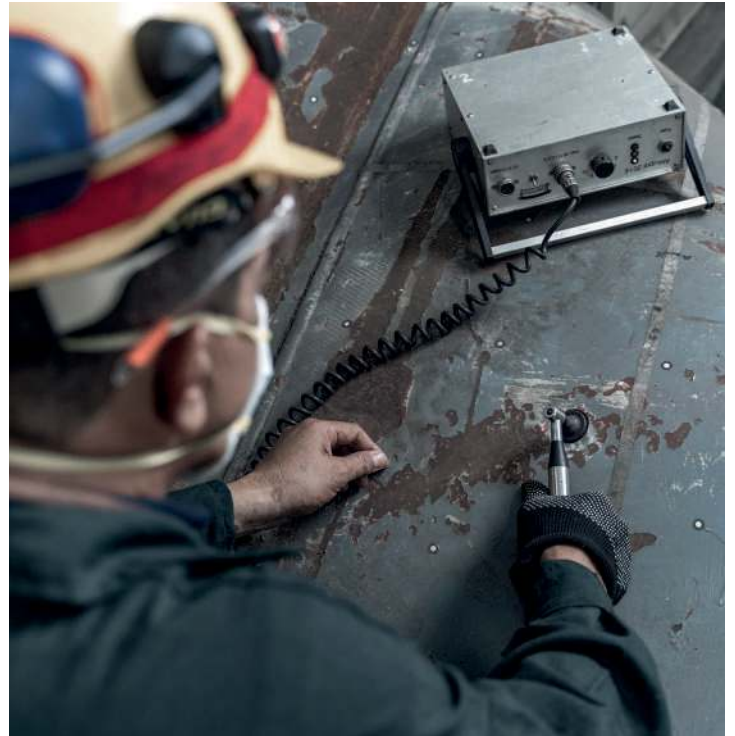


MATERIALS INTEGRITY

TESTING

Ensuring product integrity is our priority



At SIRIM QAS, we provide

third-party and independent materials integrity testing services related to metallic materials and products, proof load test on lifting devices and failure investigation. Our failure investigation services which specialises in metallic materials is highly recognised by industries in oil and gas, power generation, petrochemical, oil palm, marine and automotive.

Scope of Services

- Anchor Bolt
- Bend Test of Steel Products
- Ceiling Suspension System
- Channel/ Angle/ Sheet Pile/ Beam
- Charpy Impact Test of Steel Products
- Fatigue Test of Steel Bars
- Guardrail
- Manhole Cover
- Raised Access Floor
- Rockwell, Vickers, Brinell Hardness Test of Metallic Materials
- Roof Truss Components
- Salt Spray Test of Steel Products
- Self Drilling Screw
- Steel Wire Rod
- Steel/ Ductile Iron Pipes
- Tensile Test of Metallic Materials
- Cross Arm Performance Test
- Breaking Load Test of Steel Wire Ropes and PC Strand.
- Insulator and Conductor Fitting Test
- Ladder Test
- Low Relaxation of PC Strand
- Proof Load Test for Aviation, Marine, Oil & Gas, Port, Power Plant Industries - Slings, Spreader Beams, Engine Slings, Shackles etc.
- Failure Investigation Services - Specialise in Failure Analysis of Metallic Materials - Iron Base, Copper Base, Light Metals, Nickel and Cobalt Alloys.
- Laboratory Test - Material Analysis, Metallurgy, Coating Mass/Thickness and Corrosion Tests.
- On-site Jobs - Fire and Creep Damage Assessment of High-Temperature Plant Components, Hardness Test, On-site Replication/ Metallurgical Examination.
- Positive Materials Identification (PMI) - Analysis of a metallic alloy to establish composition and identify metal classification.

Testing Facilities

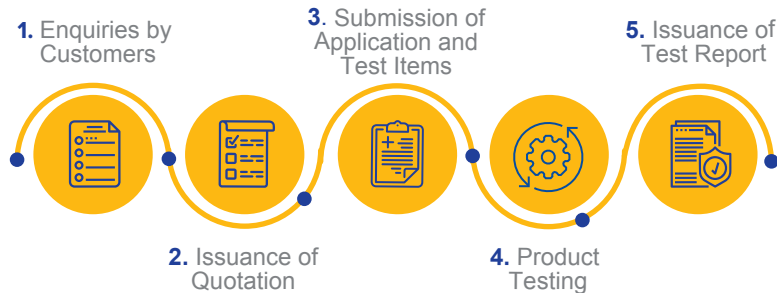
- Charpy Impact Tester Complete with Temperature Bath for Subzero Temperature
- Raised Access Floor Test Facilities
- Digital Microscope
- Horizontal Testing Machine (1000 kN)
- Inverted Metallurgical Microscope
- Low Relaxation Testing Machine
- Optical Emission Spectrometer
- Optical Microscope
- Portable Arc Spark Analyser

- Portable Hardness Tester
- Portable Microscope
- Rockwell, Vickers, Brinell Hardness Tester
- Salt Spray Chamber
- Scanning Electron Microscope with Energy Dispersive X-ray Capability
- Slow Bend Test for Rail
- Stereo Microscope
- Structural Test Frame
- Universal Testing Machines (200kN, 500kN, 2000 kN, and 3000 kN)
- X-ray Diffraction Spectrometer

Benefits

- Proof of safety, integrity, reliability and eco-friendliness of products and services.
- Provide an independent assurance of product conformity to standards and requirements, thus facilitates customers' acceptance.
- Improve market share and enhance brand reputation.

Application Process:



Why SIRIM QAS?



SIRIM QAS is an internationally recognised conformity assessment body with decades of experience in providing testing, inspection and certification services to both local and international customers.

We gained accreditation and recognition as International Test House from the Department of Standards Malaysia (STANDARDS MALAYSIA) under the National Laboratory Accreditation Scheme (SAMM) based on the requirements of ISO/IEC 17025. Our test report carries both SAMM and ILAC MRA logo.

We are also acknowledged as a regional leader in testing for metallic material/products. SIRIM QAS has a reputation for a high-volume, quick turnaround testing with fully integrated and state-of-the-art facilities. These accreditations and acknowledgement demonstrate the competent and experienced personnel to serve your needs through high-quality services to meet National and International standards.



For more information, contact us at:

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FMC 10122009 CB 02



MS ISO/IEC 17025
ACCREDITED LABORATORY
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SAMM NO.231 SAMM NO.240
SAMM NO.259 SAMM NO.377
SAMM NO.474 SAMM NO.754
SAMM NO.758



MS ISO/IEC 17020
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074



SIRIM QAS International is a member of:
THE INTERNATIONAL CERTIFICATION NETWORK