

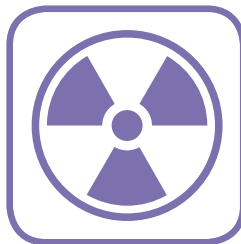
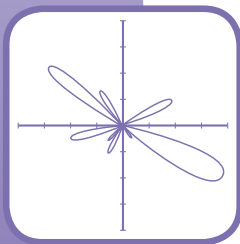
LABQUIP **NDT**

Your Local NDT partner



NDT Equipment and Consumables Product Brochure

- ✓ A Dedicated Equipment Specialist will provide you with complimentary training on your new equipment
- ✓ Local Support capability offered for equipment



Web: www.labquipndt.co.uk

Tel: 01273 730006

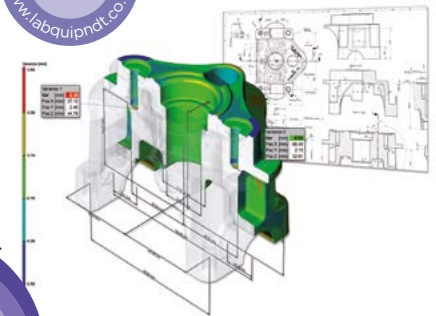


Approved Channel Partner GE Inspection Technologies



GE Phoenix Computed Tomography

- Achieve the full picture of your parts, assemblies and components with computed tomography.
- Reverse engineering tool
- Assembled item check
- Quality tool: Flaw detection within cast components – i.e. Porosity in aluminium castings
- Nominal vs actual comparison and dimensional measurement.
- Purpose built for industry with proven and robust GE X-Ray source and Detector.
- Patented Scatter|Correct technology
- Excellent image quality
- Production ready CT scanner - One touch CT “start scan” button



CT Solutions for:

- Research and Development (R&D)
- Failure analysis
- Product quality Compliance
- Product screening
- Internal details
- Assembly analysis
- Internal and external metrology
- 3D metrology
- NDT artifact analysis
- Reverse engineering
- Density analysis
- Product contamination
- Production Inspection
- Recall avoidance
- Recall reaction

**Got Samples?
We can
test them.**



GE Computed Radiography (CR)

- ✓ Flexible and Rigid CR cassettes for true digital radiograph
- ✓ Excellent image quality leads to shorter exposure times
- ✓ Intuitive – no gain setting or photomultiplier adjustments required when exposing various thicknesses
- ✓ High Resolution
- ✓ Patented Flash! Filter – One button press for image optimisation
- ✓ Rhythm software offers market leading features
- ✓ High SNR (signal to noise ratio)
- ✓ No gain settings adjustments
- ✓ Extremely long plate life
- ✓ Wall Thickness measurement



Digital Image Minimising Re-Shoots

Direct Replacement for Conventional Film Processors



- No chemicals
- No film
- Higher productivity
- Ease of sharing
- Ease of Measurement

Ultrasonic Thickness Gauges - DMS Go +

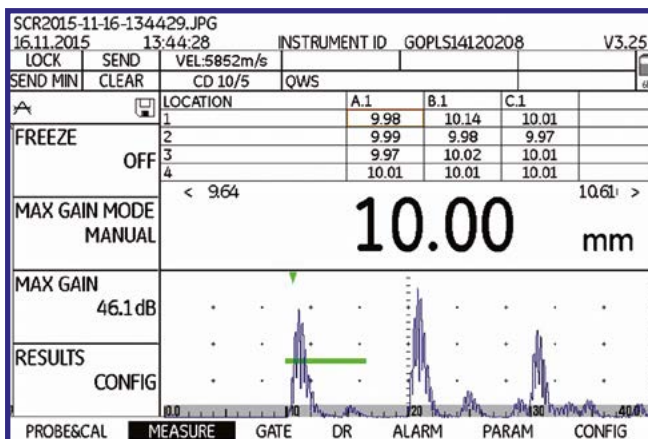
- Data Record version enables an excel table to be generated on screen and exported directly to your laptop/computer (JPEG or CSV [Excel] file format). No need for a notebook or bespoke software.
- Light and extremely portable for overhead thickness surveys (boat hulls and aircraft etc)
- B-Scan (for corrosion monitoring) ability with 1 button print screen function reporting. JPEG file produced.
- Measure coated surfaces, parent material and automatically measure the sound velocity of any given material. Compatible with TC560 probe
- Available as Kit including Cable and Probe



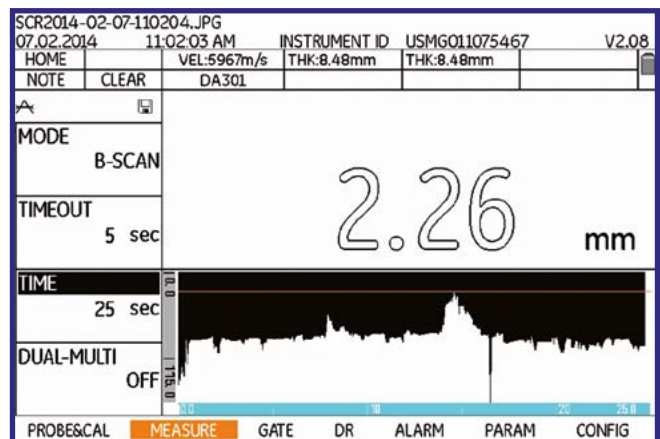
Screenshots



Excel



One button thickness survey report



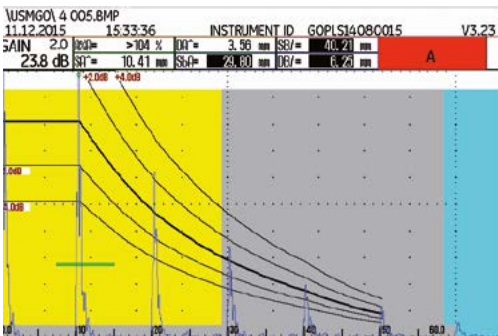
One button B Scan screenshot of corroded pipe

Ultrasonic Flaw Detectors

USM Go+

- Screenshot reporting ability and video capture mode.
- Full DAC/TCG capability with offsets.
- Light and extremely portable ideal for efficient site UT inspection tasks.
- Full screen scan mode with screen display.
- Market leading size and weight.
- Convenient for travel - Capable of storing in work trousers pocket or small backpack for travel.
- Flip screen function for left and right handed users.
- Rugged IP67 rating

Example of a Screenshot of signal with DAC curve, offset and Colour Leg functions enabled.



USM 36

- Perfect laboratory based instrument with lithium Ion battery life of 13 hours
- Screenshot reporting ability and video capture mode.
- Full DAC/TCG capability.
- Full screen scan mode with clear 7" screen display.
- Large clear display reduces the likelihood of discrepancies and increases inspection efficiency



SD card



Video recording



USB



Excel



Screenshots



USM GO +



USM 36

Ultrasonic Couplant

Gel Couplant

UCA-2M
25 Litre Drum or 4 x 1 Litre Drums (Box)
Water based gel couplant
Water soluble

Dry Powered Couplant

UCA-7
4 x 1 Litre Drums

High Temperate Couplant

UCA-3(HT)
High Temperature
1 Litre Drums or 4 x 1 Litre Drums (Box)
Up to 250°C

Chemetall
expect more+

Stocked Ultrasonic Couplant

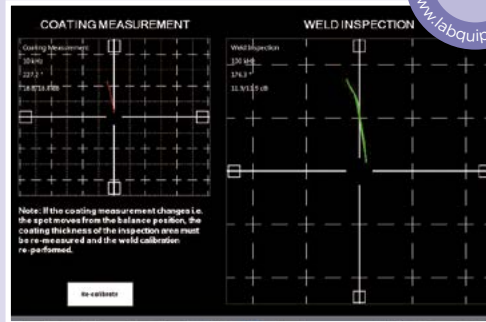
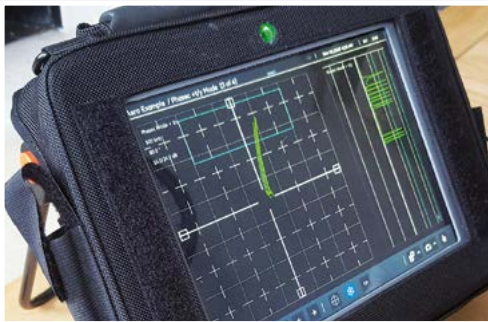
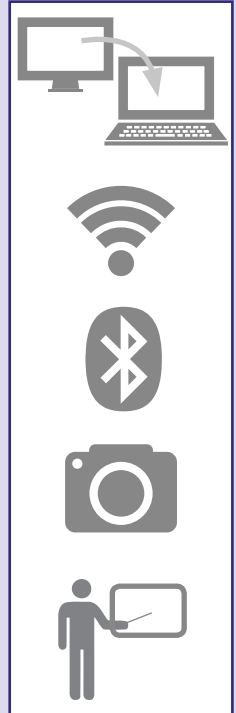
- Excellent probe coupling
- Outstanding Acoustic Transmission
- Non-toxic
- Use on ferrous and non-ferrous materials

Eddy Current Flaw Detector- Mentor EM

- Build your own EC flaw detector with on device workflows - Setup the workflow exactly to your individual requirements
- Wi-Fi enabled with remote desktop capability.
- Speed up the learning curve and have piece of mind with on device workflows.
- Market leading Signal to Noise Ratio.
- IP 65

- USB Key included with workflows loaded
- High-resolution touchscreen
- Customise procedure, Condense inspection and limit parameters
- Dual probe capability with independent EC generators.
- Industry-defining EC signal and PoD (Probably of Detection)
- Eliminates manuals.
- Remote live screen viewing and data access.

FEATURES



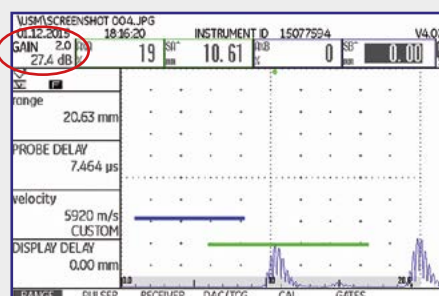
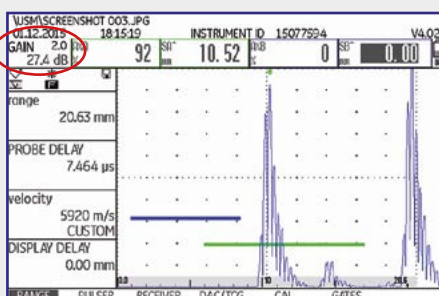
UT & EC Probes, Cables and Phased Array Probes

- Market leading conventional ultrasonic probes
- Steeped in Krautkramer heritage.
- We offer Wells Krautkramer (WK), German and USA probe lines
- WK angle and 0 Degree probes in stock
- Delay line and direct contact probes for composite inspection
- Twin crystal CD probes
- Twin crystal CDP probes with improved resolution (Piezo composite)
- All UT and EC cables available - Lemo01, Lemo00, Subvis and Microdot cables

**Call 01273 730006
today about our stocked
consumables**



Spot the difference, CD vs CD-P Probe



**Same GAIN
with Superior
Penetration,
High Resolution
and High Gain**

Ultrasonic Phased Array – Mentor UT

- Capable and easy to use
- Design your own Phased Array instrument
- Customable workflow
- Customize parameter menus
- Faster Inspections

- Inspection procurement and instrument on the same screen

We would be delighted to show you the concept on the Mentor EM with conventional eddy current

Stay in Touch Coming Soon

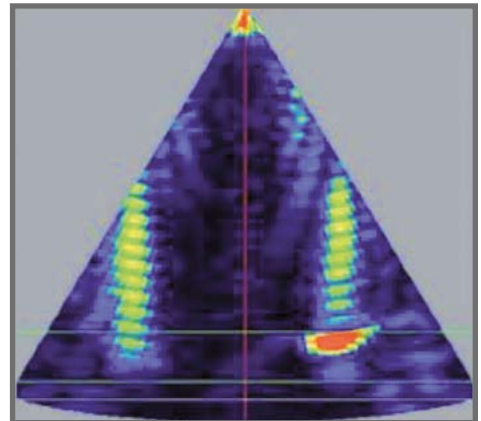
New Phased Array Product: Coming Soon

GE Phased Array Probes

- Krautkramer conventional heritage probes now evolved to full phased array
- Direct Contact
- Delay line/wedges
- Circular crystal array
- General purpose probes
- Application specific probes

Visit utprobes.com

Let's discuss your application
01273 730006



Phased Array Scanners

- Precision made
- No assembly - Ready to use
- Neat design
- Direct Contact
- Circular crystal array
- Unrivalled scanner and probe performance
- Delivered in one piece
- Only two screw types on the scanner
- Magnetic encoder for better precision and reliability
- Wheels with grip to avoid axial slip
- 3 scanners cover 1.5-3.5" range

Perfect for:

- Weld inspection on small diameter tubes
- Ideal for restricted probe access inspections



Portable Hardness

- **MIC10 - Ultrasonic Contact Impedance**
- Quick and easy measurement
- Portable
- Ease to use
- Onsite hardness readings
- Suitable for fine grained materials
- Material properties within narrow tolerances
- Small narrow probes for hard to reach test locations
- Handheld probes
- Display of single or average value
- Thin walled materials



DynaPocket - Rebound

- One handy to use instrument
- Straight forward operation
- Solid parts
- Course grain materials
- Wall thickness greater than 20mm



GE AGFA X-Ray Film and Chemicals



Image courtesy of Nick Veasey



- Large Stock available for next day delivery
- Unbeatable industry reputation-market leading product
- High level of certification and approval
- Promotional Offer for new accounts opened with Labquip NDT



Your new local NDT partner in the South UK
Place your orders with;
E-mail: admin@labquipndt.co.uk
T: 01273730006
Web: www.labquipndt.co.uk

Complimentary X-ray Art Book for New Film Accounts

(Nick Veasey Art Book - compiled using GE AGFA film)

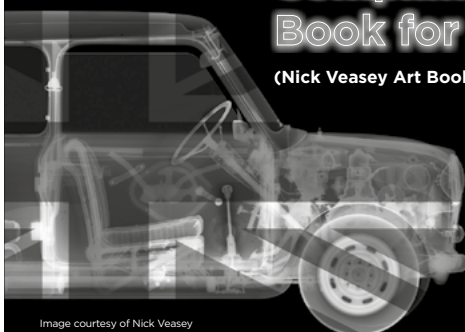


Image courtesy of Nick Veasey

- ✓ Orders placed over the value of £1000*
- ✓ Include intended recipients contact details on order
- ✓ Art book on first visit from Sales Engineer
- ✓ Promotional offer also available to new Digital (CR & DR) and Computed Tomography (CT) customers

*T&C's apply



Approved UK Channel Partner
GE Inspection Technologies



How to Order

☎ 01273 730006

✉ admin@labquipndt.co.uk

🌐 www.labquipndt.co.uk



GE AGFA Film Processing

- Automatic full processors and Table top automatic film processors
- Robust and reliable
- Reduced energy consumption thanks to the Infrared dryer
- Exceptionally quiet processor and user friendly with front digital control panel.
- Avoid Film Slippage
- Reduce algae buildup
- Good presentation to processor

Smart water treatment solutions available from Labquip NDT



GE AGFA NDT-U Processor

GE AGFA Film Dryer



- Portable
- Dry manually developed films quickly
- Immediately drying
- No warm up time required
- Direct 3 pin plug power

GE Film Digitizer

- Photocopier industrial film
- Converts radiographic film to a digital format.
- Extracts more information than light box viewing
- Film digitizing in either 50Qm or 100Qm
- Full density range (D = 0 up to 4.70 D)
- Class DS film digitizers, according to EN 14096 part 2.
- Process sheet and roll film into digital format (DICONDE)



Film Viewers

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> • Unbeatable brightness with LED (more than 10,500 cd/m²) • Light weight • Silent and robust | <ul style="list-style-type: none"> • No heating • Density $\geq 4D$ • Compiles with EN25580 and ASTM1390-90f • Equal intensity | <ul style="list-style-type: none"> • Side and foot power controls • Fully Assembled • CE Marked • 10 x 48 cm and 10 x 24 cm models |
|---|---|--|



GE X-Ray Heads

- High Quality lead shielding for safety and lack of scatter on the image side.
- 200kV, 280kV and 300kV Options
- Panoramic and directional heads available
- Rugged and durable designed for long lifetimes in NDT environments.
- Great Resistance to Mechanical Shock & Vibration.
- Unique easy to use controller (MF4).
- Store parameters and recall with ease for repeat inspections.
- Advanced Metal Ceramic tube design
- Integrated air cooling system.
- Compatible with Safety Locking Devices/Interlocks

**Make GE your Radiography equipment of choice from x-ray tube to image side.
Image side from AGFA film to CR, DR and CT**



Isovolt Stationary X-Ray Systems

- High Quality lead shielding for safety and lack of scatter on the image side
- 160kV to 450kV ISOVOLT x-ray tubes
- Constant potential
- Rugged and durable designed for long lifetimes in NDT environments
- Unique easy to use controller
- Store parameters and recall with ease for repeat inspections
- Advanced metal ceramic tube design
- Lifetime maintenance free HV connections on the tube side*
- Integrated water cooling system.



**Maintenance free
HV connection on
tube available for
320kV and 450kV**

Isovolt Mobile

- High Quality lead shielding for safety and lack of scatter on the image side
- Panoramic and directional 160kV heads available
- Aluminium filter on window
- Constant potential 6mA tube
- Rugged and durable designed for long lifetimes in NDT environments
- Great Resistance to Mechanical Shock & Vibration
- Unique easy to use controller
- Store parameters and recall with ease for repeat inspections
- Advanced metalceramic tube design
- Integrated water cooling system.
- Ease to manoeuvre x-ray heads
- 6mA High Frequency output
- 100mm diameter
- Grab hook on cart top for crane lift

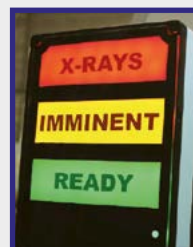


**Upright or lay
out flat with ease**

**The high
quality x-ray
cart**

Turn Key Solutions for X-Ray Enclosures and Installations

- Project Managed full Solutions (custom enclosures, x-ray, film, CR or DR)
- Fully certified solutions
- Designed and installed to specific Customer requirements adhering to all Safety Regulations
- Turnkey Radiography Solution
- Integration to existing infrastructure or Retro fit possible on existing installations



TURN KEY



GE Digital Radiography (DR)



- Instant Results
- Wireless and wired DR detectors
- Extremely high image quality
- Designed for use in rugged production environments
- Field Radiography
- Portable
- Ruggedized rubber cover
- Instant image review: minimising re-shoots
- Immediate radiographic on GE Rhythm software
- Patented Flash! Filter – One Button press for image optimisation
- Rhythm software offers market leading features
- Stationary systems available (automated inspection systems)



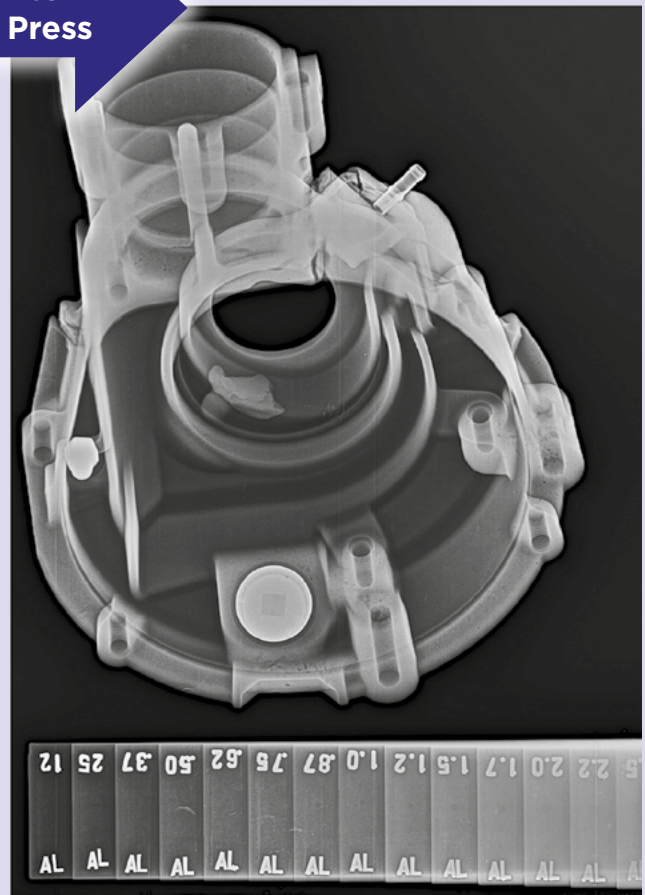
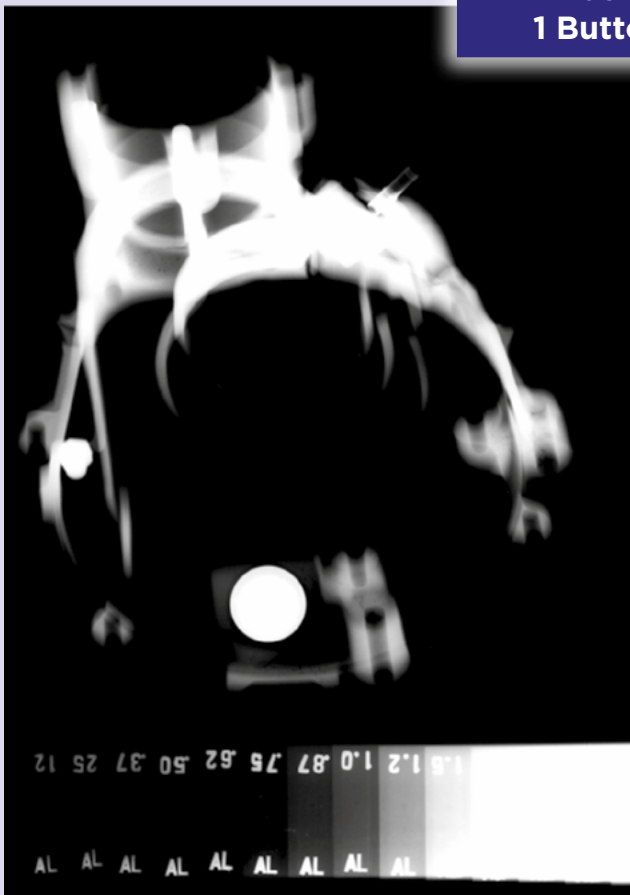
DR250 Digital Panel

Various Digital Detector Arrays for Instant Radiograph



- ✓ **Digital Image Minimising Re-Shoots**
- ✓ **Powerful Flash! Filter**

Flash! Filter
1 Button Press



Positive Material Identification (PMI)

point and
shoot

Handheld XRF



- Empirical calibration
- Integrity of your Metals to Assure Quality
- 700 materials preloaded in library & Expandable



Mobile Spark Optical Emission Spectrometers (OES)

- Know your Carbon content
- Trolley based market leading solution

Visual Inspection - Digital Magnifiers

- Inspection viewing tool
- Fast Auto Focus
- Clear handheld image
- Memory for saving
- Quick release focus distance gauge for focused image quality
- With Measuring Grids & Image Capture features
- 100 images in 480 x 272 pixels
- 4x-14x zoom
- XY Measurement Grids & Capture Images
- 24-bit bitmap format transferable to PC via USB link (Micro USB cable supplied)
- Battery Up to 5 hours usage, charge time 4 hours



Auto Focus Handheld Digital Microscope with Measurement



Your Local NDT partner

Visit: www.labquipndt.co.uk

E-mail: admin@labquipndt.co.uk

Tel: 01273730006

