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Industrial Solutions



EXCELLENCE
THROUGH QUALITY ASSURANCE

TECHNOLOGY

INNOVATION

QUALITY

TRAINING & SUPPORT

SERVICES

Contact Us at : 09646458212 / 08427683447
Website : www.microindustrialsolutions.com
Email Us At : microindustrialsolutions@gmail.com

UNIVERSAL LENGTH MEASURING MACHINE



Model	Lab Microcal 100	Lab Microcal 600
Measuring Range - External	-	0 - 600 MM
Measuring Range - Internal	3 - 100* MM	3 - 450* MM
Instrument Uncertainty	0.7 + L/1000µm (0.4+L/1000µm)*	
Resolution	0.1 µm/0.01*µm	
Repeatability	0.3µm at ± 2 sigma (0.2 µm at ± 2 sigma)*	

TOOL PRESETTER



TOOL SCAN



TOOL SET

SOLUTION FOR GEARS



OVER BALL DIAMETER
SNAP GAUGE



SPAN SNAP GAUGE



CNC UNIVERSAL GEAR ROLL TESTER



CNC/ AUTOMATIC BEVEL GEAR ROLL
TESTER (MODEL GRT B100)



GEAR D.M.P.



GEAR SHAFT MEASURING MACHINE

UP GRADATION OF GEAR TESTER



- Up-gradation of old CNC gear tester under taken by Aditya Engineering Company with the following scope :-
 1. Mechanical restoration and geometrical alignment as required by machine standard.
 2. Replacement of old electronics with new drive & controller.
 3. New Gear Soft 5.0 window based gear software.
 4. Various option are available to suit customer specification, cam, cutter, gear shifter drums, spline shaft etc.
 5. All required accessories and fixtures of gear measuring are manufactured in-house at our end.
- Features
 - Low cost up-gradation of old CNC 3 Axis / 4 Axis Gear Tester with indigenous software and electronics.
 - Up-gradation are possible on most of the old CNC gear checking machines like Klingelnberg, Hoffer, M & M, Mahr, Osaka, Maag & others.
 - Renishaw scanning probe SP600 - 3D Probe
 - Use of latest drive & controller from Delta tau.
 - Setting of all mechanical parts to achieve required geometrical accuracies up to class 2 of VDI 2612 / 13 standards.



Ball Calibration
Master / Devices



Work Holding Fixtures



Spare Parts



Master Gears



Calibration
Mandrel



Stylus

AIR GAUGING SOLUTION



'C' TYPE AIR GAUGE



'E' TYPE AIR GAUGE



Single Colour Column



Tri - Colour Column



AIR RING GAUGES



AIR PLUG GAUGES



ELECTRONIC GAUGING



CONTACT TYPE GAUGES



**CONNECTING ROD
PNEUMATIC FIXTURE**



**CONNECTING ROD CONTACT
TYPE MEASUREMENT**

MEASURING TOOLS



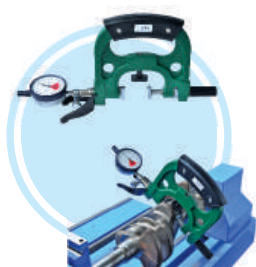
MEASURING PIN SET



SLIP GAUGE SET



THREE WIRE SET



DIAL SNAP GAUGE



ADJUSTABLE SNAP GAUGE



**FLOATING CARRIAGE
MICROMETER**



DIGITAL VERNIER CALIPER



DIAL TYPE VERNIER CALIPER



CONVENTIONAL VERNIER CALIPER



EXTERNAL MICROMETER



DIGITAL MICROMETER



INTERNAL MICROMETER



DIAL THICKNESS GAUGE



DIGITAL DIAL GAUGE



PLUNGER DIAL GAUGE



LEVER TYPE DIAL GAUGE



DIGITAL HEIGHT GAUGE



DIAL BORE GAUGE

MEASURING MACHINES



VERTICAL PROFILE PROJECTOR



HORIZONTAL PROFILE PROJECTOR



VIDEO MEASURING MACHINE



DIGITAL READOUT SYSTEM

TESTING MACHINES



UNIVERSAL TESTING MACHINE



TENSILE TESTING MACHINE



COMPRESSION TESTING MACHINE



ROCKWELL HARDNESS TESTER



BRINELL HARDNESS TESTER



VICKERS HARDNESS TESTER



SPRING TESTING MACHINE



ULTRASONIC TESTING MACHINE



TORSION TESTING MACHINE



IMPACT TESTING MACHINE



OPTICAL EMISSION SPECTROMETER



SAMPLE PREPARATION MACHINE

TESTING & CALIBRATION SOLUTIONS

We provide Testing, Calibration & Validation services at our Laboratory in Patiala(Pb). We also provide on-site calibration facility. Certificates issued are NABL approved or having NABL traceability. We have dedicated team of Engineers for carrying out quality calibration & testing activities.

SCOPE OF CALIBRATION :

1. **MECHANICAL:** Caliper, Micrometer, Height gauge, Dial Indicator, Snap Gauge, Bore Gauge Steel scale, Measuring tape.
 - A. **MASTER INSTRUMENTS:** Profile projector, Linear Height gauge, Electronic probe, Dial calibration Tester, Height master, Caliper Checker, Sine Bar, Plain Plug gauge.
 - B. **MASS & VOLUME:** Std. Weight Box, Dead Weight, Electronic/Physical Balance, Spring balance, Specific gravity balance, Density Hydrometer, Volume (Flask, Burette, Pipette).
 - C. **PRESSURE & VACUUM:** Digital Pressure gauge, Pressure gauge, Dead weight tester, Vacuum Gauge, Pressure Vacuum Transmitter/Manometer.
 - D. **TORQUE & FORCE :** Torque screw drive , Torque wrench, Push Pull Gauge, Rubber, Hardness Tester, Tension Gauge, Tachometer, Rockwell Hardness Tester, Load cell with indicator.
2. **ELECTRICAL :** Amp Meter, Volt meter, Sound level, Lux meter, Ohm Meter, Frequency Meter, Watt Meter, Digital Millimeter, Inductance/capacitance meter, High Voltage tester, LCR meter, Power supply (AC/DC), Clamp Meter ,Leakage Current, Power Factor meter.
3. **TEMPERATURE:** Temperature controller, PID controller, Temp Gauge, Thermocouple/RTD, Glass thermometer, Temp Controller with sensor, Dry/Wet Thermometer, Hygrometer/RH Meter, Refrigerator, Sterilizer/cold chamber, Env't. Chamber, Autoclave, Industrial Oven/Furnace (Validation), RTD Simulator, Infrared Thermometer.

SCOPE OF TESTING : Chemical Analysis of Ferrous & Non-Ferrous Materials using Optical Emission Spectrometer.



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