



Testing Laboratory Indiana Gratings Pvt. Ltd.

BROCHURE

ABOUT TESTING LABORATORY

We deliver precision-driven, performance-focused solutions by rigorously evaluating your processes and products. With a proven track record of technical excellence and regulatory mastery, we enable organizations to achieve superior quality, uncompromised compliance and measurable value enhancement—fueling sustainable, future-ready growth.

Testing Laboratory Indiana Gratings Private Limited (TLIGPL) Lab stands as a premier Mechanical, Chemical, and Metallurgical Testing laboratory for the manufacturing industries and allied sectors, recognized for accuracy, reliability and uncompromising national and international standards of excellence.

Our testing laboratory is a NABL approved independent organization.



PROJECTS SERVED



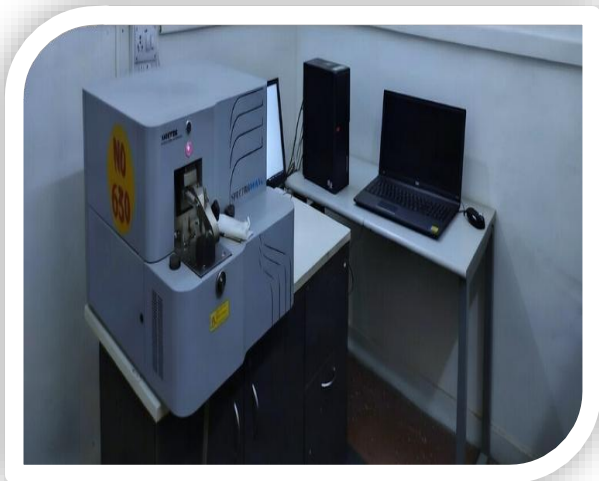
SATISFIED CLIENTS



TEST METHODS



PROFESSIONALS & EXPERTS



TLIGPL Lab is a prominent **testing service provider** in the **industry** and its associated fields.

We specialize in various areas of Mechanical, Metallurgical and Chemical Testing.

ACCREDITATION

We are an ISO/IEC 17025:2017 accredited Testing Laboratory, accredited by the National Accreditation Board for Testing and Calibration Laboratories (NABL).

NABL is an independent accreditation body operating under the Quality Council of India (QCI). It is established to provide Government bodies, industry associations, and organizations with a robust conformity assessment and accreditation framework.

NABL accreditation is granted through a rigorous third-party assessment process, evaluating the technical competence, impartiality, and consistency of testing and calibration laboratories, proficiency testing providers, and reference material producers—ensuring confidence in the accuracy, reliability, and international acceptance of test results.



TC-13723

OUR CREDENTIAL

We began our journey in January 2020 and achieved NABL accreditation on 17 January 2022 for materials testing as mentioned in the scope.

Over the years, we have earned the trust of number of customers who value our ethics, quality standards, and reliable services.

Our team consists of highly trained engineers, technicians, and operators with a strong acumen, ensuring that all material testing activities are carried out in our state-of-the-art laboratory in accordance with applicable National and International standards.

OUR ACCREDITATION & APPROVALS

  National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

TESTING LABORATORY, INDIANA GRATINGS PVT. LTD.
has been assessed and accredited in accordance with the standard
ISO/IEC 17025:2017
**"General Requirements for the Competence of Testing &
Calibration Laboratories"**
for its facilities at
PLOT NO. C63, MIDC, JEJURI, SASVAD, PUNE, MAHARASHTRA, INDIA
in the field of
TESTING

Certificate Number: TC-13723
Issue Date: 20/05/2024 Valid Until: 19/05/2026

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: Indiana Gratings Pvt. Ltd.

Signed for and on behalf of NABL




N. Venkateswaran
Chief Executive Officer



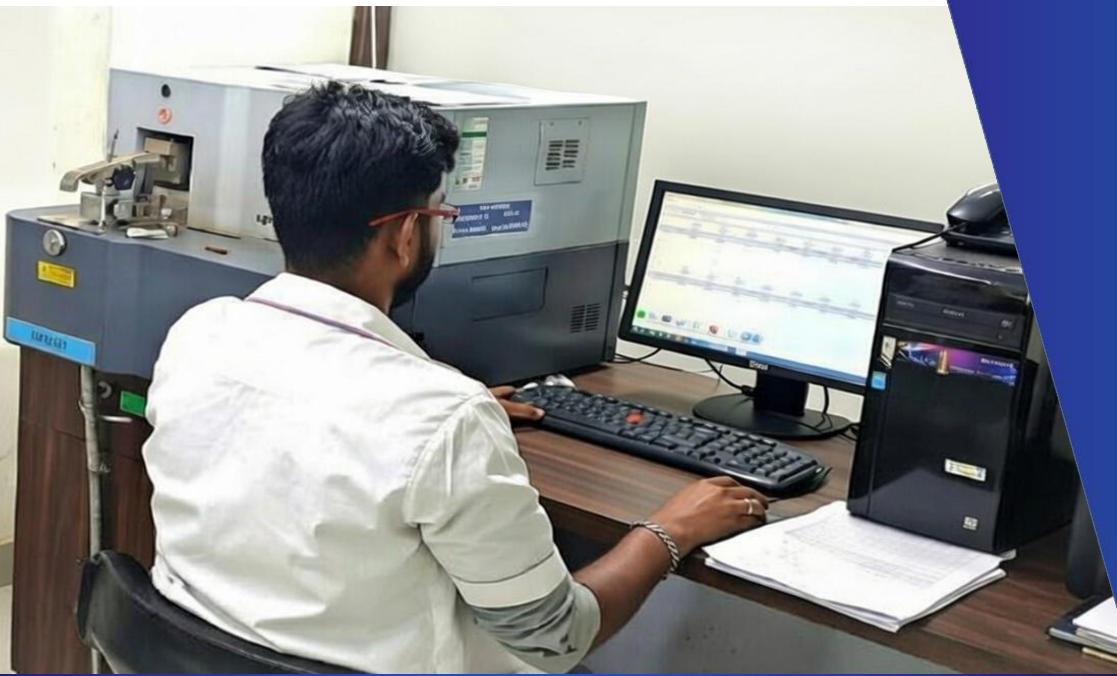
SCOPE OF ACCREDITATION

S. No.	Discipline / Group	Materials or Products Tested	Component / Parameter / Characteristic Tested / Specific Test Performed	Test Method Specification / Standard
1	Chemical – Metals & Alloys	Metals and Alloys (Carbon Steel)	Chemical Analysis – All Parameters	ASTM E415, IS 8811
2	Chemical – Metals & Alloys	Metals and Alloys (Stainless Steel)	Chemical Analysis – All Parameters	ASTM E1086, IS 9879
3	Mechanical Properties of Metals	Ferrous materials, alloys & products	Ultimate Tensile Strength, Yield Strength, % Elongation after Fracture, % Reduction of Area	ASTM A370, ASTM E8/E8M, IS 1608 (Part 1), ISO 6892-1
4	Mechanical Properties of Metals	Ferrous materials, alloys & products	Bend Test	ASTM A370, ASTM E190, ASTM E290, IS 1599, ISO 5173
5	Mechanical Properties of Metals	Ferrous materials, alloys & products	Charpy Impact Test (+30°C to -50°C)	IS 1757 (Part 1), ISO 148-1
6	Mechanical Properties of Metals	Ferrous materials, alloys & products	Brinell Hardness Test	ASTM E10, IS 1500 (Part 1), ISO 6506-1
7	Mechanical Properties of Metals	Ferrous materials, alloys & products	Rockwell Hardness Test (B Scale & C Scale)	IS 1586 (Part 1), ISO 6508-1, ASTM E18
8	Mechanical Properties of Metals	Ferrous materials, alloys & products	Vickers Hardness Test	IS 1501 (Part 1), ISO 6507-1
9	Mechanical Properties of Metals	Welds & welded test specimens	Bend Test	IS 3600 (Part 5 & Part 7), ISO 7438
10	Mechanical Properties of Metals	Welds & welded test specimens	Tensile Strength, Yield Strength	IS 3600 (Part 4), ISO 4136
11	Mechanical Properties of Metals	Welds & welded test specimens	Macro Examination Test	ASTM E340
12	Mechanical Properties of Metals	Welds & welded test specimens	Proof Load Test	IS 1367 (Part 6)



CHEMICAL TESTING SERVICES

Carbon Steel | Alloy Steel | Stainless Steel | Zinc Alloy



Chemical Testing Services



- Carbon Steel
- Alloy Steel
- Stainless Steel
- Zinc & Alloys



MECHANICAL TESTING SERVICES



1. Tensile Testing



8. Rockwell Hardness Test



2. Bend Test



9. Vickers Hardness Test



3. Re-Bend Test



10. Weldment Qualification Test



4. Fracture Test



11. Macro Examination



5. Proof Load Test



12. Side Bend Test



6. Charpy V-Notch Impact Test



13. Face Bend Test



7. Brinell Hardness Test



14. Root Bend Test

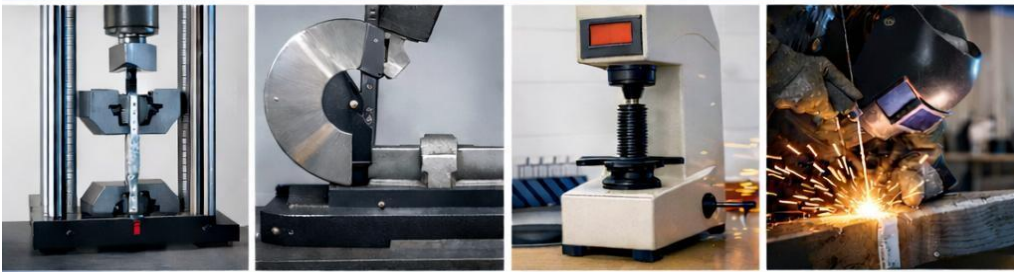


15. Weld Fracture Test



MECHANICAL TESTING SERVICES

Tensile / Bend / Re-Bend/ Fracture /
Proof Stress/ Impact /Hardness

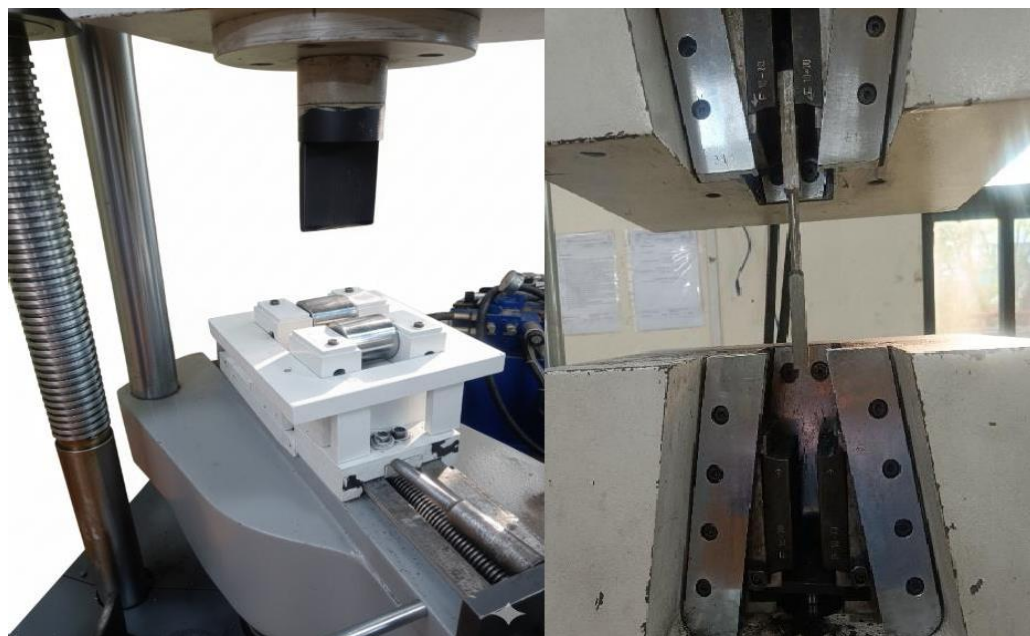




UNIVERSAL TENSILE TESTING

Tensile / Transverse Tensile / All weld Tensile / Bend/Re-end/Fracture/Proof Load /Flattening / Crush test/ Compression Test/ Pull Out

Tensile testing at a glance



Universal Tensile Test

- ❖ Instrument Id: TLIGPL/LAB/02
- ❖ Make : FIE Pvt. Ltd.
- ❖ Model : UTE-60 HGFL-TS/1
- ❖ Sr. No. : 2020-6379
- ❖ Capacity : 600 kN Max

Tensile / Transverse Tensile / All weld Tensile / Bend/Re-end/Fracture/Proof Load /Flattening / Crush test/ Compression Test/ Pull Out



Hardness Testing Machines

Rockwell Hardness/ Brinell hardness/
Vickers Hardness

Hardness Testing at a glance



Rockwell cum Brinell Hardness Test

- ❖ **Instrument Id:** TLIGPL/LAB/04
 - ❖ **Make** : FIE Pvt. Ltd.
 - ❖ **Model** : RASNEB-TS
 - ❖ **Sr. No.** : RASNEB-TS
 - ❖ **Capacity** : 187.5 Kgf Max
1. **Brinell Hardness -2.5 mm/187.5 Kgf.**
 2. **Rockwell Hardness- B scale /C Scale**



Vickers Hardness Test

- ❖ **Instrument Id :** TLIGPL/LAB/05
 - ❖ **Make** : FIE Pvt. Ltd.
 - ❖ **Model** : VM-50
 - ❖ **Sr. No.** : 12/2020-2050
 - ❖ **Capacity** : 50 Kgf Max
1. **Vickers Hardness -HV10, HV5**



Impact Testing Machines

Charpy V Notch up to -50°C

Impact Testing at a glance



Charpy Impact Test

- ❖ Instrument Id: TLIGPL/LAB/03
- ❖ Make : FIE Pvt. Ltd.
- ❖ Model : IT-30 D
- ❖ Sr. No. : 12-2019-1561
- ❖ Capacity : 300 Joule Max

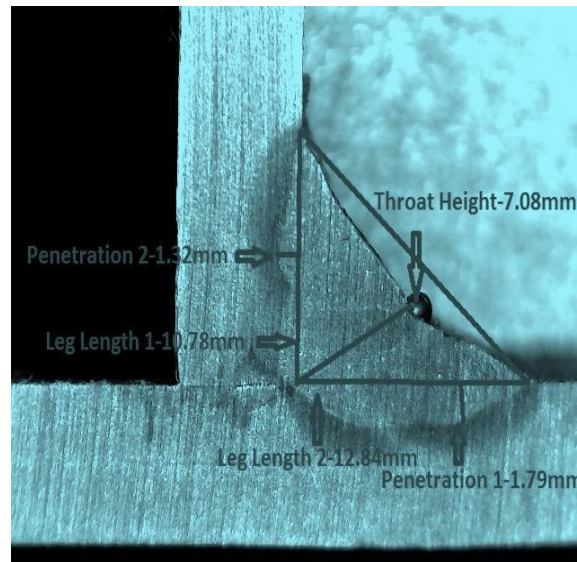
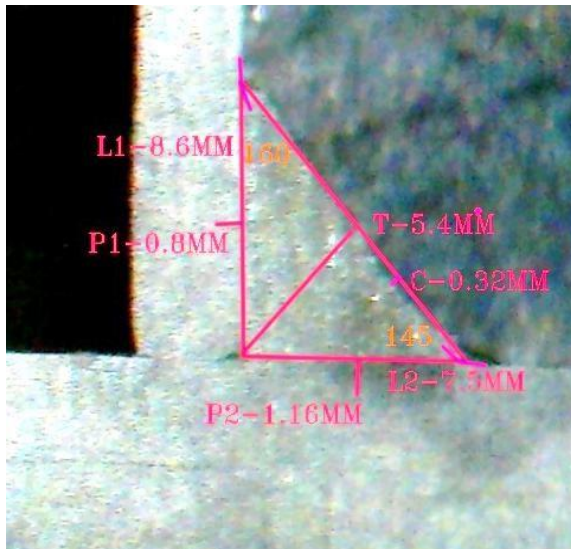
1. Charpy V notch



Metallurgical Stereo Microscope

Weldment Macrostructure

Weldment Macroscopy at a glance



Metallurgical Test

- ❖ Instrument Id: TLIGPL/LAB/21
- ❖ Make : MATRIX TESTING MACHINE SERVICES
- ❖ Model : Matrix100M
- ❖ Sr. No. : S22003

CONTACT US

WRITE TO US

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Testing laboratory, Indiana Gratings Pvt. Ltd.

NABL Accredited as per ISO/IEC 17025:2017

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