

VISION

The LEEDS TEST OBJECTS
Newsletter

February 2015
Vol. 10



Our VISION for Leeds Test Objects

Welcome to the February 2015 edition of Vision. 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



2015 Pricelist Released

In January we released our price lists for 2015, for both phantoms and test patterns, if you have not received your copy please contact us.

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See us

ECR 2015
Vienna, Austria
5th - 8th March 2015



BOOTH 337
EXPO C

TEAM NEWS

In late 2014, Archie successfully passed a level 1 CAD course and will be assisting with production drawings due to further demands on our R&D efforts.



60 Years of Phantoms

Believe it or not, the first test objects began manufacture in 1955. We are proud that 60 years later our range of phantoms continues to expand; we recently added several products to our Nuclear Medicine range, and look to release Ultrasound and various other phantoms to our range soon.

Welcome to the Family

We would like to welcome some new distributors to our family:

- **RADSA**, Mexico
- **Narovision**, Taiwan
- **MTC Equipment**, Vietnam



FOCUS ON...



PT Quantum, have worked hard to ensure LTO products are at the heart of local protocols in Indonesia, and in the process secured some good orders in 2014.

NEW PRODUCTS

PET IQ

A realistic anthropomorphic PMMA vessel, which simulates the trunk of the human body, and complies with standards **NEMA-NU2 (2007)** and **IEC 61675-1 (2008)** for quality control of image quality in PET.



PASMAM

This phantom is developed according to the German **PAS 1054** guidelines especially developed for Digital Mammography. Meets the requirements of standard **DIN 6868-162**.



TO CTDI Hanger

An Aluminium hanger designed to attach to one side of the TO CTDI case and used to suspend the phantom over the end of the patient couch.

This accessory requires additional holes in the TO CTDI phantom, which can be retrofitted to existing phantoms.



NEW PRODUCTS Contd.

CT AEC inserts

A set of 33 inserts made from PTFE, LDPE and Delrin (11 of each), which allow the user to check the linearity of CT numbers.



CEDM

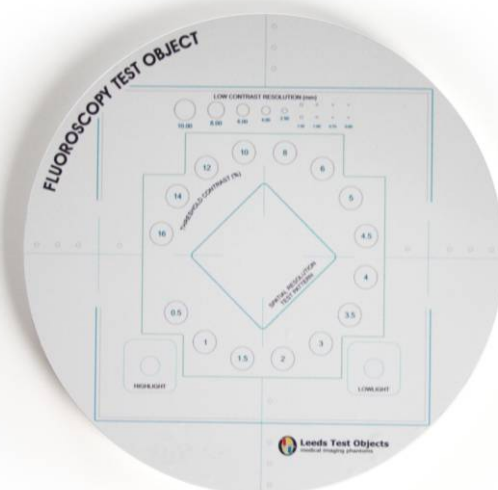
A digital mammography phantom designed for quality control of contrast enhanced imaging techniques.

The voids in the phantom can be filled with blood mimicking fluid (Leeds BMF) or saline solution mixed with contrast agent.



Westmead Phantom

A routine phantom to check the imaging performance of fluoroscopy and fluorography systems, designed to meet the Australian Westmead specification.



NEW PRODUCTS Contd.

CoreView

A set of phantoms specifically designed for use in determining the image quality (and constancy testing thereafter) of the Faxitron CoreVision specimen imaging system.



Leeds Test Objects at RSNA 2014

Towards the end of last year our US distributor Radcal exhibited a range of Leeds Test Objects phantoms on their impressive stand at the RSNA 2014 exhibition in Chicago, generating great interest.

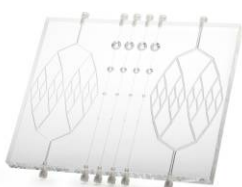


COMING SOON



Quattro - 4DCT Respiratory Motion Phantom

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



LTOflow

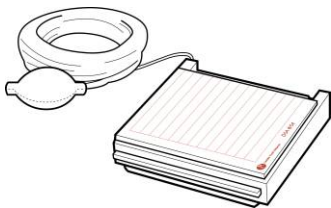
A programmable phantom designed to replicate the flow of blood in vessels at different flow rates.



PET IQ Manchester Extended Set

A set of additional parts for the PET IQ phantom, designed to simulate larger patients.

COMING SOON - Contd.



DSA 8/54

Phantom set designed for acceptance testing of subtraction fluoroscopy scanners, according to standards: DIN6868-8 and DIN6868-54.



CBCT-I6I Commissioning

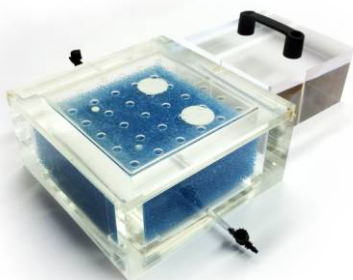
Additional PMMA sections for our CBCT-I6I phantom to allow acceptance testing.

FUTURE PRODUCTS

NO IMAGE
AVAILABLE

Verto (Dynamic Line Phantom)

A motion phantom for the production of various radiation line patterns for use with large rectangular field gamma cameras.



VQ Spect

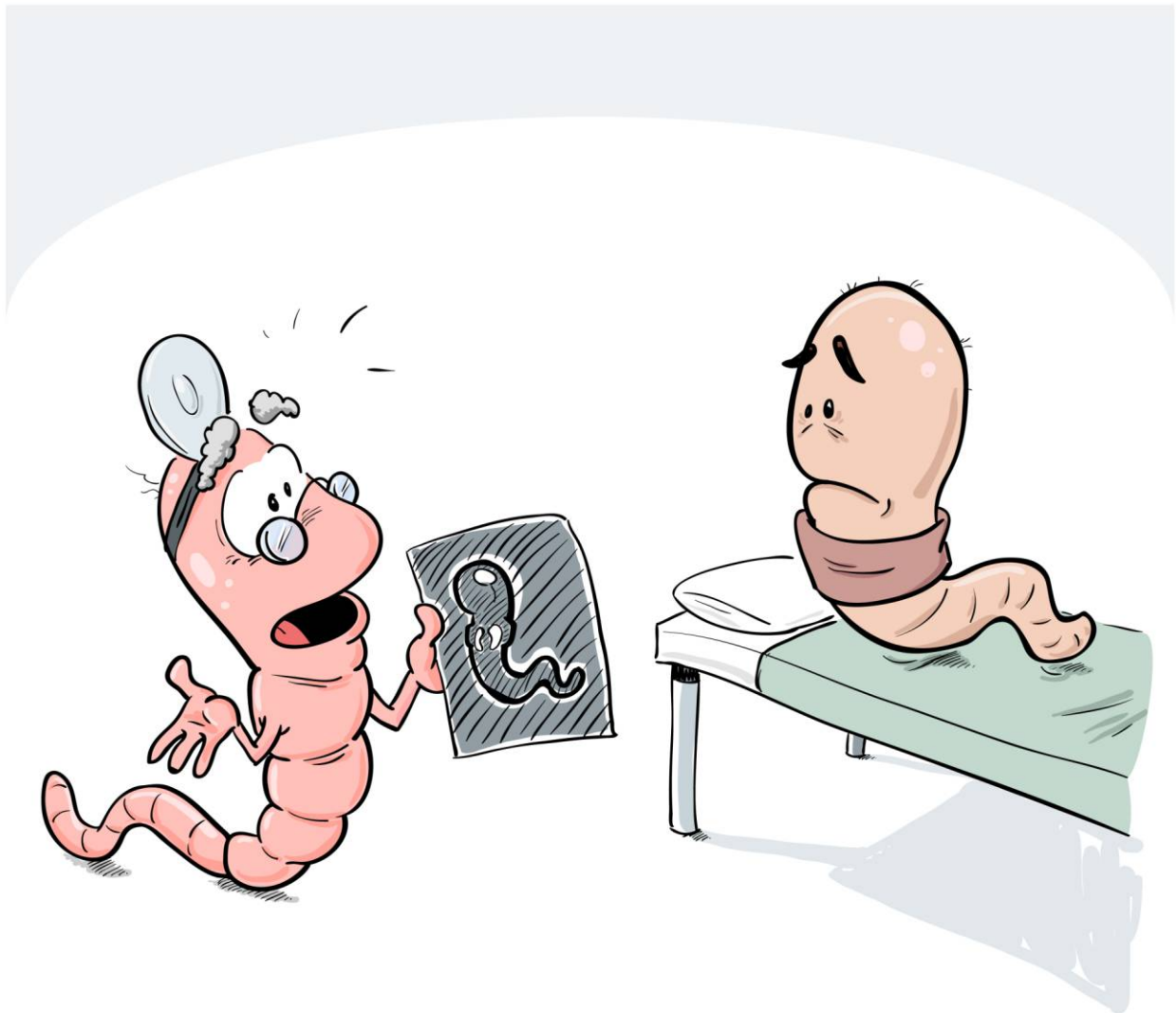
A gamma camera phantom for the QA of ventilation-perfusion imaging.



MagIQ Extremity

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

DRAWING CONCLUSIONS...



"I'm afraid it seems your wife may be right about you being a **spineless worm...**"