



UNITECH METALLURGICAL SERVICES

IN SERVICE TO INDUSTRIES SINCE 2013

NABL Accredited Laboratory in the field of Metal Testing

Company Profile



Unitech Metallurgical Services was founded in 2013 by technically competent technocrats having in depth knowledge & experience in the field of metal testing, Heat treatment, Failure analysis, quality control & assurance to provide service of metal testing to industries. Recent Unitech is one of the foremost independent metal testing laboratories in India which is acknowledged for its modern facilities, quality test results, reliability, repeatability, non-compromising approach, impartial, very fast service and competitive rates.

More than 700 quality driven clients from different industries like Pipe & tubes, Automotive, Chemical Processing, Fabrication, Heat Exchanger, Boiler, Pressure vessel & capital goods manufacturer. Who have trust on Unitech for their Material Testing and Research & Development requirement.

Unitech is NABL and IBR approved accredited laboratory for Chemical & Mechanical field of testing in accordance with ISO/IEC 17025: 2017.

Engineers, Metallurgist & Technicians all at Unitech have well qualified , trained, educated and experience to meet rigorous standards in the testing field.

Housed in 10,000 ft² premises with working area 8000 ft², Test reports issued by Unitech are widely accepted in the industries and approved by almost all National & International inspection agencies, government undertaking units public sector undertakings and private sector industries like: Reliance Industries Ltd, L & T, Essar, BHEL, EIL, LRA, IBR, CEIL, RITES, SGS, Tata Projects, IRS, TUV, Technip, Toyo, and many more,

Metal Testing Facilities



Chemical Analysis

Unitech is offering expertise in chemical analysis of various Metals & Alloys in FE base, Nickle base and copper base.

Our team of qualified, trained and experienced can do accurate characterization & Identification of various elements present in metal using various certified reference material, our laboratory is accredited by NABL as per ISO/IEC: 17025:2017 for various elements for various ranges.



Mechanical Testing

Unitech is offering on outstanding platform for wide range of mechanical testing of various metals alloys. Our team of qualified, trained & experienced engineers & Technicians are experts for performing various mechanical test & evaluating the results with various national and international standards. Unitech is very well equipped with variety of equipment's to provide precise, reproducible & reliable results of mechanical tests(Tensile Test , Hot tensile, Impact, Hardness Test, Bend ..)

Metallography testing

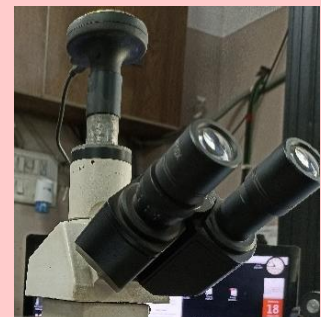
Unitech is offering expertise on metallographic sample preparation and study of microstructure of various metals and alloys. Our qualified and trained metallurgists are experts for evaluation of various microstructure & conforming the heat treatment condition of material.

Our special team for sites are capable of performing in-situ metallography i.e. Replica test (Non destructive microstructure examination at site by portable in-situ metallography kit as per ASTM E1351)



Corrosion testing

Unitech is offering expertise on various corrosion testing services with NABL accreditation, Our qualified & experienced team of metallurgist are experts to perform various corrosion test and evaluating the results. Various tests offered by corrosion testing laboratory i.e. Intergranular corrosion test as per ASTM A 262, ISO 365, HIC Test, ASTM G48, ASTM G28, SSC Test, Salts Spray Test



Management Team



Mrs. Bijal Parmar
B.E (Metallurgy), PGDOM
C.E.O

Mrs. Bijal Parmar has more than 15 years of experience in Metallurgical Analysis, failure analysis, materials characterization, product evaluation, and research and development with expertise in engineering evaluation of failures in metallic and non metallic materials by deformation, fracture, corrosion, and wear. Her achievements and work in the industry has seen her gain status as a reputed Metallurgist. She worked on every aspect of product development and manufacturing and quickly determine the root cause of product failures and manufacturing quality problems.

Mr. Sumit Hirpara
B.E (Mechanical)
Quality Manager

Mr. Sumit has played an integral role in the team with diverse experience undertaking roles ranging from onsite operation, project consulting through to metallurgical laboratory management. He brings an innovative approach and unique outlook to tackling the challenges of today's Industry. His extensive expertise covers the planning and management of large test work projects and client management.