

TTS Industrial Solutions Pvt Ltd

Material Testing Labs | R&D | Engineering Solutions



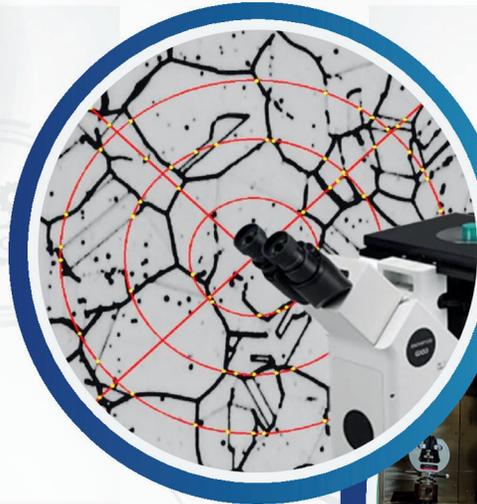
TC-16067



ACCREDITED BY
NABL & DGAQA
ISO/IEC 17025:2017

Our Testing Services & Industry Expertise:

- ✓ Advanced Mechanical & Metallurgical Testing's for industrial and research applications
- ✓ NABL & DGAQA Certified facility, ensuring the highest standards in testing and compliance
- ✓ Trusted by Leading Organizations including DRDO, CSIR aerospace companies, R&D centers, and manufacturing industries.



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TTS LABS



STATIC TESTING

Temperature Range -196°C to 1600°C

- Tensile Testing
- Compression Testing
- Flexural/ Bend Testing
- Impact Testing

FATIGUE TESTING

Temperature Range -196°C to 1600°C

- Low Cycle Fatigue Testing (LCF)
- High Cycle Fatigue Testing (HCF)
- Customized Fatigue Loading Testing

FRACTURE TESTING

Temperature Range -196°C to 1600°C

- Fatigue Crack Growth Rate (FCGR) Testing
- Linear-Elastic Plane-Strain Fracture Toughness - K_{1c} Testing
- Elasto-Plastic Fracture Toughness Testing- J_{1c} Testing

METALLURGICAL TESTING

- Microstructure Examination
- Grain Size Analysis
- Inclusion Rating
- Phase Volume Determination
- Porosity Analysis
- Coating Thickness and Case Depth Measurement
- Weld Analysis
- Failure investigations

HARDNESS TESTING

- Rockwell Hardness Testing
- Brinell Hardness Testing
- Vickers Hardness Testing
- Knoop Hardness Testing
- Case Depth Hardness Testing.

ADVANCED SPECIMEN
PREPARATION FACILITY

CREEP TESTING

- Creep Rupture Testing
- Stress Rupture Testing
- Stress Relaxation Testing

TMT & REBAR TESTING

- Tensile Test
- Slip Test
- Cyclic Tensile Test & Compression Test
- Low Cycle & High Cycle Fatigue Test



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