



Torque Wrench Calibrator



3D CMM



2D UMM

METROLOGY & QUALITY CONTROL

IDEMI is renowned for Quality work & to maintain quality standards we are engaged in providing Mechanical Inspection & Calibration services.

IDEMI provides calibration services for following instruments:

- Calipares of all types
- Height gauges
- Inside micrometer
- Bevel protector
- Dial gauge
- Bore dial gauge
- Feeler Gauge set
- Measuring scale
- Measuring tape
- Electronics height gauge
- Universal Measuring machine
- Depth gague
- Depth Micrometer
- Micrometer head
- Length bar
- Dial thickness Gauge
- Cylindrical Measuring pins
- Plain plug gauge
- Snap gauge
- Test sieve
- Step wedge
- Torque Wrench

IDEMI provides inspection services in :

- 3D CMM
- 2D UMM
- Micro Height
- Profile Projector
- Rockwell Hardness Tester



Micro Height

In search of good Design Engineers, Machine Operators ? Find your requirements with us.

The Tool Room is instrumental for promoting development and manufacturing of high tech tools to produce quality products, providing technical services for improving manufacturing processes and products, manpower development in the area of tool & Die making, CAD/CAM/CAE and CNC technology. The quality technical education and training has to meet the requirement of the industries, which is under rapid growth. The highly qualified and motivated professional team, provides the cutting edge to IDEMI and it is the fact that only dedicated and disciplined workforce trained in latest technologies can make Indian Industries constantly updated by continuous technological up gradation.

The trainees are fit to take up any assignment in the manufacturing industries. Generally the trainees of IDEMI are much in demand due to their discipline and Practical readiness.

If you are an industry, We wish to invite you to conduct campus interviews for your man power requirements, alternately our trainees shall also attend interview at your end.



INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS

Eastern Express Highway, Opp. Everard Nagar Bus Stop, Chunabhatti, Sion, Mumbai - 400 022 Tel.: 022 - 24050301 / 2 / 3 / 4
Extension No. 244. Fax: 022 - 24050016 Email: idemi@vsnl.net Website: www.idemi.org / www.msmetdcmumbai.org



TOOL ROOM SERVICES

ISO 9001 : 2015 Certified

PRODUCT DESIGN & DEVELOPMENT

ELECTRO MECHANICAL ASSEMBLY

TOOL DESIGN & MANUFACTURING

PRECISION MACHINING

RAPID PROTOTYPING

CMM INSPECTION

CONSULTANCY

CALIBRATION & METROLOGY LAB

QUALITY POLICY

To meet the customer specified requirements, IDEMI is committed to implement Quality Management System in the areas of, Design , Development, Manufacturing & Testing of Quality Products. Training for skill development & capacity building of manpower. This will be achieved by total Customer Satisfaction through continual improvement as per requirements of ISO 9001 : 2015.



INSTITUTE FOR DESIGN OF ELECTRICAL MEASURING INSTRUMENTS

About IDEMI

IDEMI is an ISO 9001-2015 Organization established by the Government of India in the year 1969 as a service to Instrument Industry Organization. The main objective of setting up this Institute was to gear up the growth potential of indigenous instrument industry and hence to meet the ever-growing needs of the country by augmenting productivity quality control in the industrial sector - be it in Mechanical, Electrical, Electronics or Process Control Instruments. The Institute is looked upon a nodal center given its multifarious activities offered to suit various needs of instrument industry. The Institute offers following services to almost all types Industry.

TOOL DESIGN

IDEMI-Tool Design is a specialized area of manufacturing engineering which comprises the analysis, planning, design, construction and application of tools, methods, and procedures necessary to increase manufacturing productivity.

- Reverse Engineering & 3D modeling
- Product Design & Tool Design
- Design of Die Casting Dies
- Design of Jigs & Fixture
- Design of Plastic Mould
- Design of Press Tools
- Design Analysis

TOOL ROOM INFRASTRUCTURE

HERMLE U 740 with ITNC 530 - 5 Axis Milling Machine , (740 x 500 x 500 mm)

HERMLE C400 5 AXIS CNC, Milling Machine (850 x 700 x 500 mm)

HAAS 1600 - 4 Axis HMC, (1626 x 1270 x 813 mm)

HAAS - VF - 9 /50 3 Axis VMC, (2134 X 1016 x 762 mm)

HAAS - VF - 6 /50 3 Axis VMC(1626 x 813x 762 mm)

HAAS - VF1 3 Axis VMC, (508 x 406 x 508 mm)

KENT SURFACE GRINDING, HSG 820 (2000 x 800 x 500 mm)

AGIE CHARMILLES CNC EDM M/C, (600 x 400 x 450 mm)

CHARMILLES CNC EDM M/C, (600 x 400 x 400mm)

CHARMILLES CNC EDM M/C, (350 x 2500 x 300mm)

WIRE EDM CHARMILLES, (1200 x 700x 400mm)

ONA CNC Wire EDM, (600 x 400 x 400)

CNC Lathe, Max Dia. - 280 mm

MIKRON GEAR HOOBING M/C

OPTICAL PROFILE GRINDING

JIG BORING M/C

TRAINING & CONSULTANCY SERVICES

IDEMI gives training with complete hands on experience through practical and demonstration in the field of Tool Design, Workshop Technology, Tool & Die Making, CNC Milling & CNC Lathe. IDEMI also conducts professional training programmes on Tool Design & CAD / CAM, Dimensional Metrology & customized training as per requirement.

- Workshop on ISO / IEC 17025:2005 Dimensional Metrology
- Dimensional Metrology Course
- Advance Training on CMM
- Basic Training on CMM
- Workshop on Die Design & Die maintenance of Pressure Die Casting / Injection Mould / Press Tools

TOOL ROOM SERVICES

Tool Room plays a vital role in the development of Instrument Industry whether it falls under small, medium or large scale.

- Reverse Engineering & Prototype Development
- Product Development & Tool Manufacturing
- Wire cut EDM, C-Axis EDM Machining
- 5 Axis, 4 Axis and 3 Axis CNC Milling
- Manufacturing of Die Casting Dies
- Manufacturing of Jigs & Fixture
- Manufacturing of Plastic Mould
- Manufacturing of Press Tools
- Optical Profile Grinding
- CNC Lathe Machining
- Precision Job work

RAPID PROTOTYPING (FDM)

The Rapid Prototyping Services provided by us bring design ideas to life. These services can help to get the products in market faster. We achieve our prototyping goals with the help of latest technologies and advanced materials.

- Abbreviation : FDM (Fused Deposition Modelling)
- Material Type : Solid
- Material : Thermoplastics ABS
- Max Part Size : 300 mm x 250 mm x 250 mm
- Min Layer Thickness : 0.2 mm
- Accuracy : ± 0.2 mm