

VISION

THE LEEDS TEST OBJECTS
NEWSLETTER

AUGUST 2013
Vol. 7



Our VISION for Leeds Test Objects

Welcome to the August 2013 edition of Vision. The last six months have been incredibly busy, with many exciting developments which will feature in this issue of our newsletter. We hope you enjoy reading our news and latest developments.

Adrian Walker MSc

Director

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NEW Software!
We now have software for:
DMAM2, DMAM2 Gold
TORMAM

LTO Gains ISO 13485:2003

In June 2013 we gained the ISO 13485 standard for the Manufacture of Quality Control Instrumentation for Medical Imaging Applications.



Come see us at **ICMP 2013**
Brighton, UK
1st - 4th SEPT. 2013



Stand 32

TEAM NEWS

Congratulations

In April 2013 Nicola got engaged to be married. As she will tell you, it was a long time coming, but well worth the wait we are sure!

Best wishes from us all at Leeds Test Objects for a very happy future.

NICOLA CUNNINGHAM
Test Object Technician



Website Updates and Changes

Following a very successful Distributor Meeting in July, all presentation files are now available for download from the Distributors' Area of our website. Among these is a guest presentation from Andrea Ballaminut of Cyberqual about their AutoPIA software.

We have also included a new translation option on the top right-hand-side of our homepage, which enables translation into 60 languages!

UPDATED Product Brochures

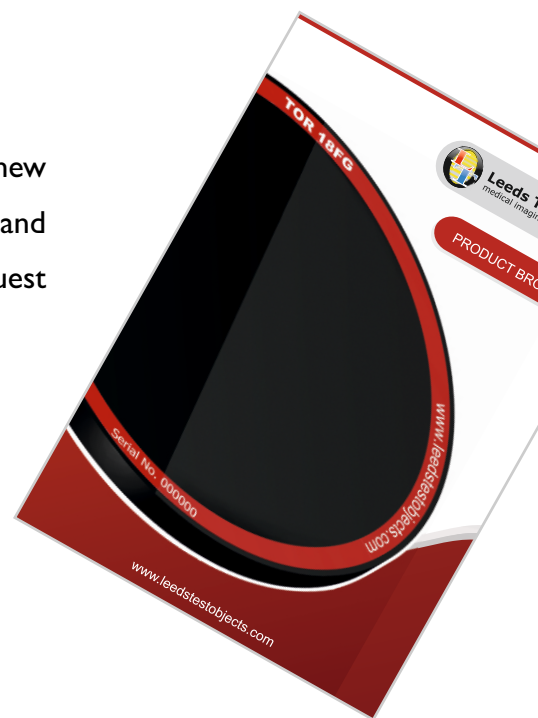
We have updated and refreshed our product brochure to include some new products. These brochures have proven to be very popular at exhibitions, and we believe they are a useful quick guide for distributors so feel free to request some from us - we only ask you to cover shipping costs.

FOCUS ON...



MRA Industry Electronic Equipment Ltd., our distributor in Brazil, secured an order for several TOR 18FGs and AutoPIA software earlier this year

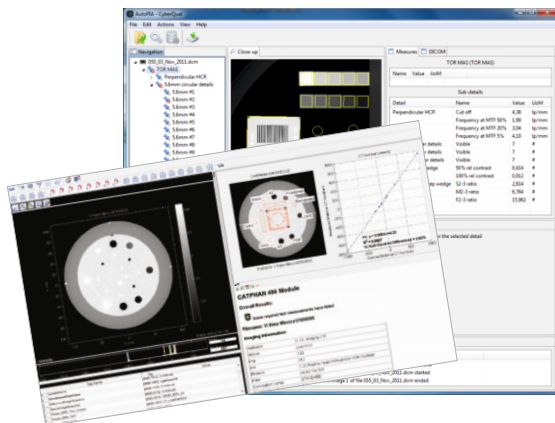
Well done for all the hard work, let's hope this is just the beginning!



NEW PRODUCTS

CT TE

Tissue Equivalence Phantom consisting of a water equivalent nested head and body phantom, each with 8 holes to house interchangeable inserts of different tissue equivalent materials.



AutoPIA SOFTWARE

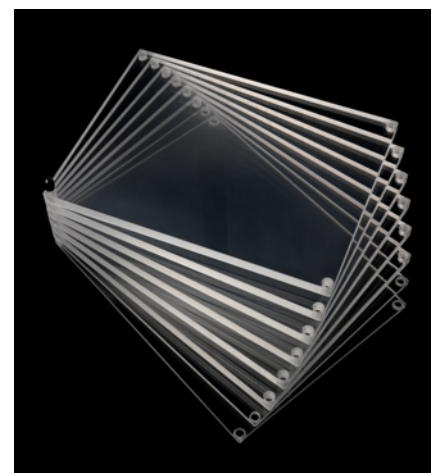
Software for automatic analysis of test images of phantoms used to evaluate image quality.

New modules are now available for TORMAM, DMAM2, DMAM2 Gold, PIXMAM (320x240 and 250D).

TO AEC

A stack of PMMA plates with a dimensional tolerance of nominal $\pm 10\%$, which allow the user to check the consistency, repeatability and reproducibility of AEC system function.

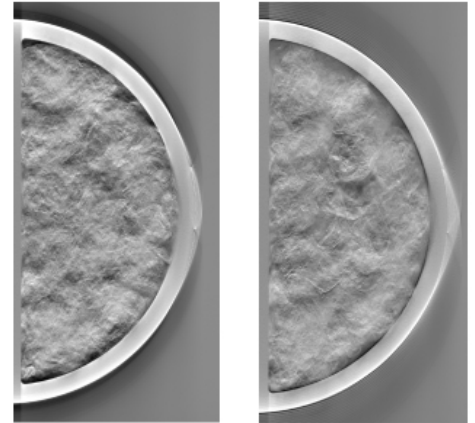
TO AEC meets the routine testing requirements of IPEM Report 34 part IV and IPEM Report 91.



NEW PRODUCTS

VOXMAM

A breast tissue simulating test object designed to be used to compare image quality between different exposure parameters within a single system or across different breast tomosynthesis systems.



DMAM2 GOLD

A variant of the gold contrast detail phantom from DMAM-2.

78 threshold contrast details in 6 sizes, with diameters ranging from 0.1mm to 2.0mm, contrast range 0.489% to 27.56%.



TO MTF

MTF edge test device comprising of a 1mm thick tungsten plate (50mm diameter), Tungsten purity of 90%+, Edge accuracy of 5µm and a casing for repeatable angular adjustment.

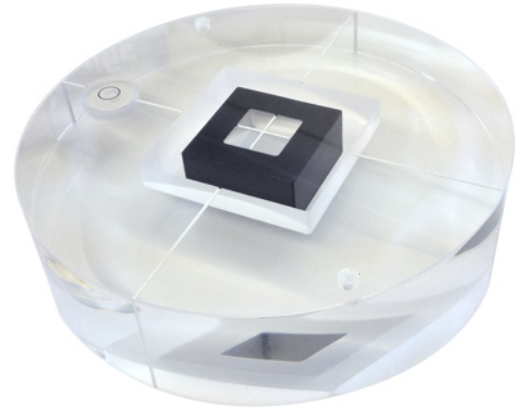


NEW PRODUCTS

CBCT-161

A routine phantom for dental CBCT based on the DIN 6868-161 protocol.

CBCT-161 comprises a 160mm diameter PMMA cylinder (40mm long), spirit level and pigment-filled centre markings, tripod, soft tissue equivalent (PMMA), bone equivalent (PVC) and an air gap.

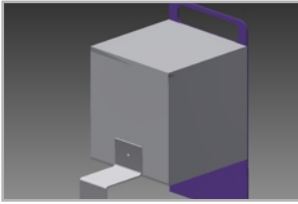


COMING SOON



CT IQ

CTIQ supplements your CTDI phantom to perform tests on CT image quality.



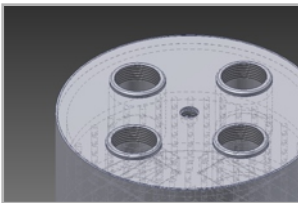
CDRH

A general radiography phantom based on the CDRH protocol.



CT AEC

A stepped conical phantom to provide a test for CT automatic exposure control (AEC). Modular with SedentexCT IQ inserts to allow simultaneous image QA.



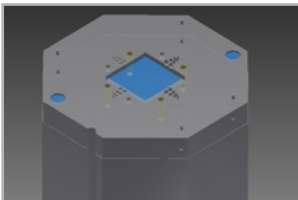
MagIQ Extremity

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



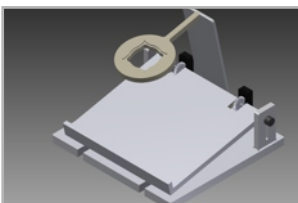
DSA Phantom

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



NEMA XR2I

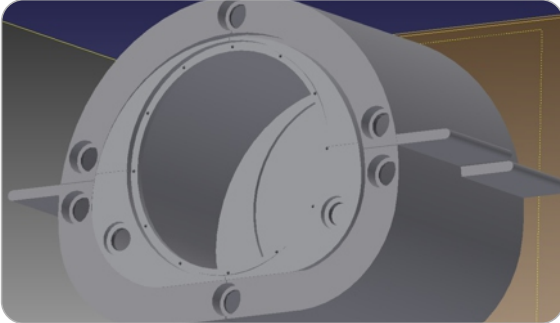
A fluoroscopy phantom based on the NEMA XR2I standard.



TO FSJ Mammo II

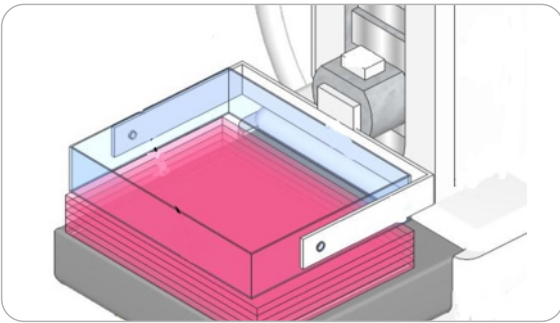
A focal spot jig for conventional and digital mammography systems.

FUTURE PRODUCTS



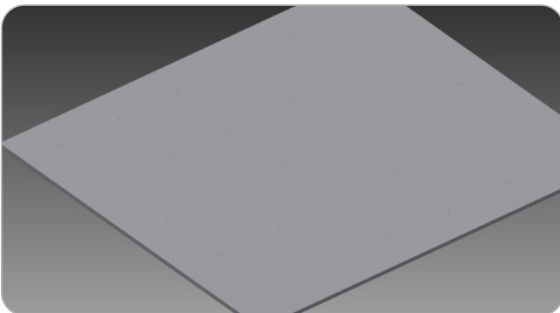
PET -

An image quality phantom for PET imaging. Meets NEMA standards, but with added features and specification.



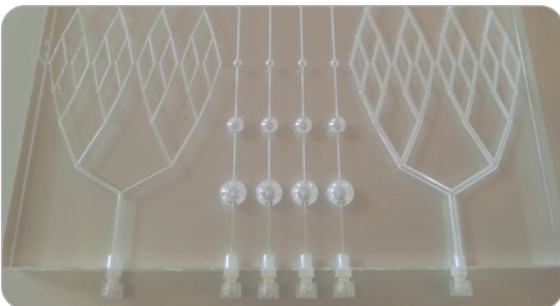
TOMOSYNTHESIS -

A set of phantoms for quality assurance of breast tomosynthesis systems.



GAMMA CAMERA -

A Flood, spatial resolution and distortion phantoms for quality assurance of Gamma cameras.



FLOW PHANTOM -

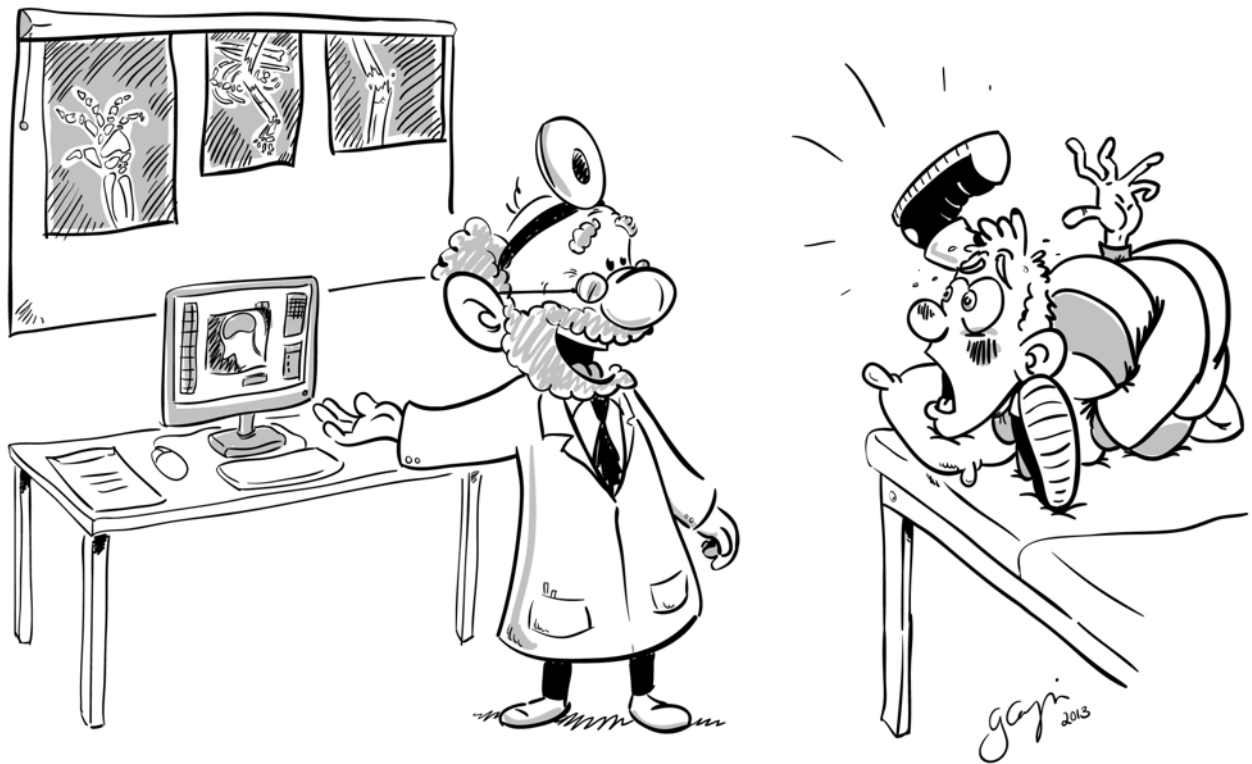
A flow phantom for use with various modalities. Mimics the flow of fluids in the body.

IMAGE
COMING
SOON!

MOTION PHANTOM -

A phantom to replicate the respiratory motion of a patient.

DRAWING CONCLUSIONS...



“Well, it’s nothing Photoshop couldn’t fix!”