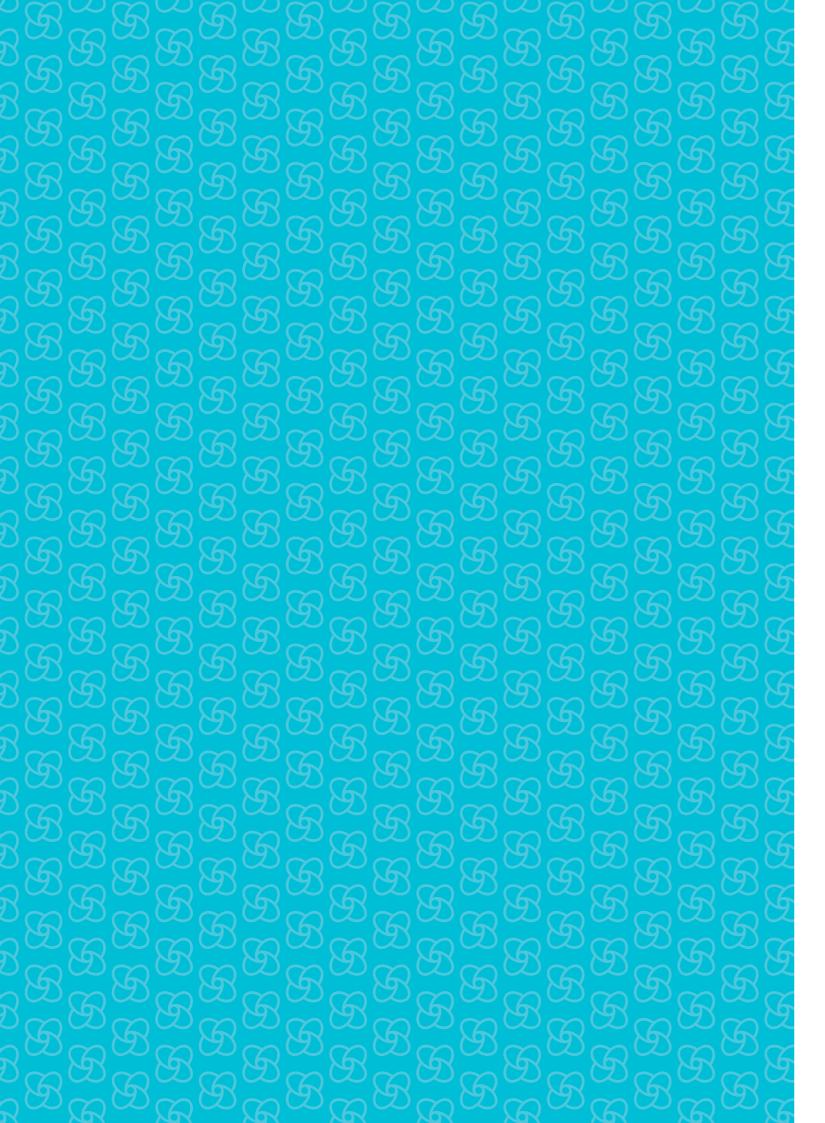


PRODUCT CATALOG

INSPECTION TECHNOLOGIES





We are Sourca LLC

A team of professionals dedicated to providing premium quality non-destructive testing (NDT) inspection technologies and products, at the best prices and delivery times.

Since our creation in 2013, we have had the privilege of providing complete satisfaction to various Algerian and multinational companies, by providing reliable, recognized and superior quality products.

We have a full range of inspection and NDT equipment, including radiography equipment (RT), penetrant inspection products (PT), magnetic particle inspection products (MT), ultrasonic devices (UT), industrial endoscopes (RVI), as well as coating testers and other NDT equipment.

The satisfaction of our customers is at the heart of our priorities and our strategy. The entire Sourca LLC team is committed to putting its skills, experience and know-how to the benefit of its clients in order to support them, advise them and offer them the best quality of service.

Eresco MF4



With their power, portability, versatility and reliability, **Eresco MF4** air-cooled x-ray generators are ideal for a variety of inspection applications.

Specifications	200 MF4-R	42 MF4	300 MF4-R	65 MF4	32 MF4-C	52 MF4-CL
Beam		Directional			Panoramic	
Tension	10 - 200 KV	5 - 200 KV	10 - 300 KV	5 - 300 KV	5 - 200 KV	5 - 300 KV
Current	0.5 - 1	0.5 - 10 mA		6 mA	0.5 - 10 mA	0.5 - 6 mA
Length	803	803 mm 1020 mm) mm	836 mm	1048 mm
Weight	24.6	5 kg 37.8 kg		28.8 kg	33.8 kg	
Focal spot size	1 mm	3 mm	1 mm	3 mm	0.4 x 4 mm	0.5 x 5.5 mm
Power	600 W	900 W			600	W

SENTINEL 880 Series

Security, reliability, ease of use, approved by the experts

The **880 serie** produces reliable results in all conditions, including harsh industrial environments.



SCARPro 1075

24/7 productivity in the spaces the most restricted

The **SCARPro 1075** is typically used in tight spaces, reducing interruptions and improving industrial safety.



Radioactive sources

















Pipeline Crawlers



RADIOGRAPHIC

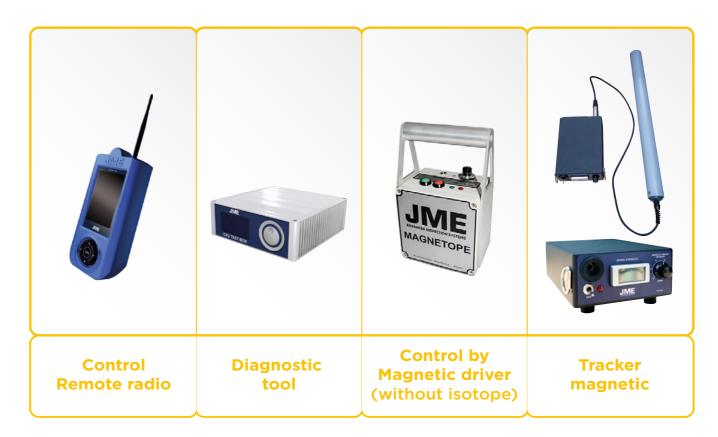
Generation CR2

Isotope free for free inspection, without constraints or escort



Pipeline Crawlers are designed specifically for non-destructive testing of circumferential butt welds in tubular installations, including oil and gas transportation pipelines.





	6:CR2	10:CR2	10:CR2:S	24:CR2
Specifications		0	0	
Internal diameter of the pipe	5.5" à 18"	9.5" à 48"	12" à 48"	22" à 60"
Weight without RX tube	Batt. 9Ah : 32 Kg Batt. 13Ah : 38 Kg	120 Kg	99 Kg	Batt. 24h : 167 kg Batt. 34h : 200 kg
Length without RX tube	1500 mm	1963 mm	1616 mm	1300 - 1535 mm (depending on configuration)
X-ray tube output	160kV - 180kV		160kV - 360kV	
Batteries	48 V		120 V	
Battery capacity	9Ah et 13Ah	24Ah	15Ah	24Ah et 34Ah
Speed	≥ 12 m/min	≥ 22 m/min		≥ 23 m/min
Max climb angle (Optimal conditions)	25°	≤ 20°		≤ 30°
Operating temperature		-20°C à +70°C	-40°C à +70°C	

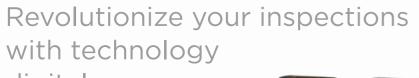






RADIOGRAPHIC

Buggy DXB:1







DXB:1 is a revolutionary system that instantly produces high-quality panoramic digital radiograms for circumferential welds. It eliminates the need for conventional films, thereby removing the chemical treatments, darkrooms and defects associated with conventional radiography.

Principle of operation



FS50B Digitizer



FS50B is a rugged, versatile conventional film scanner that delivers high-performance scanning at premium quality and high throughput.

CRx Vision

Ideal to replace x-ray conventional





The **CRx Vision** is a versatile high-resolution computerized radiography scanner for weld inspection, equipped with innovative features to increase throughput, extend the life of phosphoric films and provide excellent image quality.









RADIOGRAPHIC



Specifications	NOVA	M ECO	NDT U
Optional cycles	1.5 to 12 mins	3 to 12 mins. (per 1 min.)	
Standard Processing Cycle			
Capacity (8 min. cycle) 10 cm x 48 cm (4 films side by side)	92 films/hour		106 films/hour
Scrolling speed	20cm	n/min.	3 to 12 mins. (per 1 min.)
Weight	80 kg	104 kg	160 kg
Developer tank capacity	10 Liters		24 Liters
Fixer tank capacity	10 L	20 Liters	
Rinsing tank capacity	10 Liters 9 Liters		20 Liters
Development temperature	28°C		

Agfa Sturcturix films

State-of-the-art x-ray films ensuring very high quality





	Classification				alence
AGFA	ISO 11699-1	JIS-K7627	ASTM E1815	FUJUFILM	KODAK
D4	C3	T2	Class 1	IX50	MX125
D5	C4	T2	Class 1	IX80	T200
D7	C5	Т3	Class 2	IX100	AA400

Development products Sturcturix

Full range of products chemicals for manual use and automatic











RADIOGRAPHIC

Dosimeter pen

Protect yourself by evaluating your radiation dose personal



Dryer

Fast drying and effective films radiographic



Electronic dosimeter

Your personal radiation dose under control with an alarm



Negatoscope and densitometers

The essentials for interpreting conventional x-ray images



Portable survey meter

Stay in control with precise radiation detection



Accessories

Complete range of accessories for radiographic testing











MAGNETIC

Chemical products

omplete range of highly sensitive products compliant with standards















Reference blocks

Diverse reference blocks for all penetrant testing applications



Chemical products

Complete range of products compliant with all industry standards











Reference blocks

Certified reference blocks of superior quality











MAGNAFLUX

MAGNETIC

Magnetic Magnets (Yokes)

Lightweight and ergonomic magnetic magnets, available in AC, DC and permanent







Specifications	Y-2	Y-7	Y-8	Mat-2
Waveforms	AC	AC/DC	DC	Permanent
Arm spacing	64 - 270 mm	51 - 300 mm	51 - 279 mm	250 mm
Cord length	3,6 m, detachable	3.7 m	18 m	/
Lifting force	> 4.5 kg	AC : > 4.5 kg DC : > 22.7 kg	22.7 kg	> 18 kg
Magnetic field	> 2 kA/m	2.5 kA/m	9.8 kA/m	/
Dimensions	230 x 60 x 210 mm	190 x 51 x 305 mm	190 x 51 x 254 mm	190 x 25 x 165 mm
Weight	2.8 kg	3.3 kg	Yoke : 3.6 kg Batt : 2.4 kg	1.5 kg

Lamps

Compliant UV and white portable lights to inspection standards



Specifications	EV6000	EV6500
Light sources	UV light	UV and white light
Maximum UV intensity	5 000 μW/cm²	7 000 μW/cm²
UV light coverage	Ø 25 cm	Ø 25 cm
White light coverage	/	1600 Lux
White visible light	/	Ø 41 cm
Weight	0.9 kg	1.3 kg









15

Thickness measurement



Thickness measurement



ULTRASONIC

DM5E / DMS Go+

Obtain accurate data using a portable, intuitive and robust tool





Specifications	DM5E BASIC	DM5E DM	DM5E DL	DMS GO+ BASIC	DMS GO+	DMS GO+ ADVANCED
Measuring through coating	No	Yes	Yes	No	Yes	Yes
Recorder functionality of data	No	No	Yes	Yes	Yes	Yes
Ultrasound echoes	B-scan			A-scan	A-scan B-scan	A-scan B-scan
Compatible with probe single element	No	No	No	Yes	Yes	Yes
UltraMATE Software		Optional			Optional	Yes
Measuring range	(0.60 to 508 mn	n	С	0.4 to 14,000 m	m
Receiver band	0.5 to 12 MHz				0.2 to 20 MHz	
Screen size	53 mm x 27 mm				108 × 65 mm	
Power supply/Autonomy	2 AA batteries / 60 hours			Li-lo	on battery / 8 h	ours
Size/Weight	138 x 32 x 75 mm / 223 g			175 ×	111 × 50 mm / 8	850 g
Protection	IP 54				IP 67	

Swift UT and Scorpion 2

Effective remote inspection storage tanks



The **Silverwing Swift** and **Scorpion 2** remote ultrasonic inspection solution improves efficiency and data quality when inspecting structures such as storage tanks, vats and offshore installations.

Principle of operation











ULTRASONIC

Accurate data using a portable tool, intuitive and robust





Waygate Technologies



Specifications	USM36	USM GO +	USM100
SCREEN/RESOLUTION	7" / 800 × 480 pixels	5" / 800 × 480 pixels	7" / 1024 x 600 Pixels
Handling	Button	Button	Button + touch
Maximum measuring range	14 108 mm	14 016 mm	27 000 mm
Receiver band	0.5 to 20 MHz	0.51 to 19.6 MHz	0.2 to 30 MHz
Ultrasound echoes	A-s	can	A-scan B-scan, C-scan (Encoded)
Encoder port	No		Yes
Battery/Autonomy	Li-Ion / 13 hours	Li-Ion / 6 hours	2x Li-Ion / 10 hours (hot swappable)
Size/Weight	255 × 177 × 100mm / 2.2kg	175 × 111 × 50mm / 850g	216 x 138 x 60 mm / 1,2 kg
Connectivity	USB Type B	Micro USB	USB 2.0 Type A (Wifi adapter support) USB 3.0 Type C (can be used as video output)
Storage	SD-Card 8 GB	SD-Card 16 GB	64 GB

Probes

Very wide range of conventional probes in order to detect defects or measure the thickness of materials.



Calibration blocks

Certified calibration blocks for all types materials to calibrate the devices ultrasonic

















ULTRASONIC

M2M MANTIS

Ultrasonic flaw detector PAUT, robust and lightweight TOFD with TFM



Specifications	Mantis 16:64PR	Mantis 16:64PR TFM16	Mantis 16:64PR TFM64	
Butt welding and long bead welding usually up to 25-30mm thick	Only one group M uniquely		lti-group up to 8	
Inspection speed - PRF	Up to	12kHz	Up to 20kHz	
Expertise in FMC/TFM	No	Up to 16 elements, no recording FMC, only direct modes	Yes	
Advanced solutions: CAD for T and Y joints, as well as pipe welds (nozzle welds). Support for Matrix probes (Matrix) and Dual Matrix. Using a capable scanner to move on up to 3 axes.	No	Importing overlays is done exclusively using CAD	Yes	

ZETEC TOPAZ64

PA+TFM+TOFD support simultaneously as well as TFM on identical or different probes.



TOPAZ64 is a portable 64-channel multi-element ultrasonic inspection device, which enables rapid and reliable inspections. It intelligently combines the power of 64 active channels for PAUT applications with the most advanced capabilities of FMC, TFM and PWI.

Unique characteristics:

- Phased network up to 64/128PR
- FMC or PWI electronic excitation with up to 64 elements
- High resolution TFM in real time
- PAUT compliant with 64 channel code
- Time of flight diffraction (TOFD)
- Raw FMC data recorded in encoded mode









Technologies

ULTRASONIC

M2M GEKKO

Détecteur de défauts par ultrasons PAUT, TOFD TFM, FMC haute résolution

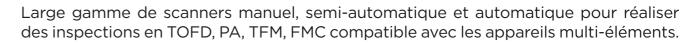


Gekko est un détecteur de défauts éprouvé sur le terrain, offrant les systèmes PAUT, UT, TOFD et TFM via l'interface utilisateur simplifiée Capture.

Disponible en configuration 32:128 ; 64:64 ; ou 64:128 ; Gekko associe haute résolution et rapidité tout en réduisant le temps de formation des inspecteurs.

Caractéristiques uniques :

- Boîte à outils complète pour TFM, y compris l'étalonnage TCG
- Imagerie TFM haute résolution jusqu'à 128 éléments
- Buse d'inspection 3 axes avec affichage en temps réel
- Pinceau 3 axes pour cartographie composite et corrosion
- Affichage en direct de l'inspection des soudures d'angle
- TFM adaptatif en temps réel (ATFM) pour l'inspection de surfaces ondulées





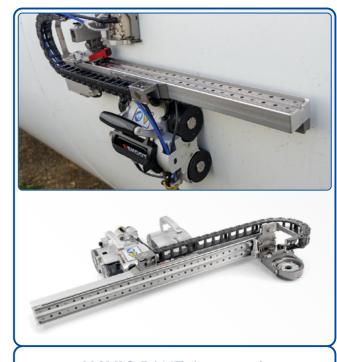


LYNCS Inspection TOFD

LYNCS Inspection PAUT







NAVIC PAUT Automatic







ULTRASONIC

Dolphicam 2

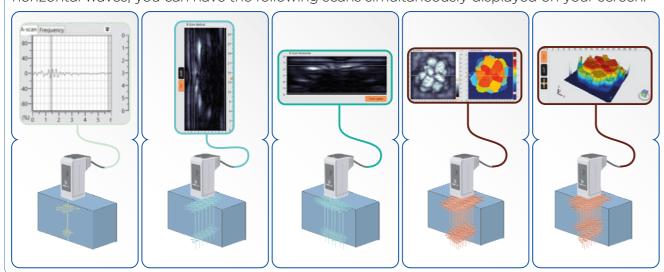
MAUT ultrasonic flaw detector, Live C-scan up to 16,384 elements



DolphiCam 2, with 3D view, revolutionizes the inspection of composite materials. Detect defects with unrivaled accuracy, assess depth, get a holistic view of your inspection area. Opt for cutting-edge technology and improve your composite inspections

Principle of operation

With the MATRIX transducer, which enables the creation of a matrix of 128 vertical waves by 128 horizontal waves, you can have the following scans simultaneously displayed on your screen:



Sonyks

Pipeline Corrosion Inspection up to 200m from a single measuring point



Sonyks offers unprecedented ability to inspect a wider range of piping applications, including flange to flange pipe, in the most economical and fastest manner.

Principle of operation









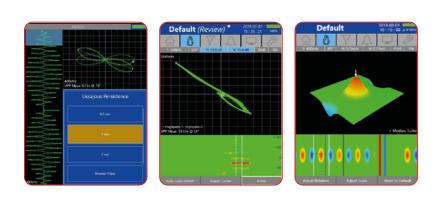
25



EDDY CURRENT

MIZ-21C

The entry level of eddy currents







The **MIZ-21C** is a fast, portable and extremely economical instrument that effectively replaces penetrant and magnetic particle inspections. Compared to stylus probes, the multi-element surface option reduces inspection time by up to 95%.

Specifications	MIZ-21C SF	MIZ-21C DF	MIZ-21C ARRAY
Conductivity	Yes	Yes	Yes
Single frequency	Yes	Yes	Yes
Dual frequency	No	Yes	Yes
Rotary scanner	No	Yes	Yes
Multi-element Eddy Currents	No	No	Yes

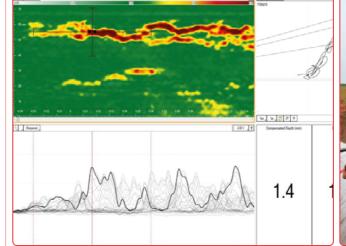
Reddy Surface ECA and MFL

A quick assessment of cracks and corrosion



The **Reddy** and its integrated data analysis software provide the most intuitive user experience, including real-time C-scans, a modern, robust and large multi-touch interface, and many other features enabling inspections surface with high probability of detection (PoD).

Principle of operation













EDDY CURRENT

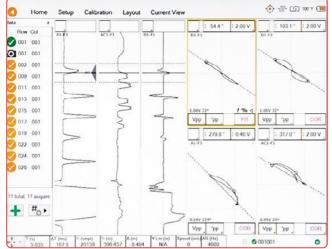
Reddy AC and Tubes ECT

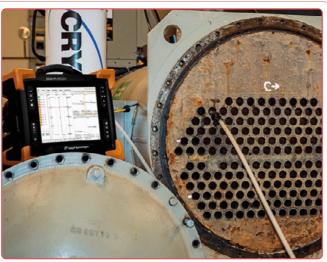
Perfect for air conditioner (AC) inspections and other ECT tubes



The **Reddy AC** is used to inspect air conditioners and perform other tube inspections by ECT. Existing ECT instruments are bulky and have evolved very little since their introduction, making them incompatible with modern inspection conditions where productivity and cost-effectiveness are crucial.

Principle of operation





Ectane 3

Enables inspections with a wide range of technology combinations



These are:

Eddy currents (**ECT**)

Multi-element eddy currents (**ECA**)

Tangential multi-element eddy currents (TECA)

Far field test (RFT)

Test en champs lointains multi-éléments (RFA)

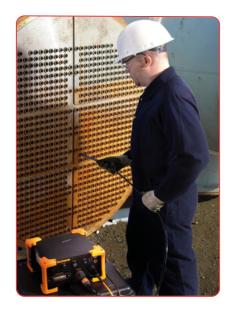
Near field test (NFT)

Multi-element near-field testing (NFA)

Magnetic leakage flux (MFL)

Multi-element magnetic leakage flux (MFLA)

Ultrasonic inspection (IRIS)











29

Corrosion under insulation



Alternating current field



EDDY CURRENT

Lyft

Corrosion integrity management solution under flexible, fast



Lyft peut scanner à travers une isolation épaisse ainsi que des manteaux en aluminium, en acier inoxydable et en acier galvanisé. Il bénéficie également d'une gamme de PECA, de PEC à élément unique et des sondes spécifiques qui prennent en charge diverses applications.

Principle of operation





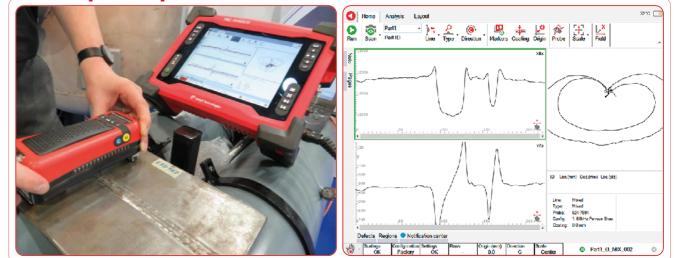
Amigo 2

Accurate detection and sizing of surface cracks



Amigo 2 permet la détection et de dimensionnement précis des fissures de rupture de surface par le biais de la peinture et des revêtements. L'instrument original Amigo ACFM s'est forgé une réputation de robustesse, de fiabilité et de facilité d'utilisation.

Principle of operation









MAGNETIC FLUX LEAKAGE



The FloormapX is a multi-element MFL scanner for tank bottoms with the multi-technology Array solution for localization and discrimination of thick plate corrosion and optimal detection probability.

Principle of operation



Swift MFL and Pipescan HD



The **Pipescan HD** solution is designed to maximize speed, reliability and confidence in detecting corrosion and pitting in ferrous surfaces and pipes. It increases the total effectiveness of integrity assessment campaigns by improving inspection team productivity.

Principle of operation











Remote visual inspection



Mentor Flex

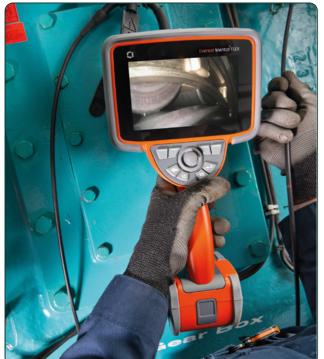
Versatile endoscope, designed for easy use in any environment



Accurate and efficient daily inspections are now possible with **Everest Mentor** Flex.

It provides excellent image quality to easily identify faults and tools that eliminate the hassle. Inspections are becoming faster than ever.







Mentor Visual IQ

The most efficient with integrated 3D and POD measurement for very high image quality





Specifications	Inspect	Touch	Analyse
Interchangeable Probes	Optional	Yes	Yes
Touch screen	Optional	Yes	Yes
Measurements by comparison	Yes		
Stereo Measurements	Optional Yes		Yes
3D Stereo Measurements	Optional Yes		Yes
3D phase measurements	Optional		Yes
Image Rotation (Multi-Touch)	Optional	Yes	Yes
Defect detection using artificial intelligence analysis Optional			
Automatic fin counter	Optional		









XRF spectrometer

Thermo Fisher SCIENTIFIC

LIBS spectrometer



POSITIVE MATERIAL IDENTIFICATION

Niton XL

Energy dispersive X-ray fluorescence



Specifications	Niton XL2 Plus 980	Niton XL5 Plus		
X-Ray Tube	6-45kV, 1-200uA, 2W	6-50kV, 0-500uA, 5W		
Detector Type	SI	DD		
Weight	1.53 kg	1.3 kg		
Spot Size	8 mm	8mm or 3mm with optional collimator		
Calibration Modes	Metals, Coatings, Mining, Plastics, Painting	Metals, Coatings, Mining, Plastics, Painting		
Analytical Range	Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, Ge, As, Se, Mo, Ag, Cd, Sn, Sb, Te, W, Au, Hg, Tl, Pb, Bi (or S to U optional)	Mg, Al, Si, P, S, Cl, K, Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, Ge, As, Se, Br, Rb, Sr, Y, Zr, Nb, Mo, Tc, Ru, Rh, Pd, Ag, Cd, In, Sn, Sb, Te, I, Cs, Ba, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Ta, W, Re, Os, Ir, Pt, Au, Hg, Tl, Pb, Bi, Th, U		
Display	Touch			
Integrated micro camera	Yes			
ntegrated CDD macro camera	No	Yes		
Data transfer	USB, Bluetooth	USB, Bluetooth, WiFi		
Storage	10,000 readings	130,000 readings		
Hot-swappable battery	No	Yes		

Niton Apollo

Laser focused carbon analysis; fast, precise and portable

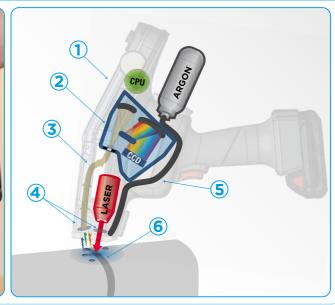
Niton Apollo Niton Apollo specializes in measuring carbon content in a convenient and portable format. Powered by Laser-Induced Breakdown Spectroscopy (LIBS).

The device is composed of:

- 1 LCD screen
- 2 Spectrometer
- 3 Optical fiber
- 4 Focusing lenses
- 5 Argon purge tube
- 6 Plasma















37

COATING

Elcometer 456 Integrated probe

Available in different measurement ranges, as well as in ferrous categories and non-ferrous



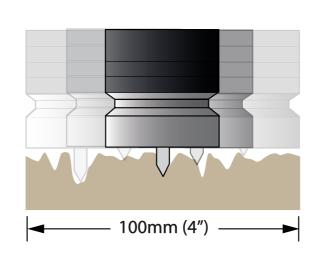
Elcometer 456 Separate probe

Ideal for tight spaces with a wide range of probes interchangeable



Elcometer 224

Technology for measuring surfaces and the profiles of the surfaces they are flat or curved

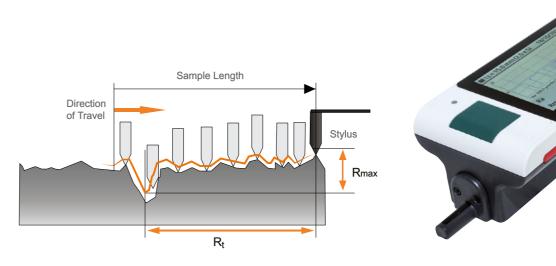






MarSurf PS10 Elcometer 7062

A portable and lightweight measurement solution which meets international standards











inspection equipment

Elcometer 130

Dew point Elcometer 319

Designed to measure and record climatic parameters important

The Elcometer 319 Dew Point Meter is a robust instrument designed to measure and record all necessary climatic parameters to determine whether conditions are suitable for painting.



Quickly and accurately measure the level soluble salts present on surfaces more four times faster than traditional methods of Bresle equivalents.



Hygrometer Elcometer 308 et 309

Quickly measure relative humidity (RH), surface temperature (Ts) and Delta T



Elcometer 308: Allows simple and quick measurement of relative humidity and surface temperature.



Elcometer 309: Allows simple and quick measurement of Delta T and relative humidity.























COATING

Elcometer 270





Wet sponge porosity detector ideal for powder coatings.

For safer, easier and more versatile DC pulsed current porosity detection.

Elcometer 106



Portable, easy-to-use tensile adhesion tester Ideal for on-site testing.

Elcometer 506



Tensile adhesion tester which allows precise measurement of the cohesive power between the coating and the substrate. Ideal for regular checks.

Elcometer 236

Elcometer 266



High voltage porosimeter to detect craters, defects, holes, etc. In many non-metallic coatings.



Used to test the porosity of coatings up to 7.5mm thick.

Elcometer 508



Pressure adhesion tester which allows you to test the adhesive power of coatings. Ideal for on-site work on tanks and pipelines.

Elcometer 510



Automatic traction adhesion meter allowing precise measurement of the cohesive power between the coating and the substrate. Ideal in the laboratory and on site.







43

COATING

VISUAL

Full range of welding gauges available as individual pieces or complete kits.









Atex camera Ex-M OZC 2

ARMADEX Ex-M OZC 2 is the only explosion-proof camera equipped with a 5x optical zoom function. It is suitable for use in ATEX zone 2 (gas).



Atex lamps Pelican

Large range of ATEX lamps such as torches, headlamps, magnetic lamps and much more.



Inspection mirrors

Large range of inspection mirrors, including plain, illuminated, magnetic, telescopic models, and much more.













TRAINING

Novotest T-UD3

Measure the hardness of various materials, shapes and dimensions easily





Flawtech kits

Educational kits containing very serious defects specific intended to be tested to evaluate candidates in training













CT Scanners



Nonotom M et V-tome-x

CT scanners for 3D process control high speed.









Specifications	Nanotom M 180	Vitomeix S 240 Neo	Vitomeix M 300	Vito L 300	melx L 450
Application	Composites, plastics, electronic, bio, geo, metrology	Composites, plastics, AM, small castings	AM, castings, composites, organic, geo, metrology	AM, castings, composites, organic, geo, metrology	
Benefits	NanoCT high resolution	Report Price quality	Versatile precision	Maximum flexibility	
Maximum size scanning (h x ø)	250 x 240 mm	420 x 400 mm	400 x 420 mm	600 x 900 mm	1250 x 1300 mm
Maximum size of the sample	3 Kg	10 Kg	50 Kg	50 Kg	100 Kg
Detectability maximum	0,2 μm	1 μm / 0,2 μm Nano CT	1 μm / 0,2 μm Nano CT	0,2 μm	1 μm





Our services



Maintenance of gammagraphy devices

Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod

Radiation protection assistance & advice

Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod





Provision of Level III NDT inspectors

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Specific supply

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equipements d'inspection



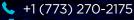
QSA GLOBAL.











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