

# PIONEERING TECHNOLOGY FOR INDUSTRIES

— PRODUCT GUIDE —



2025

**SIGMA ENTERPRISES**

YOUR LOCAL PARTNER FOR GLOBAL TECHNOLOGY SOLUTION



A MAZRUI INTERNATIONAL COMPANY

# SIGMA OVER THE YEARS

## COMPANY PROFILE

**Sigma Enterprises** is a leading distributor and service provider of a wide range of innovative and cutting-edge scientific and engineering technologies across the UAE and GCC. We are proud to be an **ISO 9001:2015** certified company and hold an **In-Country Value (ICV) certificate**, reinforcing our commitment to quality, compliance, and national economic growth.

With a strong focus on progress, representing more than 45 globally renowned engineering brands and delivering to over 1,000 clients across the UAE and GCC, we continue to expand our portfolio, introducing new segments and catering to a wider spectrum of industries.

PRESENT

Established the SIGMA Application Excellence Centre, expanding our service and application centre to enhance customer support and solution delivery.

2025

SIGMA along with three other groups formed the Mazrui Trading Sector Companies whose primary business focus is on import, distribution, and marketing.

2016

2022

Successfully launched Evident Olympus Regional Service Centre at Sigma facility and officially inaugurated revamped SIGMA Service Centre dedicated to be the authorized service provider in the UAE and GCC region for all brands in our portfolio.



Mr. Abdullah Mohammed Al Mazrui founded the Mazrui Engineering Products with major focus on Construction and Building materials business.

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Regrouping of Mazrui Engineering Products and formation of SIGMA Enterprises in Dubai under the Mazrui Group.

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1972

2001

Founding of the Mazrui Group Holding company with expansion of operating business into oil & gas fields services, energy services, retail, healthcare and education.

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2006

2008

Establishing of SIGMA headquarters in Dubai Investments Park 1 with a fully functional management office, sales office, training center, logistics center and service center.

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As a part of **Mazrui International**, one of the UAE's most respected and diversified business conglomerates, Sigma benefits from a strong foundation of trust, integrity, and excellence. We proudly represent more than **45 world leading engineering brands** from America, Europe, and Asia many of whom we have partnered with for over a decade. Over the years, we have built strong, long-term relationships with our suppliers, enabling us to provide the best solutions to over **1,000 clients across diverse industries** in the region positioning us as **pioneers in the engineering and technology industry**.



OUR  
**TEAM**



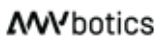
# ROBOTICS, DRONES & SPATIAL INTELLIGENCE

Sigma's Robotics, Drones & Spatial Intelligence solutions empower industries with advanced technologies that transform inspection, surveying, and asset management. Our portfolio integrates Autonomous Robotic Inspection, AI-driven Analytics, Aerial Surveying, High-precision Mapping, Laser Scanning, Drone-based UT, Thermal, Gas and Radiation Inspection, as well as Digital Twin creation. These innovations deliver unmatched accuracy, efficiency, and spatial intelligence across complex industrial environments.



## SOLUTION CATEGORIES

- Autonomous Robotic Inspection 11
- Artificial Intelligence (AI) 11
- Drone Inspection - UT/ Thermal/ Gas/ RAD 12
- Surveying & Mapping Drones 12
- Laser Scanning & Digital Twin 12
- Road Profiler 12





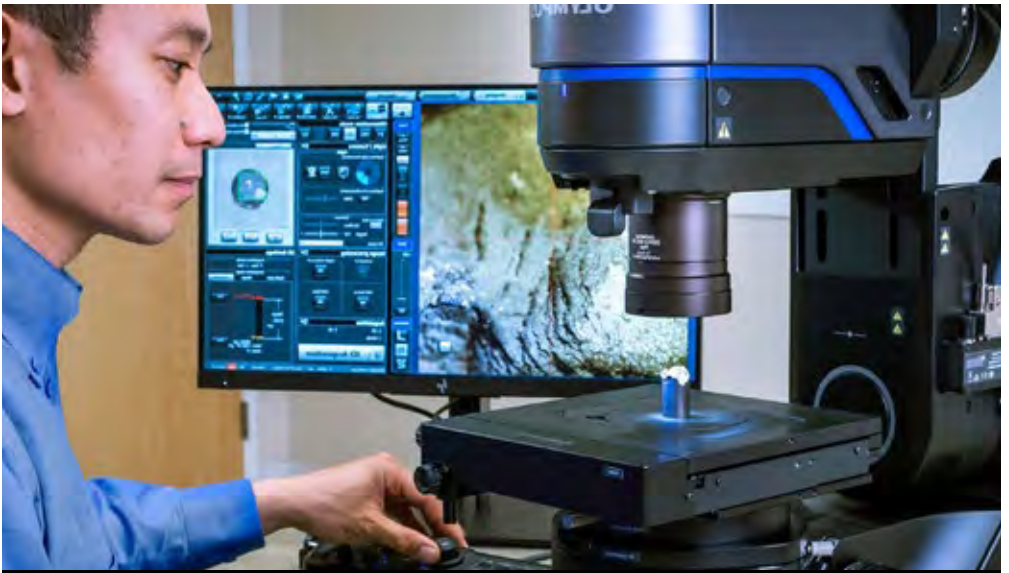
# NON DESTRUCTIVE TESTING

Sigma's Non-Destructive Testing (NDT) segment delivers precision and reliability through advanced inspection technologies. Our comprehensive portfolio covers Ultrasonic and Phased Array Inspection, Eddy Current and Acoustic Testing, Automated Inspection Systems, Elemental Analysis, as well as Coating and Concrete Inspection. These solutions ensure structural integrity, optimize material performance, and safeguard assets without compromise.

## SOLUTION CATEGORIES

- Ultrasonic & Phased Array Inspection 13
- Eddy current Inspection 13
- Acoustic Inspection 14
- Elemental Analysis 16
- Coating Inspection 17
- Concrete Inspection 18





# MATERIAL SCIENCE & CIVIL TESTING

Sigma's Material Science & Civil Testing division drives automation, precision, and performance in materials testing, imaging, and analysis. Our portfolio spans Sample Preparation, Hardness Testing, Advanced Microscopy and Imaging, TEM/ SEM Preparation and Accessories, Metrology and 3D Scanning, as well as Physical Strength Testing and specialized systems for Drilling Fluid and Civil Materials Evaluation. In this way we empower industries with reliable, data-driven insights that shape innovation and progress.



## SOLUTION CATEGORIES

- Sample Preparation & Hardness Testing 19
- TEM/ SEM Preparation & Accessories 21
- Advanced Microscopy & Imaging 22
- Physical Strength Testing 24
- Metrology & 3D Scanning 26
- Drilling Fluid & Civil Materials Testing 28



# GEOMATICS & UTILITY INSPECTION

Sigma's Geomatics & Utility Inspection segment empowers professionals with advanced technologies to map, monitor, and maintain critical assets with precision and reliability. Our portfolio includes cutting-edge Field Surveying and GNSS systems, Scanning & Monitoring solutions, Cable and Pipe Locators, Ground Penetrating Radar (GPR), and Pipeline Inspection technologies. By delivering accurate insights, we enable smarter decision-making, enhance safety, and support efficient infrastructure management across the region.



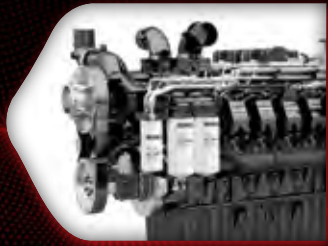
## SOLUTION CATEGORIES

- Field Surveying 30
- GNSS Systems 30
- Scanning & Monitoring 30
- Cable and Pipe Locators 31
- Ground Penetrating Radar (GPR) 31
- Pipeline Inspection 31



# CONSTRUCTION TECHNOLOGY & INDUSTRIAL SAFETY

Sigma's Construction & Industrial Safety Division delivers advanced solutions for Surface Preparation, Light Construction Machinery, Dewatering Systems, Welding & Fume Extraction, Machine Guarding, and General Laboratory tools - supporting safe, efficient, and high-performance operations across industrial and construction environments.



## SOLUTION CATEGORIES

- Machine Guarding & Industrial Safety 32
- Concrete Surface Preparation 33
- Light Construction Machinery and Tools 33
- Dewatering Pumps and Diesel Engines 33
- Welding & Fume Extraction 33
- General Laboratory 34





## SIGMA SERVICE CENTER



SIGMA's Service & Calibration Division is dedicated to ensuring the accuracy, reliability, and longevity of critical instruments and technologies that we supply. Equipped with state-of-the-art facilities and certified expertise, we provide comprehensive calibration, repair, maintenance, certified training and product technical support. Our commitment to precision and quality assurance enables industries to achieve consistent performance, compliance, and trust in every measurement.

We support a wide range of solutions including:

- › NDT Equipment
- › Material Science and Civil Testing Systems
- › Robotics & Drone Solutions
- › Surveying Instruments
- › Construction Machine & Engine Services
- › Application & Training

# ROBOTICS & DRONES INSPECTION



**AUTONOMOUS ROBOTIC INSPECTION**



**ROBOTIC INSPECTION - EX PROOF**



**ROBOTIC CRAWLER INSPECTION**



**ROBOTIC PIPE INSPECTION**



**INDOOR UT INSPECTION DRONE**



**REMOTE UT INSPECTION DRONE**

# SPATIAL INTELLIGENCE SOLUTIONS



**wingtra**

**AERIAL MAPPING DRONE -  
PHOTOGRAMMETRY**

This image shows an orange Wingtra RT1000 drone with a camera mounted on the front. The drone is shown from a side profile, highlighting its large propellers and camera housing.



**wingtra**

**AERIAL MAPPING DRONE -  
LIDAR**

This image shows an orange Wingtra RT1000 drone with a LiDAR sensor mounted on the front. A monitor in the background displays a 3D point cloud map of a landscape.



**NavVis**

**WEARABLE MOBILE  
MAPPING SYSTEM**


A person wearing a yellow high-visibility safety vest is shown wearing a white, hood-like mobile mapping system. The system has a camera and sensors mounted on top of the hood.



**TOPCON**

**TERRESTRIAL LASER  
SCANNER**

A yellow and grey Topcon SL-100 terrestrial laser scanner is shown. It has a large lens and a sensor housing on a tripod base.



**3DT scanfly**  
The world, digitally twinnecc

**VEHICLE MOUNTED  
MOBILE MAPPER**

A 3DT scanfly mobile mapper is mounted on the roof of a blue car. The device has a camera and sensors on a red and black frame.



**Xenomatrix**  
True solid state lidar

**VEHICLE MOUNTED  
ROAD PROFILER**

A Xenomatrix road profiler is mounted on the roof of a blue car. It features a white sensor housing and a camera on a black frame.

# NDT INSPECTION



**EVIDENT**

**ULTRASONIC THICKNESS GAUGES**

This image shows a rugged, handheld ultrasonic thickness gauge. It has a black body with a color LCD screen and a keypad. A probe is attached to the side via a cable. The EVIDENT logo is in the top right corner.



**EVIDENT**

**HALL EFFECT THICKNESS GAUGES**

This image shows a rugged, handheld hall effect thickness gauge. It has a blue protective case and a color LCD screen displaying the number '0.010'. A probe is attached to the side via a cable. The EVIDENT logo is in the top right corner.



**EVIDENT**

**BOND TESTING**

This image shows a rugged, handheld bond testing device. It has a blue protective case and a color LCD screen displaying a waveform. A probe is attached to the side via a cable. The EVIDENT logo is in the top right corner.



**EVIDENT**

**ULTRASONIC FLAW DETECTORS**

This image shows a rugged, handheld ultrasonic flaw detector. It has a blue protective case and a color LCD screen displaying a waveform. A probe is attached to the side via a cable. The EVIDENT logo is in the top right corner.



**EVIDENT**

**EDDY CURRENT FLAW DETECTORS**

This image shows a rugged, handheld eddy current flaw detector. It has a blue protective case and a color LCD screen displaying a waveform. A probe is attached to the side via a cable. The EVIDENT logo is in the top right corner.



**EVIDENT**

**PHASED ARRAY FLAW DETECTORS**

This image shows a rugged, handheld phased array flaw detector. It has a blue protective case and a color LCD screen displaying a waveform. A probe is attached to the side via a cable. The EVIDENT logo is in the top right corner.

# NDT INSPECTION



**MFE** INSPECTION SOLUTIONS

**TANK FLOOR INSPECTION**



**Sorama**

**ACOUSTIC CAMERA FOR LEAK DETECTION**



**VIDISCO**

**DIGITAL RADIOGRAPHY**



**VIDISCO**

**NDT SLIDER FOR FIELD TESTING**



**CREAFORM** / UNICOR

**PIPELINE INSPECTION SCANNER**



**Mare Custos**

**ROV WITH UT INSPECTION**

# INDUSTRIAL SCANNERS



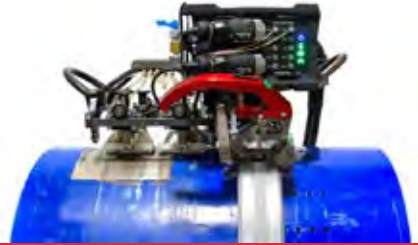
# AUTOMATED INSPECTION SYSTEMS

EVIDENT



NDT SYSTEMS  
INSTRUMENTATION

EVIDENT



AUTOMATED GIRTH WELD INSPECTION  
SYSTEMS (PIPEWIZARD)

# ELEMENTAL ANALYSIS

EVIDENT



PORTABLE XRF ANALYZER

EVIDENT



HANDHELD XRF ANALYZER

belec



PORTABLE OPTICAL EMISSION  
SPECTROMETER (OES)

belec



LABORATORY OPTICAL EMISSION  
SPECTROMETER (OES)

# COATING INSPECTION



**DUALSCOPE COATING THICKNESS GAUGE**



**DUPLEX COATING THICKNESS GAUGE**



**POCKET SIZE COATING THICKNESS GAUGE**



**BENCHTOP XRF FOR COATING AND MATERIAL ANALYSIS**



**FERRITE CONTENT MEASUREMENT**



**ELECTRICAL CONDUCTIVITY MEASUREMENT**

# COATING INSPECTION



**NANO INDENTATION &  
SCRATCH TESTING**



**CYCLIC CORROSION  
TEST CHAMBERS**

# CONCRETE NDT



**GROUND PENETRATING RADAR**



**ROBOTIC CRAWLER**



**PROFOMETER &  
COVER METER**



**REBOUND HAMMER**

# MATERIALOGRAPHIC SURFACE PREPARATION & ANALYSIS



**AUTOMATED ABRASIVE  
CUTTING**



**PRECISION CUTTING**



**MOUNTING**



**GRINDING & POLISHING**



**FULLY AUTOMATIC  
GRINDING & POLISHING**



**ULTRASONIC CLEANING**

# MATERIALOGRAPHIC SURFACE PREPARATION & ANALYSIS



**ELECTROLYTIC PREPARATION**



**MINERALOGY & THIN SECTIONING**



**ON-SITE MATERIALOGRAPHY/ REPLICA**



**STRUCTURE EXPERT WELD**

# HARDNESS TESTING



**FULLY AUTOMATIC MICRO/ MACRO HARDNESS TESTERS**



**UNIVERSAL HARDNESS TESTERS**

# TEM/ SEM PREPARATION & ACCESSORIES



The image shows a Gatan Dual Beam specimen preparation machine on the left and a high-magnification TEM image of a material's atomic lattice on the right. The Gatan and EDAX logos are in the top right corner.

**TEM & SEM SPECIMEN PREPARATION**



The image shows a TEM specimen holder on the left and a TEM image of a specimen with several dark spots on a light background on the right. The Gatan and EDAX logos are in the top right corner.

**TEM SPECIMEN HOLDERS**



The image shows a Gatan Dual Beam specimen preparation machine on the left and a TEM image of a specimen with several dark spots on a light background on the right. The Gatan and EDAX logos are in the top right corner.

**TEM & SEM IMAGING & SPECTROSCOPY**



The image shows a Gatan Dual Beam specimen preparation machine on the left and a 3D reconstruction of a specimen on the right. The Gatan and EDAX logos are in the top right corner.

**TEM & SEM ANALYSIS**



The image shows a Gatan Dual Beam specimen preparation machine on the left and a Gatan EDAX EDS system on the right. The Gatan and EDAX logos are in the top right corner.

**EDAX ELEMENT EDS SYSTEM**



The image shows a Gatan Dual Beam specimen preparation machine on the left and a cathodoluminescence image of a specimen on the right. The Gatan and EDAX logos are in the top right corner.

**CATHODOLUMINESCENCE**

# MICROSCOPY

**EVIDENT**



**STEREO MICROSCOPE**

**EVIDENT**



**UPRIGHT MICROSCOPE**

**EVIDENT**



**INVERTED METALLURGICAL MICROSCOPE**

**EVIDENT**



**MEASURING MICROSCOPE**

**EVIDENT**



**DIGITAL MICROSCOPE**

**EVIDENT**



**LASER CONFOCAL MICROSCOPE**

# MICROSCOPY



**EVIDENT**

CLEANLINESS INSPECTION SYSTEM

The image shows a microscope system with a large monitor displaying a microscopic view of a surface. Several circular components, likely lenses or filters, are arranged in a row in front of the monitor. The Evident logo is in the top right corner.



**OXFORD INSTRUMENTS** WITec

COMBINED CONFOCAL RAMAN/AFM/ SNOM MICROSCOPE

The image shows a large, complex microscope system with a vertical column and a base. The Oxford Instruments WITec logo is in the top right corner.



**OXFORD INSTRUMENTS** WITec

CORRELATIVE RAMAN IMAGING & SEM

The image shows a large, white, boxy instrument with a smaller, grey, boxy instrument attached to its side. The Oxford Instruments WITec logo is in the top right corner.



**OXFORD INSTRUMENTS** WITec

MOBILE RAMAN SYSTEM

The image shows a laptop computer with a microscope system attached to it. The Oxford Instruments WITec logo is in the top right corner.



**OXFORD INSTRUMENTS** WITec

SCANNING PROBE MICROSCOPES

The image shows a microscope system with a vertical column and a base. The Oxford Instruments WITec logo is in the top right corner.



**NANOANDMORE GMBH**  
The World of Scanning Probes and More

AFM PROBES

The image shows a close-up of a probe tip with a green band. The NANOANDMORE GMBH logo is in the top right corner.

# PHYSICAL STRENGTH TESTING



**INSTRON**

**STATIC HYDRAULIC  
UNIVERSAL TESTING SYSTEMS**



**INSTRON**

**ELECTRO- MECHANICAL  
UNIVERSAL TESTING SYSTEMS**



**INSTRON**

**DYNAMIC & FATIGUE  
TESTING SYSTEMS**



**INSTRON**

**MOTORIZED PENDULUM  
IMPACT TESTING SYSTEMS**

# PLASTIC & POLYMER TESTING



**INSTRON**

**DROP WEIGHT IMPACT TESTERS**



**INSTRON**

**RHEOMETERS &  
MELT FLOW TESTERS**

## PLASTIC & POLYMER TESTING

 INSTRON



**THERMO MECHANICAL SYSTEMS -  
HDT/ VICAT**

 INSTRON



**TORSION TESTERS**

## HIGH SPEED CAMERA

 SPECIALISED  
IMAGING



**HIGH SPEED  
CAMERA SYSTEM**

 SPECIALISED  
IMAGING



**HIGH SPEED LINEAR  
TRACKER SYSTEM**

## POROMETERS

 PORETECH



**ULTRA NANO  
POROMETER**

 PORETECH



**PERMEABILITY TESTER**

# METROLOGY & 3D SCANNING



Peel 3D™  
CREAFORM / AMETEK

ENTRY LEVEL 3D LASER SCANNERS



CREAFORM / AMETEK

HANDHELD 3D SCANNERS



CREAFORM / AMETEK

OPTICAL CMM  
3D SCANNERS



baty

VIDEO MEASURING  
SYSTEM (VMS)



baty

PROFILE PROJECTOR



Mahr

SURFACE ROUGHNESS/  
CONTOUR TESTER

# METROLOGY & 3D SCANNING

Mahr



HANDHELD GAUGES

Mahr



UNIVERSAL MEASURING INSTRUMENTS

Mahr



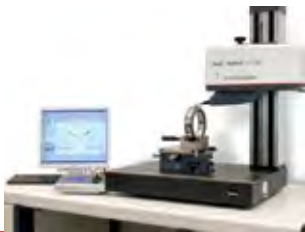
HEIGHT GAUGES 1D/ 2D

Mahr



MOBILE ROUGHNESS TESTER

Mahr



FORM METROLOGY

Mahr



MEASURING STATION

# CIVIL MATERIALS TESTING



**CONCRETE & CEMENT  
COMPRESSION MACHINE**



**AUTO SOILS  
CONSOLIDATOR**



**DYNAMIC TRIAXIAL  
SYSTEM**



**PERMEABILITY SYSTEM**



**CONCRETE PAN MIXER**



**NCAT ASPHALT  
IGNITION OVEN**

# DRILLING FLUID & OIL WELL CEMENT TESTING

fann®



MUD BALANCE

fann®



RHEOMETER

fann®



AUTOMATIC VISCOMETER

fann®



AUTO CALCIMETER

fann®



HPHT FILTER PASS

fann®



HPHT DUAL CELL  
CONSISTOMETER

# SURVEYING INSTRUMENTS

SOKKIA



INDUSTRIAL MONITORING & MEASUREMENT

NAVVIS



HANDHELD MOBILE MAPPING SYSTEM

TOPCON



SCANNING ROBOTIC TOTAL STATION

SOKKIA



ROBOTIC TOTAL STATION

SOKKIA



MANUAL TOTAL STATION

SOKKIA



GNSS RECEIVERS

# UTILITY LOCATION & INSPECTION

**SENSORS & SOFTWARE®**  
from **RADIODETECTION**



**GROUND PENETRATING RADAR**

**RADIODETECTION**



**PIPELINE INTEGRITY & CORROSION CONTROL**

**RADIODETECTION**



**PRECISION LOCATOR**

**PEARPOINT**



**PIPELINE INSPECTION**

**nexis**



**VERTICAL INSPECTION**

**Sorama**



**ACOUSTIC CAMERA FOR PARTIAL DISCHARGE DETECTION**

# MACHINE GUARDING



**MODULAR MACHINE GUARDING SYSTEMS**



**SAFETY FENCING SOLUTIONS**



**INDUSTRIAL PROTECTION SYSTEMS**



**AUTOMATED PRODUCTION SAFETY SOLUTIONS**



**WAREHOUSE PARTITIONING**



**ACTIVE SAFETY**

## CONSTRUCTION MACHINERY



SURFACE PREPARATION



CUTTING MACHINE

## POWER GENERATION



POWER ENGINE



DEWATERING PUMP

## WELDING & FUME EXTRACTION



WELDING MACHINES & CONSUMABLES



FUME EXTRACTION SYSTEMS

# GENERAL LABORATORY



**OVEN & INCUBATORS**



**CLIMATE CHAMBER**



**SIEVES & SIEVE SHAKERS**



**THERMOMETERS**



**THIN FILM OVEN**



**LAB FURNITURE**

# SERVICE AND CALIBRATION



**NDT EQUIPMENT**



**MATERIAL SCIENCE SYSTEMS**



**ROBOTIC & DRONE SOLUTIONS**



**SURVEYING INSTRUMENTS**



**CONSTRUCTION  
TECHNOLOGY & ENGINES**



**APPLICATION &  
TRAINING CENTRE**



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SERVICE CENTRE 

