



**NDT** NON-DESTRUCTIVE TESTING  
and corrosion equipment



# Contents

## Tektraco NDT

Together with its Principals, specialises in providing a broad spectrum of inspection and test equipment for inspection companies, process plants, manufacturing and service industries.



We are pleased to provide this copy of **Non Destructive Testing & Corrosion Equipment.**

For more details on the equipment presented in this catalogue please contact us.

Tektraco's main offices are in Malta with a branch office in Tripoli.

Our NDT product specialists can be contacted as per contact details found on the back of this catalogue for both Malta & Libya

### WE OFFER TO OUR CLIENTS:

- Technical Support and Advice.
- Extensive Product Range.
- Personal Attention to Specific Customer Needs.

Should you not see the product you are looking for or require more detailed information on a particular product please do not hesitate to contact us.

# elcometer®

## World Leaders in Inspection Equipment

For seventy years Elcometer has been a world leader in the design, manufacture and supply of inspection equipment to the coatings, concrete and metal detection industry.

Elcometer have also expanded its product range to include NDT and blast equipment and is well positioned to provide you with the solution to your requirements - whatever and wherever they might be.

Tektraco through its trained sales engineers can provide advice and equipment demonstrations.

### Coating Inspection



From the preparation of the surface to be coated, through climatic condition monitoring to the dry film thickness evaluation, visual assessment and gauge-based testing will ensure adequate process control.

For post coating assessment of adhesion and porosity of the coating there is a full range of adhesion testers and low and high voltage holiday detectors.

Elcometer manufactures and supplies a full range of equipment to ensure that the relevant standards are adhered to.

### NDT Equipment



With their ergonomic sealed metal cases, water and dustproof membrane keypads and a wide range of ultrasonic transducer probes, capable of measuring materials at temperatures up to 482°C (900°F), the Elcometer NDT material thickness, precision thickness and flaw detection gauges are the ideal ultrasonic instruments for measuring material thickness, sound velocity and detecting a wide range of flaws in a broad range of industry applications, including the oil & gas, marine, transport, power and civil engineering sectors

### Other Equipment



Concrete



Appearance



Laboratory and Physical Test Equipment



Blasting



## Non-Destructive Testing Products & Equipment

As the global leader in non-destructive testing, Magnaflux have been a part of the world's progress helping develop safer parts for cars; making sure that even after hundreds of take-offs and landings a jet liner is safe; testing the steel used in the tallest buildings to ensure the safety of those who live and work in them.

They've helped men land safely on the moon and return to earth. And today, men and women live safely on the International Space Station thanks to Magnaflux.

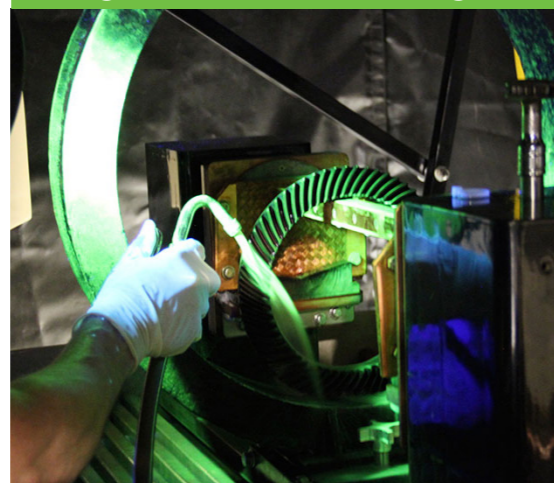
### Liquid Penetrant Testing



Enhance your penetrant inspections with Magnaflux's full range of penetrant testing products for fluorescent or dye penetrant testing to find cracks, laps, seams, cold shuts, delamination, porosity and other types of defects.

Learn more about why Magnaflux customers trust our liquid penetrant inspection solutions to provide superior results in detecting fine defects and cracks in ferrous and non-ferrous materials.

### Magnetic Particle Testing



Magnaflux magnetic particle inspection (MPI) testing equipment is designed to be fast, reliable and high-value. Versatile and durable for industrial environments, Magnaflux wet benches, magnetic yoke and power pack come in a range of outputs, including AC, half-wave DC and full-wave DC. Magnaflux MPI equipment can be sized for specific test parts and to accommodate almost any size part.

### Uv Lamps , Aqueous Cleaner and Ultrasonic Couplants



Uv Lamps



Aqueous Cleaner



Ultrasonic Couplants

# HITACHI



## Handheld XRF Analyzers

With over 45 years of experience in supplying innovative analysis solutions to companies across the world, Hitachi knows the importance of fast and accurate analysis to its customers. Hitachi High-Tech's range of analysers offers easy to use, proven and comprehensive solutions that can be used to comply with regulations and even enhance productivity, safety and efficiency.

### Handheld XRF Analyzers | X-MET8000 range



The X-MET8000 range of handheld X-ray fluorescence (HHXRF) analysers delivers the performance needed for rapid alloy grade identification and accurate chemistry of a wide variety of materials (solid and powder metals, polymers, wood, solutions, soil, ores, minerals etc).

The X-MET is practical, rugged and easy to use to deliver results you can trust.

### Handheld LIBS Analyzers | Vulcan+ range



Vulcan is one of the fastest metal analysers that is built to last. Just squeeze the trigger and one second later the result appears. As it uses Laser-Induced Breakdown (LIBS) technology, you won't need to worry about X-rays.

Whether your business is scrap sorting or PMI quality control Vulcan delivers accurate and consistent grade ID every time.

# Sonatest

## Leading Ultrasonic Inspection Equipment

Founded in 1958, Sonatest is the leading manufacturer of ultrasonic inspection equipment. Sonatest is recognised and respected around the world for the quality of their rugged portable products which can be found in every industry and application.

Whether it is conventional ultrasonics or advanced cutting edge phased array with FMC-TFM Sonatest is your partner for Non-Destructive Testing solutions whatever your industry or application.

### Phased Arrays



The Phased Array technique was made possible even in portable, battery-operated instruments more than 10 years ago, powered by more capable electronics and software. Sonatest is proud of its VEO+ and Prisma line that offers the end-user outstanding performance in the field together with the flexibility and capability to step up from using a high-end ultrasonic flaw detector to an instrument with phased array functionality.

Typical applications include Weld Inspection, Crack Detection, Corrosion Mapping, Aerospace and Composite Testing.

### Ultrasonic Testing



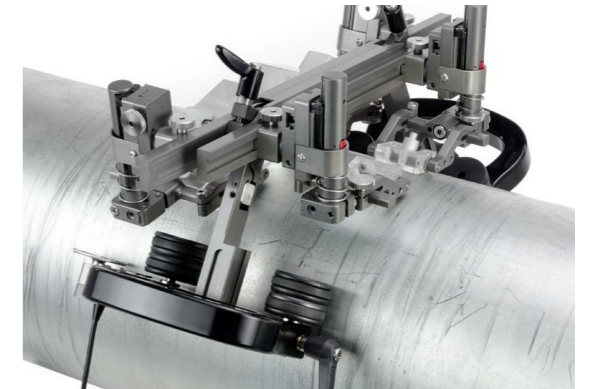
Sonatest's comprehensive range of portable ultrasonic flaw detectors provides the end user with unrivaled flexibility and performance in the field of Non Destructive Flaw detection.

All instruments are field upgradable, reducing your downtime and increasing your working flexibility, rising to the challenge of your application.

Sonatest are proud to offer some of the most powerful and rugged **UT flaw detectors** on the market with their product development always focused on operator and end user requirements.



Thickness Gauges



Scanners



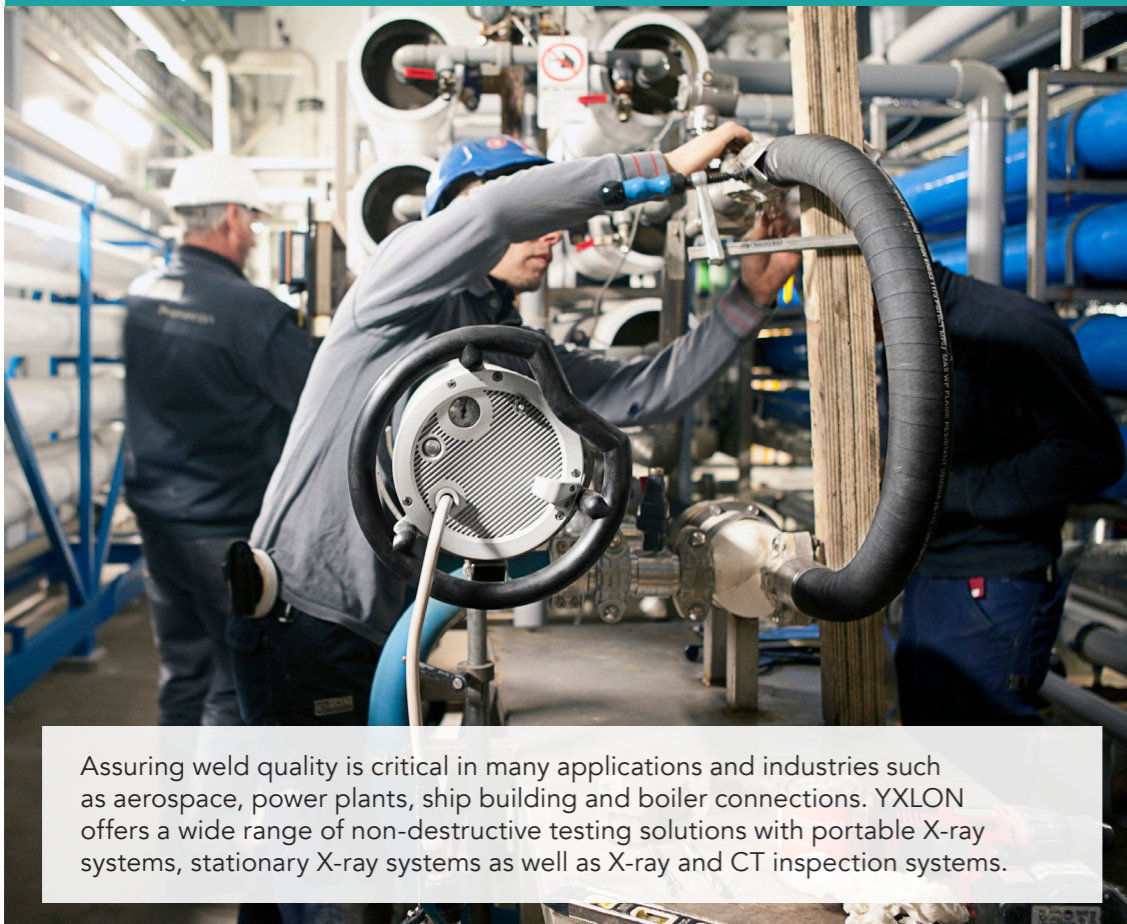
Wheel Probes

# YXLON

## X-Ray and CT Solutions

YXLON International designs and produces radioscopic and CT inspection systems for a broad variety of industrial applications and fields. Whether in the aviation and aerospace, automotive, or electronics industry, their customers are among the largest manufacturers in the world – major enterprises that place their confidence in their outstanding quality.

### X-ray Inspection of Welds



Assuring weld quality is critical in many applications and industries such as aerospace, power plants, ship building and boiler connections. YXLON offers a wide range of non-destructive testing solutions with portable X-ray systems, stationary X-ray systems as well as X-ray and CT inspection systems.

### Pipe Testing



In contrast to other technologies, difficult areas like pipe ends can also be inspected with confidence using X-ray. Moreover, for certain regions of the weld an inspection involving X-ray is frequently stipulated for safety reasons – for instance in the case of conjoined spiral-weld sections.

Using film, image intensifiers, or digital flat-panel detectors – X-ray systems have been deployed successfully in quality assurance processes during pipe production for both spot-check welding samples and for full inspection.



## Alignment, Measurement & Weld Measuring Gauges

G.A.L. Gage Company manufactures high quality precision Weld Measuring Gauges for checking Weld Thickness, Butt Welds, Pits, Undercuts, and much more.

They also produce the unique Gap-A-Let(r) Rings that can reduce fit-up time by up to 90% for socket welding.

Their products include the 7-Piece Fillet Weld Set, Bridge Cam Gauge and the Adjustable Fillet Weld Gauge; to name but a few.

### 7 Piece Fillet Weld Set



One of the quickest and easiest ways to check fillet weld leg length and fillet weld throat dimension against weld specifications is with a Fillet Weld Gauge.

These gauges come in a variety of sets with sizes ranging from 1/8 of an inch to 3 inch in both inch and metric sizes.

### Bridge Cam Gauge



The following measurements are possible in either inches or millimeters: Angle of Preparation, Excess Weld Metal, Depth of Undercut, Depth of Pitting, Weld Throat Size, and more.

### Pipe Pit Gauge



Measurement Scale: Inch or Metric

- Range is 0 to 1/2" in 1/64" & .010 increments
- Arm Can be Locked in Place at Any Dimension
- All Stainless Steel
- Gauge Will Fit in Shirt Pocket & Comes in a Pocket Protector
- Has Handy Formulas on Front & Decimal Equivalents on Back

### V WacWeld Single



Measurement Scale: Inch or Metric

- Measurement Scale: Inch or Metric
- Checks Undercut
- Checks Crown Height
- Checks Porosity
- Checks Pits
- All Stainless Steel

# SONASPECTION

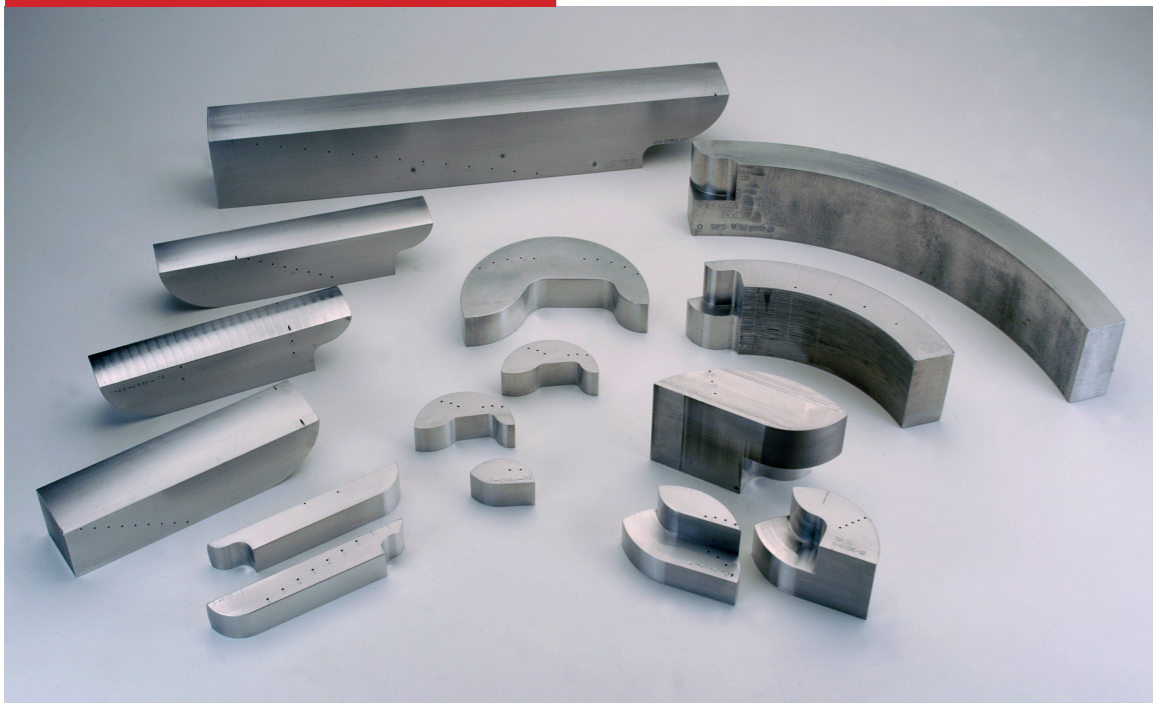


## Sonaspection

Sonaspection is the longest established manufacturer of flawed specimens in the Non-Destructive Testing (NDT) industry, starting in 1980 and have developed many well recognised 'industry standard' flaw manufacture and implanting techniques.

Having led the field in flaw manufacture, Sonaspection are internationally accepted as the standard for NDT training and qualification and have sold their products to all the major performance demonstration, training and qualification centres around the world.

## Calibration Blocks



Reference blocks for advanced calibration of inspection equipment prior to Performance Demonstrations and inspection of pipe welds in the power generating industry.

Sonaspection's in-depth knowledge of Non-Destructive Testing and Performance Demonstration provides a unique insight into the requirements of these specialty reference blocks.

## Bend Test Samples



Sonaspection has produced a range of bend test samples that can show a student or technician the impact welded defects can have on the structural integrity of a welded joint. We supply them in batches of 5 bars (12mm x 10mm x 200mm long). Each bar has 1 defect in it.

## Flaw Specimens



Standard Flawed Specimens are designed and manufactured to meet the requirements of all known internationally recognised Qualification Programmes.



## Equotip® Portable Hardness Testers

Overcome the limitations of stationary benchtop metal NDT hardness testing.

Proceq's Equotip enables portable hardness inspection of almost any object, polished parts and heat-treated surfaces.

The hardness measurements are made by using the dynamic rebound testing method according to Leeb, the static Portable Rockwell hardness test and the Ultrasonic Contact Impedance (UCI) method.

### Equotip 550 UCI



The test principle of the Equotip Portable Rockwell follows the traditional Rockwell static test method. During measurements with the Equotip Portable Rockwell Probe, a diamond indenter is forced into the test piece using a precisely controlled force.

### Equotip Live UCI



Wireless Portable Ultrasonic Contact Impedance (UCI) Hardness Tester

- Unmatched versatility owed to HV1, HV5, and HV10 test loads in one wireless probe
- High precision thanks to innovative and patented force-sensing technology
- Enhanced productivity through a user-centric software interface

Applications:

Ultrasonic Inspection of Welds / Heat-treated surfaces / Wirelessly connect to Mobile App and Cloud

### Equotip Live Leeb D



Portable Leeb D hardness inspection

- World's most portable and functional Leeb D probe
- The most intuitive and efficient user interface you can find
- Swiss-made, legendary accuracy and durability known for Equotip products

Applications:

Hardness testing of casts, flanges, shafts, and bars/pipes / Wirelessly connect to Mobile App and Cloud / Rock testing



## Advanced Developing Equipment

Colenta specializes in the design and manufacture of a comprehensive range of automatic processing systems for photographic, medical/industrial X-Ray and graphic/printing applications to meet their customers' precise needs.

Colenta manufactures a wide range of processor options and systems for developing NDT films. Their robust design, build quality and low maintenance requirements make them an ideal choice for use in the industrial inspection industry where image quality is so important.

### COLENTA INDX 37 NDT Mobile



INDX 37-NDT Mobile provides a customer with a self contained film processing facility that can be installed inside a truck body or container and moved efficiently from location to location as required. The system is configured with all that is required for the automatic processing of industrial x-ray film sizes up to 35cm in width inside a vehicle and with a series of options to meet specific needs that a customer may have based on their typical working sites and conditions. The INDX 37 Mobile unit provides a processing capacity of 13cm/min at 100 sec Developer time.

### Mobile Lab Container



The design of each self contained mobile units is individually planned to meet the customers requirements in terms of film processing equipment, film handling/viewing and interior layout.

All equipment and services are securely fixed to provide safe and reliable handling both in transit and when in use.

We are also able to compliment the above with the supply of Industrial (NDT) films and chemicals. Contact us for a Quote.



# Calibration services

Notes



Tektraco in collaboration with its network of accredited laboratories offers laboratory test reports and/or ACCREDIA calibration certificates on equipment already possessed by your company. These services aim to grant customer satisfaction and to rationalize the number of suppliers.



Tektraco, through its Non-Destructive Testing product specialists provides both a consultancy service as well as a wide range of products.

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