



CANAN TESTING MACHINES AND CALIBRATIONS LLP

QUALITY MEETS PRECISION



CC - 2359
NABL ACCREDITED

Sales, Service & Calibration of **Material Testing Machines**



www.canantesting.com





CANAN TESTING MACHINES AND CALIBRATIONS LLP



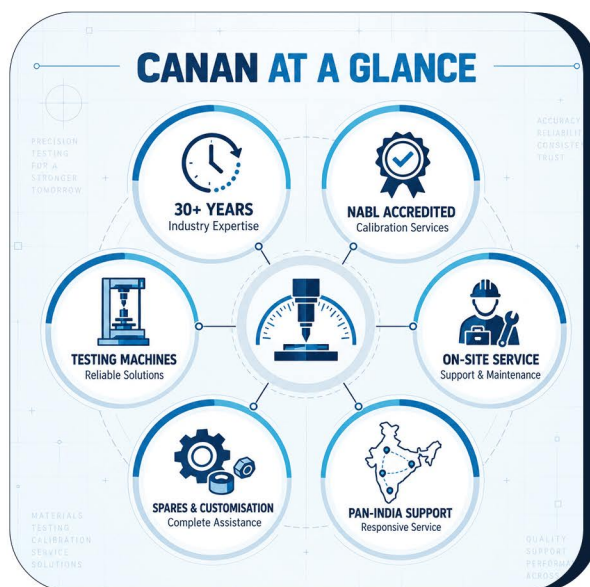
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ABOUT US

Canan Testing Machines and Calibrations LLP, formerly known as Canan Testing Services, is a specialized provider of material testing machines, calibration, servicing, spares and customized testing solutions. With over three decades of industry experience, we have built a strong reputation for technical expertise, dependable solutions and responsive after-sales support across India.

We proudly hold the distinction of being the first company in India to receive prestigious accreditation from the National Accreditation Board for Testing and Calibration Laboratories (NABL), a constituent board of the Quality Council of India, for the calibration of material testing machines. Our calibration services are designed around applicable national and international standards and traceability requirements.

A team of engineers with over 30 years of expertise in testing machines. Our commitment is simple: to deliver reliable testing solutions, accurate measurements and dependable support that enable our customers to maintain quality, safety and confidence in every test result.



30+
years
Industry
Experience



SERVING
National &
International
Customers



5000+
Clients
Served



NABL
Accredited

CUSTOMER COMMITMENT



PRECISION

Accuracy in every calibration and service assignment.



QUALITY

Dependable machines, genuine spares and professional support.



RELIABILITY

Consistent service for long-term equipment performance.



COMPLIANCE

Traceable calibration aligned with National and International standards.



CUSTOMER COMMITMENT

Complete support from machines and spares to service and calibration.

WHY CHOOSE CTMC



Best quality
material testing
machines



Guaranteed
original spares



On-time service for
Indian and overseas
make machines



Calibration support
traceable to National /
International standards



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UNIVERSAL TESTING MACHINES



Digital Universal Testing Machine

- Variety of Tests – Tension, Compression, Transverse, Bending etc.
- Digital Display or Touchscreen for Load and Elongation.
- Online Graph on PC (optional), Computerized and Servo controlled models.

Model - **UTE** **UTE TS** **UTES** **UTES TS**



Universal Testing Machine with Hydraulic Gripping

- Hydraulic Gripping with Front Loading for ease of use.
- Digital Display or Touchscreen for Load and Elongation.
- Online Graph on PC (optional), Computerized and Servo controlled models.

Model - **UTE HGFL** **UTE HGFL TS** **UTES HGFL** **UTES HGFL TS**



Six Column Universal Testing Machine

- Four Pillars and 2 lead screws, for better stability
- Hydraulic Gripping with Front Loading for ease of use.
- Digital Display or Touchscreen for Load and Elongation.
- Online Graph on PC (optional), Computerized and Servo controlled models.

Model - **U MAX** **U MAX SERVO** **U MAX SERVO TS**



Electro Mechanical Universal Testing Machine

- Precision AC servo motor & drive with ball lead screw.
- Provision for load cell interchangeability & automatic load selection.
- Variable speed selection options.
- Safety interlock for overload & limit switch sensing to ensure protection during test.

Model - **UNITEK - 9700** **UNITEK - 9400** **UNITEK - 1600 TS**



Extensometer

- Extensometer is used with UTM (Tension Test) for measuring extension and evaluate Young's modulus, Proof Stress or Yield stress.
- Mechanical, Electronic, Video & Long Travel Options available.
- Contact and Non- Contact Extensometer available.

Model - **EM-1** **EE-2** **LTE-800** **Video Extensometer**



Impact Testing Machine

- Charpy and IZOD Impact Testing Machine as per ISO standard.
- Charpy Impact Testing Machine as per ASTM standard
- Analogue and Digital versions
- Various capacity available.

Model - **IT 30** **IT 30 D** **IT 30 ASTM** **IT 30 ASTM D**
IT 40 **IT 40 D** **IT 40 ASTM** **IT 40 ASTM D**



Automatic Impact Testing Machine

- Fully automatic Impact Testing Machine from loading of the sample to test results.
- Designed for both Charpy and IZOD tests.
- Pendulum moves automatically to the home position.
- Both ISO & ASTM standard machine available.

Model - **Auto Impact 30** **Auto Impact 40** **Auto Impact 75**



Broaching Machine

- Manual and Motorized broaching machine available.
- Self-contained floor mounting unit.
- Specifically designed for cutting Charpy and IZOD.
- 'V' and 'U' notches

Model - **Pro Broach** **Pro Broach +**



Horizontal Balancing Machine

- Horizontal type universal balancing machine.
- Various models – suitable for Rotor from 0.5 kg to 10000 kg.
- Good for precision balancing upto 0.2 micron shift.

Model - **HDM** **HDCM**



Vertical Balancing Machine

- Vertical type machines for single plane balancing of rotors like clutch plates, fan blades, fly wheels, impellers etc.
- Various models – suitable for Rotor from 0.5 kg to 300 kg.
- Min. achievable unbalance upto 5 micron shift.
- Optional PC interface

Model - **HDVM**



Compression Testing Machine

- Straining at variable speeds to suit wide range of materials
- Various models – Capacity from 500 kN to 5000 kN.
- Panel and PC graph enables to study the behaviour of the material.
- Loading accuracy well within $\pm 1\%$

Model - **CTE** **CTE 4C** **CTE PRO**



Spring Testing Machine

- Good for testing laminated and coil spring.
- Autographic elongation recorder.
- Various models – Capacity from 60 kN to 500 kN.
- Loading accuracy well within $\pm 1\%$

Model - **STE**



Torsion Testing Machine

- Machine is designed for conducting torsion and twist on various metal wires, tubes, sheet materials.
- Torque measurement is by torque transducer system.
- Various models – Capacity from 60 Nm to 1000 Nm.
- Loading accuracy well within $\pm 1\%$

Model - **TT** **TTE** **Twisto**



Erichsen Testing Machine

- Suitable for cupping tests on sheet metals.
- Having thickness from 0.1mm to 2.0 mm.
- Least count of measurement – 0.01 mm.

Model - **ET 20** **ET 20 D**



Bend Rebend Testing Machine

- Sturdy load frame.
- Both Bending and Re-bending operation.
- Interchangeable mandrels for varying diameters.
- Guard & cover provided for safety and protection.

Model - **Power Bend PRO**



Horizontal Chain & Rope Testing Machine

- Micro controlled based Panel with Touch screen.
- Used to test chains and ropes under Tension.
- Customisable Bed length.
- Various models – Capacity from 100 kN to 2000 kN.

Model - **CRE**



Fatigue Testing Machine

- Used to test the fatigue strength of materials
- Table type model.
- Compact and Sturdy design.
- Easy to operate.

Model - **Fatigue Pro - 200**



Marking Machine

- Used for Punch marking in metal samples.
- Easy operation with touch controls.
- Precision Punch Marking
- Can measure in manual and automatic mode.

Model - **Mark - 100**



Cold Crushing Strength Testing Machine

- Used to apply highest compressive strength to break iron ore pellets.
- Touch screen controls.
- Constant speed between 0.5 to 250 mm/min.
- Load cell based machine with 10 kN capacity.

Model - **CCS-10**



Micro Notch Measuring Machine

- Used to measure U and V notch specimens
- Two view architecture.
- PC software controlled
- Resolution upto 3 microns.



ROCKWELL HARDNESS TESTING MACHINES



Rockwell & Combined Hardness Tester

- Manual Operation.
- Manual Load Selection.
- Manual Loading & Unloading
- Automatic zero setting dial gauge.

Model - **RAS** **RAB1** **RAB 250** **TWIN**



Rockwell & combined Hardness Tester (Digital)

- Digital Readout of hardness value.
- 10 times better resolution.
- Manual operation.
- Manual load selection

Model - **RAS D** **RAB1 D** **RAB 250 D** **TWIN D**



Analogue Rockwell Hardness Tester

- Analogue readout of Hardness Value.
- Optional Brinell and Superficial hardness scales
- Manual operation.
- Automatic zero setting dial gauge.

Model - **RASN** **RASNB** **RASNT**



Touch Screen Rockwell Hardness Tester

- 4.3" Touch Screen display
- Test Force selection knob.
- Automatic zero setting dial gauge.
- Built in Hardness Converter.

Model - **RASN TS** **RASNB TS** **RASNT TS**



Fully Automatic Touch Screen Rockwell Hardness Tester

- Fully automatic Motorized operation.
- Load selection through touch screen.
- Motorized loading and unloading.
- Built in Thermal printer and Optional PC connectivity.

Model - **RASN TSFA** **RASNB TSFA** **RASNT TSFA**



BRINELL HARDNESS TESTING MACHINES



Brinell Hardness Tester (Hydraulic)

- Hydraulic loading & unloading.
- Manual operation

Model - **B-3000 (H)**



Brinell Hardness Tester (Optical)

- Magnified optical device for measuring Dia.
- Loading & unloading via Servo Motor
- Manual operation

Model - **B-3000 (O)**



Digital Brinell Hardness Tester

- Digital readout of Hardness Value.
- Magnified optical device for measuring Dia.
- Loading & unloading via Servo Motor

Model - **B-3000 (E)**



Computerized Brinell Hardness Tester

- Direct readout in PC software
- Loading & unloading via Servo Motor
- Bulk reporting.

Model - **B-3000 PC**



Fully Automatic Computerized Brinell Hardness Tester

- Fully automatic Motorized operation.
- Direct readout in PC software
- Loading & unloading via Servo Motor

Model - **B-3000 PCFA**



Touch Screen Brinell Hardness Tester

- Integrated IPC Touch Screen.
- Direct readout in IPC software
- Loading & unloading via Servo Motor

Model - **B-3000 TS**



Fully Automatic Touch Screen Brinell Hardness Tester

- Fully automatic Motorized operation.
- Integrated IPC Touch Screen.
- Direct readout in IPC software

Model - **B-3000 TSFA**



Loadcell Based Brinell Hardness Tester

- Loadcell based loading no manual weight movement.
- Fully automatic Motorized operation.
- Load selection through touch screen or PC software.

Model - **Brinmax Mini**



Brinell Optical System + Software

- Auto / semi-auto / manual modes of operation.
- Results saved in database.
- Report generation.

Model - **BOSS**

VICKERS HARDNESS TESTING MACHINES



Optical Vickers Hardness Tester

- Built In projection screen to get accurate results.
- Motorized loading and unloading cycles.

Model - **VM-50**



Computerized Vickers Hardness Tester

- Fully Computerized (PC based) machine.
- Accurate results and reporting.

Model - **VM-50 PC**



Touch Screen Vickers Hardness Tester

- Integrated IPC Touch Screen.
- Direct readout in IPC software

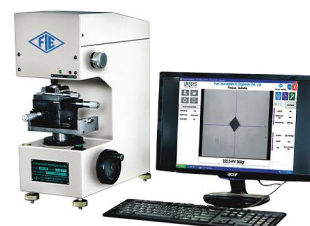
Model - **VM-50 TS**



Computerized Micro Vickers Hardness Tester

- Direct readout in PC software
- Test Loads – 10gms to 1000gms

Model - **MV 1-PC**



DIAMOND TOOLS - PRODUCTS



Standard & Large size Test Blocks



Diamond, Ball & Special Indentors



CRM Test Blocks



CRM Impact Specimens



SPECIALISED TESTING MACHINES

**Rail Bend Testing Machine
(RT 250/300)**



**Automatic Crankshaft
Balancing Machine
(CBM Max 50)**



**Multi Axis
Brinell Hardness
Testing Machine
(Brinmax 3000 V)**



**Bridge Type
Brinell Hardness
Testing Machine
(Brinmax 3000 B)**



**Moving Head
Rockwell Hardness
Testing Machine
(RASN TSFA MH)**



**Moving Head
Brinell Hardness
Testing Machine
(BRINMAX 3000 MH)**



**Inline Brinell hardness Tester
(BRINMAX 3000 IB)**



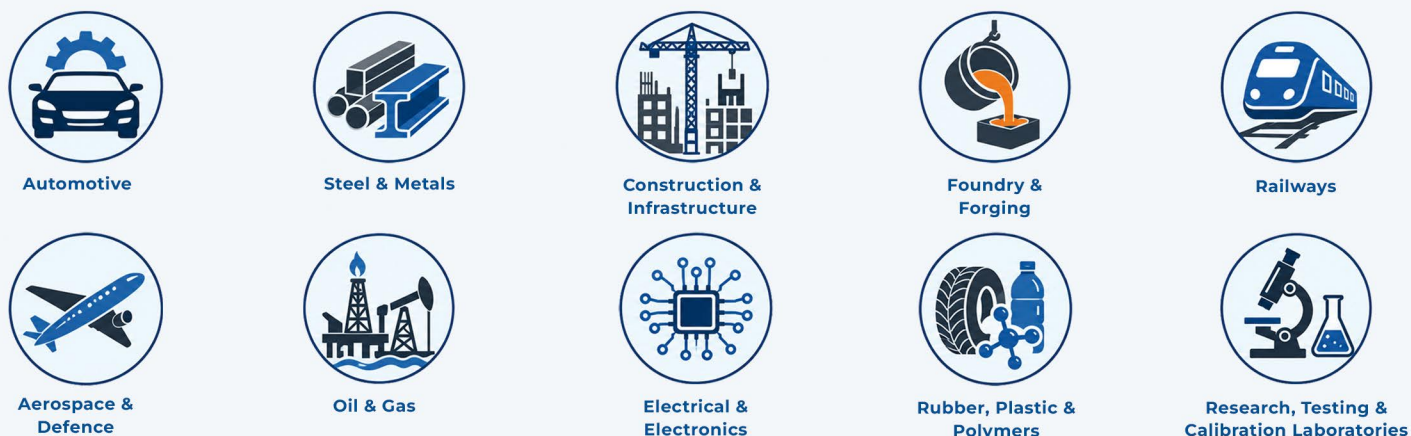
CALIBRATION & AFTER SALES SUPPORT



HOW WE WORK



INDUSTRIES WE SERVE



OUR CLIENTELE





CANAN TESTING MACHINES AND CALIBRATIONS LLP



HEAD OFFICE



DELHI - 110093

**11, 1st Floor Convenient Shopping Center,
Pocket - F, G.T.B Enclave, Nand Nagari,
New Delhi, India**



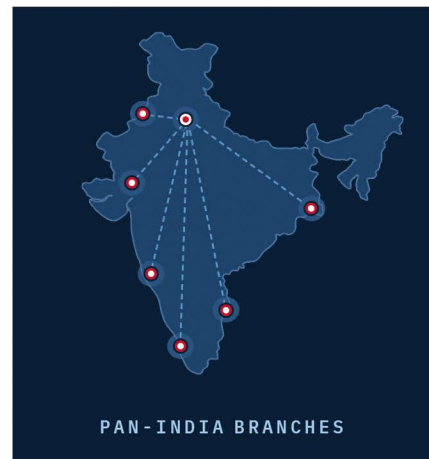
+91-11 - 2259 4094 +91-11 - 4564 4198
+91-11 - 4100 9914



canan@canantesting.com



www.canantesting.com



REGIONAL OFFICES

Ludhiana

NORTH

141016

📍 Glaspura, Ludhiana, Punjab

T +91-85870 46733

@ ludhiana@canantesting.com

Ahmedabad

WEST

382330

📍 7, 2nd Floor, Laxmivilla Greens Complex,
New Naroda

T +91-79-3560 4775

@ ahmedabad@canantesting.com

Kolhapur

WEST

416003

📍 LG 05, Lower Ground Floor, Revolution
Complex

T +91-231-358 7567

@ kolhapur@canantesting.com

Chennai

SOUTH

600040

📍 G1, Gee Kay Ananya, 29/1, Y-Block, 3rd
Street, Anna Nagar

T +91-44-4861 0142

@ chennai@canantesting.com

Kerala

SOUTH

686664

📍 Canan Plaza, Piravom, Emakulam

T +91-96336 06855

@ chennai@canantesting.com

Kolkata

EAST

700026

📍 7, Prince Golan Mohammad Road,
Near Lake Market, P.O. Kalighat

T +91-33-2466 0242

@ kolkata@canantesting.com

OTHER OFFICES

PUNE

9821875458

RAIPUR

8800197072

INDORE

8800197080

HYDERABAD

9445834482

COIMBATORE

9445834481

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