



Trio Middle East Trading L.L.C



GENERAL CATALOG

Catalog

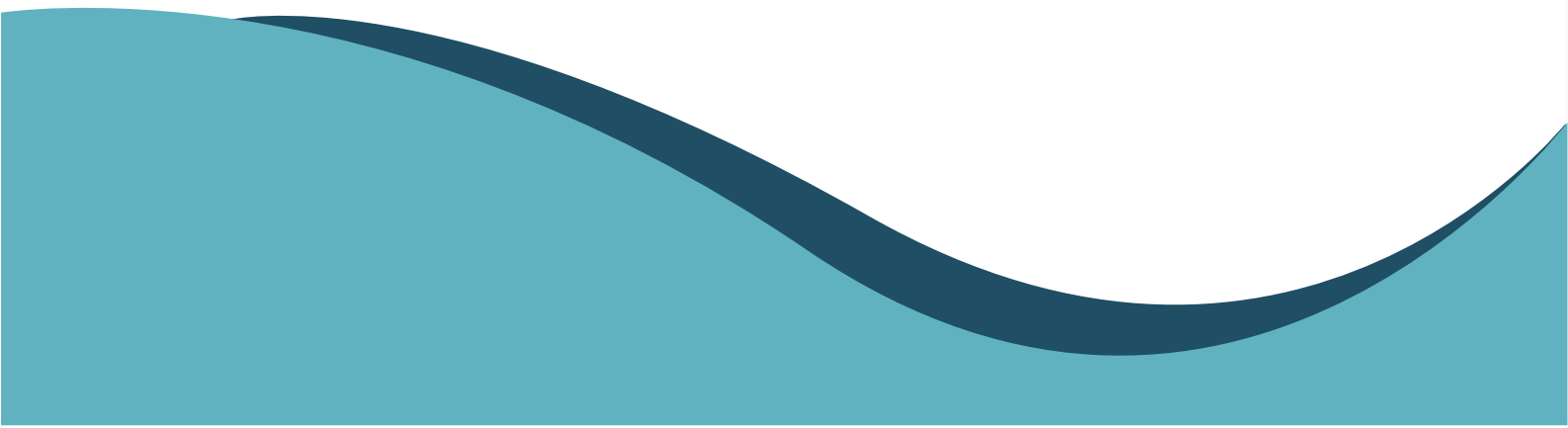


Website



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TRIO MIDDLE EAST TRADING COMPANY

WELCOME

TrioMiddleEast TradingCompany is the sole representative for many international companies in civil, mechanical, water and material testing equipment in the Middle East. The lines of products include equipment and supplies for testing of Aggregates, Concrete, Steel, Soil, Water Quality, foam, tanks, cans, paint, and all material testing, Coring Machines, Asphalt Cutters and Hydraulic machines, Steel Processing Machinery, Reinforcement & Construction Machinery and Survey equipment. We also offer non-destructive testing equipment and various lab essentials. We have an office in UAE to cover UAE, Kuwait, and African markets, we have resellers in Iraq and Saudi Arabia, and we have an office also in Jordan under the name of Middle East Technology Company, So we can cover all Middle Eastern countries.



GM MESSAGE

GM Message

On behalf of Trio Middle East Trading LLC (TMT) and the Company staff, it gives me a great pleasure to introduce this short company profile.

Trio Middle East Trading Company (TMT) was established in Dubai in 2009 to serve the construction industry in the UAE through the supply and support of high quality materials testing equipment. Based on the strong background experience of its staff, Trio succeeded in winning the confidence of many of the world's best known manufacturers of Materials Testing Equipment and quickly became their business partner in the UAE.

The ultimate goal of TMT is to become a leading and credible source of Total Testing Solutions for the construction industry in the UAE. It is committed to guaranteeing the supply of high quality testing products backed by a professional support designed to satisfy the needs of all potential customers. TMT is also committed to introducing state-of-the-art testing technologies by keeping abreast with the latest output of R&D in its field of specialty.

I want to assure all clients that we have great value for your business partnership and will continue to work hard to make your business experience with our company a rewarding enterprise that meets your satisfaction and promises to keep pace with your future aspirations.

OUR MISSION



OUR MISSION

Customer Care is Our Starting Point

Trio Middle East Trading Company endeavors to take a distinctive leading position among engineering and scientific suppliers through emphasizing on:

Achieving the highest measures of business morality.

Working in one team spirit through emphasizing the principle of cooperation, loyalty and devotion.

Approaching all potential customers through a network of branches and resellers.

Offering distinguished service based on quick delivery of quality product with reasonable prices and reliable support.



SERVICES



Technical Support

Providing support and technical assistance throughout all the phases of the relationship with our customers is our competitive advantage.



Surveying Equipments calibration and support

Our Partnership does not end with our equipments had been purchased and installed. Our Partnership begins here. Therefore, our experienced service and support team makes sure and committed to meet our customers' needs from training, calibration, Support and repair needs.



Calibration and Restoration For Old Frames

We service, restore and calibrate all models of Lab testing equipment. Restoration your old load frames with new high tech technology digital controllers & data loggers is one of our specialties. We can sign yearly serves contracts to be relaxed that nothing will delay your work by our frequent checking visits



Calibration and support for Construction Lasers

TMT is one of the first companies in the Middle East have a specialized kit to calibrate Construction Lasers (Cross lasers, rotating lasers and dot lasers)

MATEST S.p.A.



Civil Engineering Testing Equipment. Matest is the world leading manufacturer of material testing equipment for the construction industry. We offer advanced solutions for on site and laboratory tests on concrete, cement, mortar, bitumen, asphalt, soil, aggregates, rocks, and steel, representing the ideal partner for anyone working in building and civil engineering industries.



Gyratory compactor



**Bitumen content
furnace by ignition method**



**Digital Concrete Test
Hammer**



Compression Testing



Vicatronic



Troxler Electronic Lab



Since 1958, Troxler has been dedicated to developing, manufacturing, and servicing precision quality control measurement equipment, including nuclear gauges, gyratory compactors and asphalt ignition ovens.



EGauge Combo



Gyratory Compactors



NTO Ignition Oven



ICO NCAT Oven



PaveTraker



Nuclear surface gauge



Gilson Company, INC.



Why Gilson? Integrity, Customer Service, Quality, Innovation, Selection, Expertise and Price. Why not Gilson! We are proud that in our 4th generation of family ownership, and after more than 70 years of service to our industry, our company has grown, but our core values have never changed. We still treat our customers as we always have, helping find the best solutions to their problems, even when it means pointing them in a different direction. We know they will be back, because that's how we want to be treated.



Sieve Shaker



Sample Splitter



Digital Muffle Furnace



Universal Multispeed Load Frame



Rolling Thin Film Oven



Air Entrainment Meter

SAMPLING AND SAMPLE PREPARATION



Table Saw



Core Machine



XRF analyzers



**CORE DRILLING
MACHINE**



**Fully Automatic PLC
controlled metallographic
cutting machine**



**MAXICUT-65
Automatic metallographic
cutting machine**



Diamond Saw Blade

geo-FENNEL GmbH



geo-FENNEL – a valued name in the world of surveying Laser measuring technology and surveying equipment Located in Hesse/Germany we are a mid-sized company which has gained a good reputation as a supplier for laser measuring technology and surveying equipment. Today we are in the front row when users ask for laser measuring devices. Our products are recognised all over the world and we currently deliver them to more than 60 countries regularly. Our indispensable company philosophy is to provide our customers with innovative, precise and reliable products and to offer first class service. High quality, a good and fair price-performance ratio as well as fast delivery count among our principles. Our cooperative partnership with our customers is essential for us and our international orientation is a main strategy. Our long experience has convinced customers for many years now.



GPS



360 Line Laser



Cross & Line Lasers



IR Thermometer



Total Station



Environmental Instruments



NDT James Instruments Inc.



James Instruments Inc. specialises in Non-Destructive Testing equipment for concrete and other construction materials. Central to the improvement of the construction infrastructure are tools that evaluate the condition of existing construction. Destructive and Non- Destructive Testing (NDT) techniques are applied. Destructive tests can provide direct information, but are relatively expensive, time-consuming and cause damage to the structure. Destructive test results often cannot be evaluated using statistical approaches because the number of locations in the structure that can be tested without damage to the structure is limited. On the other hand, Non-Destructive Testing (NDT) techniques are relatively inexpensive to apply, and they can detect, localize, and characterize flaws and damage in concrete, wood and other construction material structures without leaving any undesirable discontinuities or causing damage to concrete members.



**CHLORIMETER™ CHLORIDE
FIELD TEST SYSTEM**



**V-METER MK IV™ ULTRASONIC
PULSE VELOCITY SYSTEM**



OHMCORR TEST SYSTEM™



Rebarscope



Aggrameter



**COR-MAP II® ADVANCED
HALF CELL POTENTIAL SYSTEM**

ROAD TESTING EQUIPMENT

Road & Transport Testing Equipment. The Systems Division has been developing innovative road, traffic and transport products for over 25 years. During this time we have gained a world- wide reputation for the delivery of quality products designed to address the specific needs of our users.



**MFV - Multi
Functional Vehicle**



**RSP III-Road
Surface Profiler MK III**



**RSP IV - Road Surface
Profiler MK IV**



**ROCKWELL
HARDNESS TESTERS**



**Fast Falling Weight
Defletometer**



Walking Profiler



Pavement Friction Tester



**PAVEMENT MARKING
RETROREFLECTOMETER**



**GripTester MK2 for
Highways**



**ROAD STUDS
RETROREFLECTOMETER**





RHEOTEST Medingen GmbH

Manufacturer of Viscometers and Rheometers for application in laboratory and production
In Medingen, Viscometers and Rheometers for the application in laboratory and process are developed, manufactured, worldwide sold and maintained since more than 80 years.



Rheotest DSR



Viscometer



Baustoff Rheometer



viscometer



Rotational Viscometer

PAINT TESTING



Thermtest Instruments



Thermtest has been advancing the measurement of thermal conductivity, thermal diffusivity and specific heat for 10 years. Our unique combination of advanced laboratory thermal conductivity instrumentation, portable meters and corresponding accessories, enable us to offer testing solutions to fit most any type of sample, testing application or budget. Our highest priority is placed on matching the best testing solution to the application.



Portable thermal conductivity test



Desktop thermal conductivity test



**Transient Hot-Wire
(THW-L1)**



**Transient Line Source
(TLS-100)**



HEAT FLOW METER

PRODUCTS



High-end brands of domestic colorimeter



NR110 Precision Colorimeter



NR20XE Precision Colorimeter



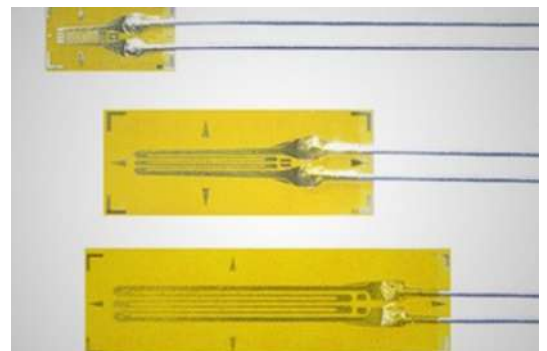
T5 Optical Emission Spectrometer



NR60CP Colorimeter



Data Loggers



High and low temperature strain gauge

GENERAL EQUIPMENT



**Horizontal Drying
Oven**



Gurmeet Moulds



Sieve Shakers



Digital caliper



Slump cone



**Four Channels Datalogger
Thermometer**



Digital Pull-off



Air Content Meter



Balance

RS RHOOTHBUCHER SYSTEME



It all started in 1997 with the Smart Datum Markers which have now been sold in their millions.

Foremen, site managers and architects used to complain about problems with surveyed levels. Georg Rothbucher developed the markers in close collaboration with them.

Over the years, again in close collaboration with site managers, architects and surveyors, an overall concept was developed for all survey points on site.



RS5



RS2

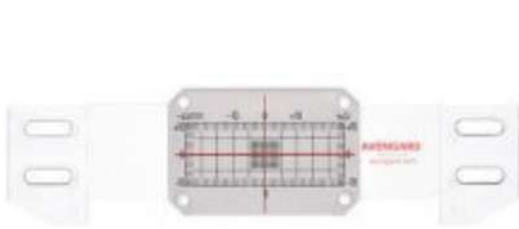


RS4

Avongard Ltd

AVONGARD®

Avongard was formed in 1976. The joint founder of the company and now the Technical Director is a Chartered Structural and Civil Engineer and Chartered Surveyor. He recognised there was a need for a simple but reliable calibrated gauge for the monitoring of cracks. Prior to that time only crude qualitative methods or high precision high- resolution instruments were available. The Tell-Tales (generic name for crack gauges) supplied by Avongard Ltd are the original and genuine product.



Plus Tell-Tale



**Crack Movement
Recorder Kit**



Corner Tell-Tale



Crack Microscope



Displacement Tell-Tale

STEEL MACHINES



UNIVERSAL FRAMES



HYDRAULIC UNIVERSAL



DIGITAL UNIVERSAL TESTING



ELECTRONIC EXTENSOMETERS



Universal educational testing



Universal automatic tensile



Cold bend



MARKING-OFF



Virtual Reality for **Civil Engineering**



Virtual Reality for Civil Engineering Materials Testing

By TRIO – Advanced VR Training Solutions

Step into the future of civil engineering with TRIO's state-of-the-art Virtual Reality simulations. Designed for engineers, researchers, students, and training institutions, our immersive modules replicate real-world laboratory tests in a safe, interactive, and cost-efficient environment.

1. VR **Concrete** Testing (1 Experience)

Step into the future of concrete testing with TRIO's Virtual Laboratory .

In our VR environment, engineers and students can:

- **Conduct Concrete** Experiments Virtually

Simulate mixing, curing, and strength assessments of concrete without the need for physical samples.

- **Visualize the Entire Process**

Explore the concrete lifecycle—from mixing to setting to strength evaluation—in immersive 3D.

- **Evaluate Performance in Real-Time**

Interact with and assess concrete's durability and structural integrity under various simulated conditions.



Key Benefits:

- Safe, hazard-free training.
- Repeatable and consistent test results.
- Ideal for academic, research, and professional training environments.

2. VR Asphalt Testing (4 Experiences)



1. Gyratory Mix Design Test

Key Benefits:

Understanding asphalt mixture properties and evaluating its stability and performance.

Test starts with sieving oven-dried aggregates using a mechanical shaker, then weighing the correct amount for a Marshall sample. The aggregates, asphalt, and mixture are heated in an oven before adding bitumen from a storage tank. An asphalt mixer blends the materials, and the mixture is compacted with a gyratory compactor. The compacted sample is then extruded from the mold, weighed using a buoyancy balance, and conditioned in a water bath. Finally, the sample is tested with the Gyratory Stability UTM to assess its strength and performance. (10 machines)



2. Dynamic Shear Rheometer (DSR) Test

Key Benefits:

Measuring asphalt binder's elasticity and resistance to deformation

The DSR test process begins by preparing specimens in a silicone mold, then placing them between 8-mm plates for testing PAV-conditioned material. The rheometer's zero gap level is set, and asphalt is poured into the silicone mold. Finally, any excess binder is trimmed from the specimen's edges using a heated trimming tool to ensure precise measurements.



3. Marshall Mix Design Test

Key Benefits:

Determining the strength, stability, and flow characteristics of asphalt samples.

The VR Asphalt Test begins by using a mechanical shaker to sieve oven-dried aggregates, followed by weighing the correct amount for a Marshall sample. The aggregates, asphalt, and mixture are heated in an oven, then bitumen is added from a storage tank. An asphalt mixer blends the materials, and the mixture is compacted using a Marshall compactor. The compacted sample is extruded from the mold, weighed using a buoyancy balance, and conditioned in a water bath. Finally, the sample undergoes testing with the Marshall Stability machine to evaluate its performance. (10 machines)



4. Polymer Modified Bitumen (PMB)

Key Benefits:

Assessing improved durability, flexibility, and temperature resistance of modified bitumen.

The Polymer Modified Bitumen Test uses several key devices. The **Bending Beam Rheometer** heats, molds, casts, prepares, and tests the asphalt sample. The **Pressure Ageing Vessel** preheats the mold, places the sample, and starts the ageing process. The **Rotational Viscometer** holds the sample in the RV mold with the correct mixing head. The **Rolling Thin Film Oven** weighs, heats, molds, and processes the sample, then extracts it with a special knife. The **Dynamic Shear Rheometer** transfers samples via silicone mold to 8 mm plates, sets the zero gap, pours asphalt, and trims excess binder with a heated trimmer. (5 machines)

3. VR Soil Testing (1 Experience)

Experience soil strength evaluation with precision and safety.

California Bearing Ratio (CBR) Test – Conduct the CBR procedure virtually to measure soil strength for road and pavement design. Users can prepare samples, apply loads, and record results in a fully immersive virtual lab.

Key Benefits:

- Realistic simulation of industry-standard equipment.
- Safe and sustainable training solution.
- Perfect for geotechnical engineers, students, and construction professionals.



Why Choose TMT VR?

- **Safe & Sustainable** – No hazardous handling or material waste.
- **Highly Realistic** – Accurate 3D modeling and true-to-life procedures.
- **Customizable Modules** – Tailored to meet training needs and curricula.
- **Cost-Effective** – Lower operational costs, higher training efficiency.





T.M.T

Trio Middle East Trading L.L.C

THANK YOU



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