coxal bones	○	○
Femurs	○	○

Internal organs	PBU-50	PBU-60	HU number at 80KeV
Brain		○	
Cerebrum		○	40
Mesencephalon		○	40
Cerebellum		○	40
Cerebral ventricles		○	10
Eye balls		○	20
Arteries with contrast medium (left half only)		○	250
Lungs	○	○	-1000
Pulmonary vessels	○	○	8
Trachea		○	trachea wall:8 / inside: -1000
Heart	○	○	PBU-50:8 / PBU-60:40
Liver	○	○	70
Portal and hepatic veins		○	40
Pancreas		○	30
Kidneys	○	○	30
Gallbladder		○	20
Spleen		○	50
Seminal vesicle		○	25
Aorta		○	40
Cava		○	70
Ureter		○	ureteral wall:30 / inside:10
Urinary bladder		○	10
Prostate		○	50
Rectum		○	rectum wall: 70 / inside: -800
Sigmoid Colon		○	colon wall: 70 / inside: -800

At university of Sydney PBU-60 is used in distance learning.




All parts for PBU-50/60 can be ordered and used individually.

Head with supporter	
	<p>PH-2-1 Head for PBU-50 Synthetic Skull and CS</p>
	<p>PH-2B-1 Head for PBU-60 Synthetic Skull and CS Brain, Eye balls Arteries in the with Contrast Medium (left side only)</p>













Body plates to simulate a body of BMI 30
The body plate provides the phantom with a variety of body shapes.

Trunk	
	<p>PH-2-2 Trunk for PBU-50 Bones, Liver, Lungs with Pulmonary Vessels</p>
	<p>PH-2B-2 Trunk for PBU-60 Bones, Liver, Lungs with Pulmonary Vessels, Trachea, Abdominal Organs</p>

*for details of the embedded anatomy, please see the lists on the left.

Common parts for PH-2 and PH-2B

Upper Arm	Forearm-hand
<p>PH-2B-3</p> <p>Left </p> <p>Right </p>	<p>PH-2B-4</p> <p>Left: Closed fingers </p> <p>Right: Open fingers </p>
Thigh	Lower thigh-foot
<p>PH-2B-5</p> <p>Left </p> <p>Right </p>	<p>PH-2B-6</p> <p>Left patella  Left: Plantarflexion </p> <p>Right patella  Right: Dorsiflexion </p>

Specifications

Set Includes:
 1 whole body phantom (separable into 10 parts)
 *bones and internal organs listed on the left page are embedded.
 1 head supporter
 1 flat head screwdriver
 1 set of sample X-ray images

phantom height:
 approx. 165 cm
 approx. 65 inch

phantom weight:
 approx. 50 kg
 approx. 110 lb.

packing size:
 approx. 85 x 60 x 44cm x 2 boxes
 approx. 33.5 x 24 x 17.3inch x 2 boxes

packing weight:
 approx. 80 kg
 approx. 176 lb.

Optional Parts :
 41363-010
 2 carrying cases

