

VISION

THE LEEDS TEST OBJECTS
NEWSLETTER

March 2014
Vol. 8



Our VISION for Leeds Test Objects

Welcome to the March 2014 edition of Vision. As we settle into another busy year, we have many exciting developments to tell you about in this issue of our newsletter. We hope you enjoy reading our news and latest developments.

Adrian Walker MSc

Director

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AutoPIA discount increased

Previously AutoPIA was discounted at 15%, but will now be brought in-line with standard discount!

2014 Price List Coming Soon

Very soon we will be sending emails out with our 2014 price list attached. We hope this will be another successful year for everyone. (see page 2)

Come see us at

ECR 2014
Vienna, Austria
6th - 10th March



Hall C
Booth 313

TEAM NEWS

A New Addition

In October 2013 Archie joined LTO's expanding team, and has already made great progress within the production team. We wish him the very best of luck in this role!



ARCHIE ERSKINE
Test Object Technician



Website Updates and Changes

We have taken into account usability and have added a new **search box** at the top of our site (next to our translation feature). This should help new and existing users find what they are looking for much quicker.

Of course our Distributors' Area is also being continually updated with spec sheets too as our product range continues to grow.

2014 Price List

Regrettably, due to the increase in the cost of raw materials our prices will be increasing in 2014. We have endeavoured to absorb as much of the cost as possible and so some of our products have seen little or no increase.

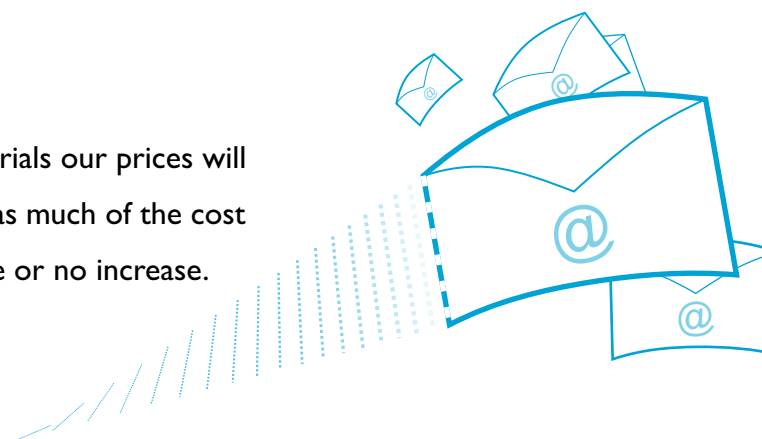
Our price list will be published during March 2014.

FOCUS ON...



Raysafe India have gone to great efforts to secure orders for several of our new TO CTIQ phantoms recently.

Well done for all the hard work, and best of luck to all our distributors in the coming months!

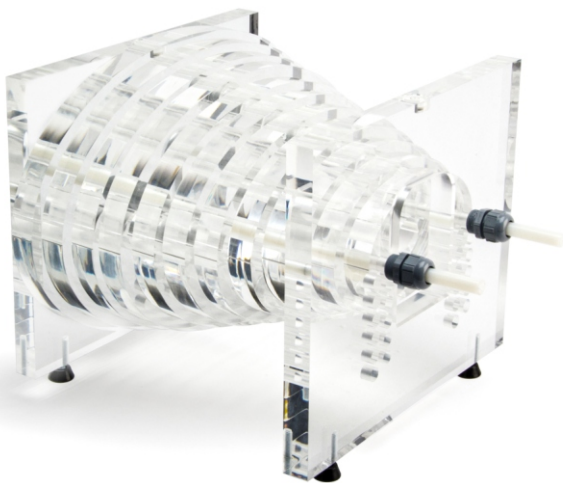
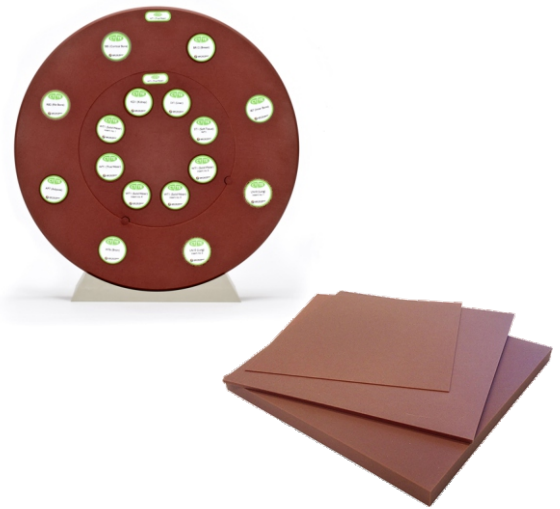


NEW PRODUCTS

Tissue Equivalents

As well as our newly released CT TE phantom, we are able to supply a range of tissue equivalent materials at bespoke sizes and designs. These are suitable for both kV and MV energies.

Please visit our website for a full list of the materials available.



CT AEC

A stepped conical phantom to enable constancy testing for CT Automatic Exposure Control (AEC).

This phantom is modular with SedentexCT IQ inserts, allowing for simultaneous image QA.

TO CTIQ

The TO CTIQ Image quality phantom is designed for use with CT (Computed Tomography) units. TO CTIQ comprises a PMMA cylinder with recesses to house test inserts (SedentexCT inserts) as well as perforated PMMA layers to allow uniformity and resolution tests.

This phantom is designed ideally for use with TO CTDI.



NEW PRODUCTS

GAMMA FLOOD

A 10mm (+/- 1%) flood filled phantom for QA testing of Gamma cameras. This phantom aids in QA of Gamma cameras by testing uniformity of response over the entire detector area.

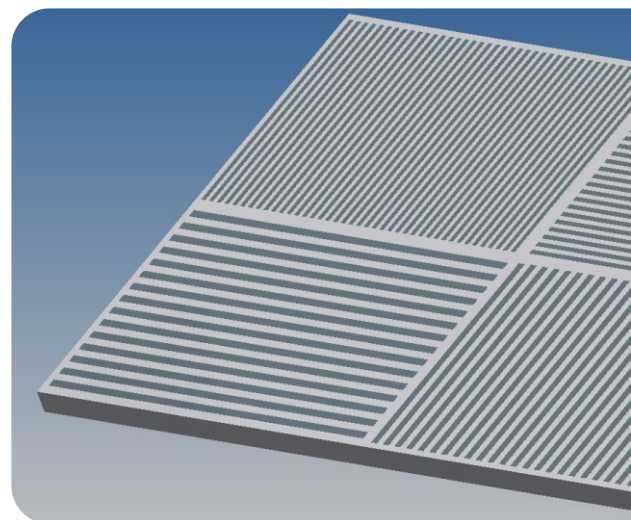


GAMMA DISTORTION

A sheet of PMMA approximately 50cm by 40cm and 5mm thick. A grid of 24 holes in the perspex, filled with a source material, aids in testing of geometric distortion.

GAMMA RESOLUTION

A large-format line-pair resolution test phantom for Gamma cameras.



NEW PRODUCTS

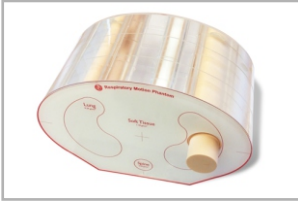
PIXMAM 3D

PIXMAM 3D comprises a PMMA stack with suspended Aluminium discs and spheres for QA testing of breast tomosynthesis systems.

Meets the draft Euref protocol

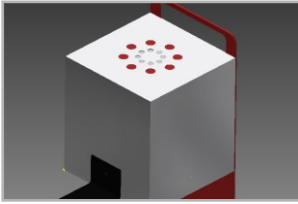


COMING SOON



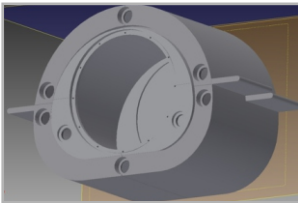
4DCT Respiratory Motion Phantom

A phantom to replicate the respiratory motion of tumours within the lung, for use in CT treatment planning.



CDRH

A general radiography phantom based on the CDRH protocol.



PET

Phantom set designed for acceptance testing of PET scanners, according to standards: IEC 61675-1 and NEMA NU-2.



MagIQ Extremity

A miniaturised version of the MagIQ phantom, suitable for use with small FOV extremity scanners.



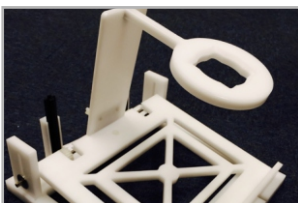
DSA Phantom

Digital Subtraction Angiography phantom, based on AAPM report 15. Tests contrast, spatial resolution and subtraction effectiveness.



NEMA XR2I

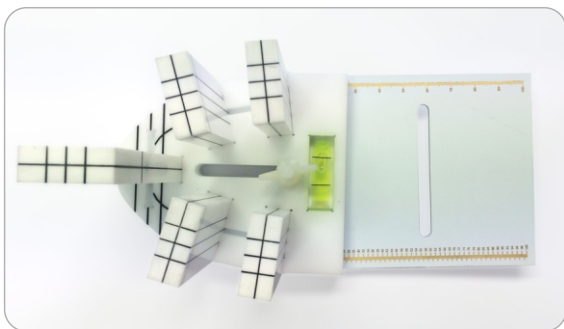
A fluoroscopy phantom based on the NEMA XR2I standard.



TO FSJ Mammo II

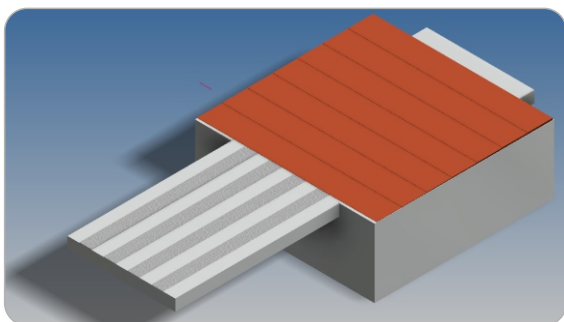
A focal spot jig for conventional and digital mammography systems.

FUTURE PRODUCTS



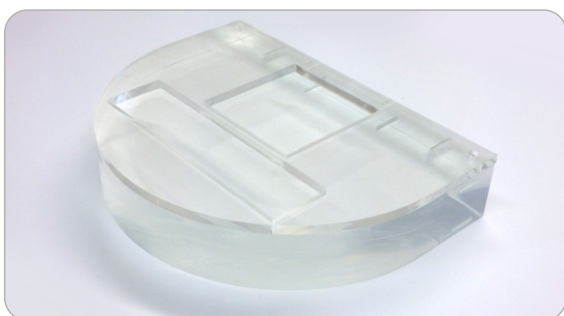
TO PAN IQ -

A phantom for dental OPG systems. Allows for testing of patient positioning and, therefore, reproducible positioning for image QA.



DSA 54 -

Digital Subtraction Angiography phantom meeting DIN 6868-54 & IEC 61223-3-3.



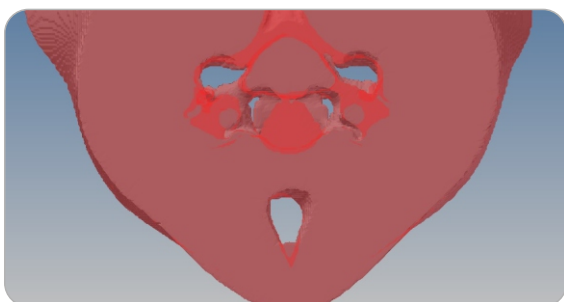
PASMAM -

Mammography phantom meeting PAS 1054



FLOW PHANTOM -

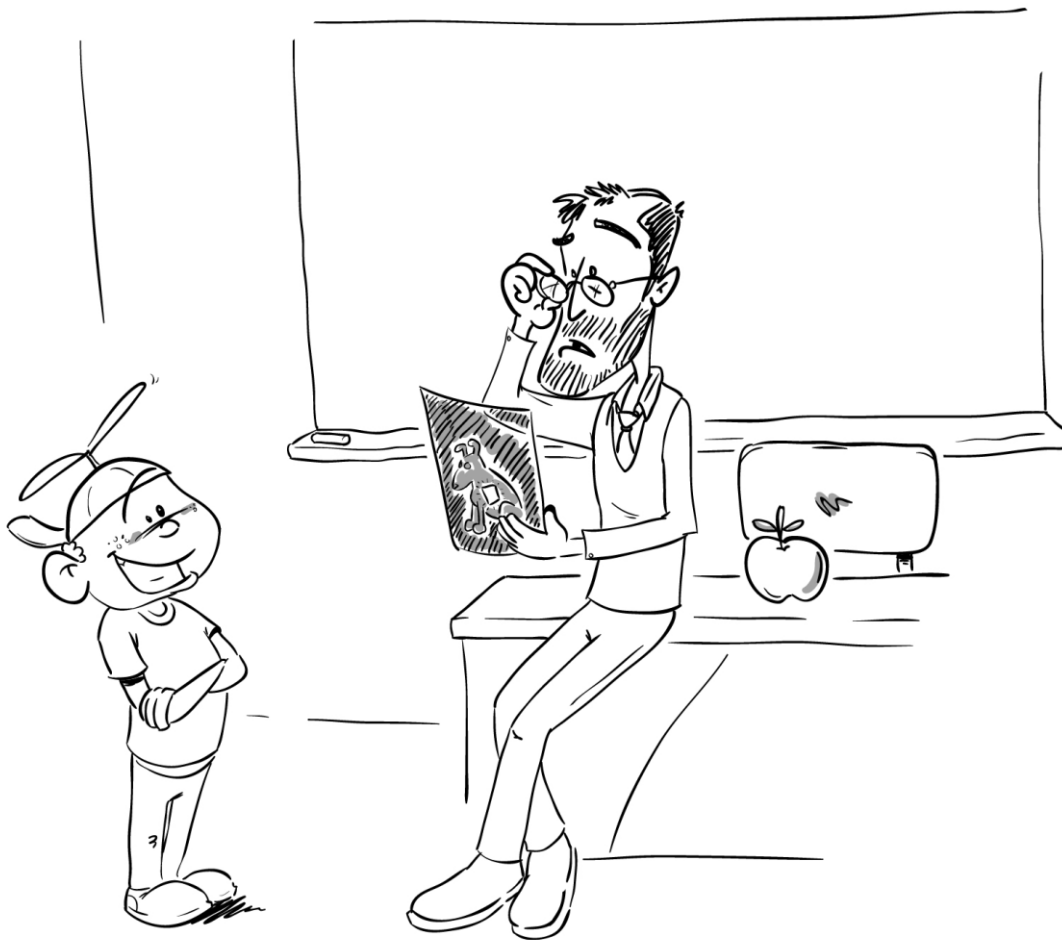
A flow phantom for use with various modalities. Mimics the flow of fluids in the body.



Anthropomorphic -

Anthropomorphic tissue equivalent phantoms.

DRAWING CONCLUSIONS...



“Hmm.. OK Timmy, I can see that your dog **has actually** eaten your homework”