

## Computerized Universal Testing Machine



### Computerized Version

The Machine is designed for testing metals other material under TENSION.COMPRESSION, BENDING/TRANSVERSE/SHEAR LOADS the machine isoperable on 415 volts, there phase 50 Hz AC supply and based on the ratedcapacity of the machine, has FOUR LOAD MEASURING RANGES, as quotedbelow against each rated capacity of the machine. AN AUTOGRAPHIC ContinuousROLL LOAD ELONGATION RECORDER load vs Elongation. The machine isSupplied complete with the following Standard Accessories

### Standard Accessories

FOR CONDUCTING TENSION TESTS Clamping jaws for testing Round and flat specimens under Tension Tests.

### For Conducting Compression

TESTSA pair of Compression Platens, duly hardened ground and polished, with the bottom platen provided with guide- lines for placing the that specimen co-axial with the Hydraulic RAM

### For Conducting Bending/Transverse Tests

A table with adjustable rollers complete with mandrel for conducting Bending/Transverse Tests.

### Double Shear Test Attachment

The Attachment is designed for conducting Double Shear on round specimen. The Attachment comprises of a Double Shear Test lock and Bush.

#### Capacity 500 KN

Least Count (Resolution)0.5 KN on the entire rated capacity of the machine

## Application System:

Peak load along with on line load  
 Maximum elongation with online elongation  
 Ultimate tensile Strength  
 Graphical Display of load vs time  
 Graphical display of elongation vs. time  
 Graphical display of load vs. elongation  
 graphic display of stress vs. strain  
 Complete statistical Analysis  
 Data report management

## Technical Specification

Max Capacity: 50 Tonne  
 Measuring Range: 0.5KN  
 Max. Clearance for Tensile Test: 50-900mm  
 Max. Clearance for Compression Test: 0-900mm  
 Clearance between Columns: 850mm  
 R A M Stroke: 300mm  
 Straining/Piston Speed at no load: 0-45mm Minimum  
 Electric Supply: 3.0Kw

## Safety Features:

Machine stops after specimen failure  
 safety against over travel of piston  
 Surge protector  
 Auto machine diagnosis  
 Safety against

## Standard Accessories:

For Tension test: Clamping jaws for round  
 Specimen: 20-40, 40-60, 60-80mm  
 Clamping jaws for Flat Specimen: 0-20, 20.45, 45.70mm width: 100mm  
 For Compression Test: pair of compression plate of diameter: 220mm

**For Transverse Test:** Table with adjustable rollers Width for rollers: 200mm  
 Diameters of rollers: 70mm  
 Max Clearance between support: 900mm  
 Radius of punch Top: 30, 40mm

## Support & Services

### HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings : We also take up preventive Maintenance to reduce downtime of HPLC's

AMC's/CMC : We offer user training both in-House and at customer sites on HPLC principles, operations, troubleshooting.

Validations : We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms

Instruments : We offer instruments / Renting Services Modules like pumps, detector etc. on Rent.



### About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the globe. Analytical Technologies Limited is an ISO :9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

### About Analytical Technologies

						
UV/VIS Spectro 2060+ Double Beam	FTIR	Gas Chromatograph 3000	Gas Chromatograph 2979 Plus	Flash Chromatograph	Atomic Absorption Spectrophotometer	Liquid Partical Counter
						
Optical Emission Spectrophotometer	DSC/TGA	NOVA 2020 plus Automated Bio Chemistry Analyzer	HEMA 2020 Hematology Analyzer	Micro Plate Reader/Washer	Water purification system	Total Organic Carbon
						
Fully Automated CLIA	NOVA Basic Semi -Auto Chemistry Analyzer	PCR/Gradient PCR/ RTPCR	Blood Gas Analyzer	Random access Analyzer for immunoassay Proteins & clinical chemistry	Semen Analyzer	Water Purification System

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



**Analytical**  
**Foundation**

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [info@analyticalfoundation.org](mailto:info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



HPLC Solutions   MultipleLabs   Analytical Bio-Med   Analytical Distributors   Analytical Foundation (Trust)

**Corporate & Regd. Office:**  
Analytical House, # E67 & E68,  
Ravi Park, Vasna Road, Baroda,  
Gujarat 390 015. INDIA

T: +91 265 2253620  
+91 265 2252839  
+91 265 2252370  
F: +91 265 2254395

E: [info@hplctechnologies.com](mailto:info@hplctechnologies.com)  
[info@multiplelabs.com](mailto:info@multiplelabs.com)  
[info@analyticalgroup.net](mailto:info@analyticalgroup.net)  
[info@analyticalbiomed.com](mailto:info@analyticalbiomed.com)

W. [www.ais-india.com](http://www.ais-india.com)  
[www.analycalgroup.net](http://www.analycalgroup.net)  
[www.hplctechnologies.com](http://www.hplctechnologies.com)  
[www.multiplelabs.com](http://www.multiplelabs.com)

Sales & Support Offices:  
across the country :  
Distributors & Channel  
partners World Wide

Note : Company reserves rights to add/delete/modify the contents / technical specifications of the catalogue without prior notice.