4B Testing Equipments
PVT LTD

UNIVERSAL TESTING MACHINE

EUTM-(C) Universal Testing Machine

UNIVERSAL TESTING MACHINE : Paper tensile testing is performed with a Universal tesing machine (UTM), Which measures the paper tensile strength, elongation at break, stretch percentage, and Tensile Energy Absorption (TEA) of paper, paperboard, corrugated board and flexible packaging material. At **4B TESTING EQUIPMENTS PVT LTD**, we build and manufacture UTMs that are purpose-built for paper and packaging laboratories - with load cells, grip width, and test speeds tuned to the criteria of TAPPI T494, ASTM D828, and ISO 1924-2. So if you are operating a paper mill QC laboratory, a corrugated box manufacturing plant or flexible packaging research center, our machines provide the accurate and repeatable results your process requires.

Key Specifications :

Display	Touch Screen 7" Graphical with test data output through Inbuilt Software
Power	220V, Single / Three Phase, 50 Hz
Accuracy	± 2% at full Load 9with master load)
Standard Speed	5-500 mm/min *Optional through computer software
Grip to Grip Separation	Min 25mm and Max. 700 mm (applicable LED Display (optional as per request)
Digital load indicator	7 segment LED Display (optional as per request)

Optional Features:

Grippers for different test material also available.

Self Tighting

Grip Wedge

Vice Type grip

Compression Plate

Flexural

Roller Type Grip

Highlights :

Drive Mechanism	Variable Frequency AC Drive
Safety	Yes
Grippers (optional added based on requirement)	▪ Vice Type (Standard Gripper) ▪ Flexural ▪ Compression Plate ▪ Wedge Type ▪ Roller Type
Communication Converter	**USB / RS 485**
Material	Mild Steel
Finish	Powder coated Havel Gray & Blue combination finish and bright chrome/ zinc plating for corrosion resistant finish
Dimensions	1125 X 650 X 1550 mm

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Features :

- Advanced load sensor sensing through advanced electronics.
- Speed Control through Variable Frequency drive automation by Graphic user interface PC.
- Highly sensitive load sensor with linearity feature and repeatability
- Cross head travel length: 800 mm without grips
- Twin column rugged structure
- Safety limit switches for over travel safety
- Hardened lead screws/ball screws for frictionless movement
- Load cell calibrated by NABL approved proving ring/dynamometers
- Advanced Navigation System
- High accurate micro-controller based system controls with integrated software
- User Friendly software with intuitive icons and robust architecture
- Inbuilt hardware/software CD
- Easy Data Management. User programmable product identification, lot no., shape of specimen, company name, operator details etc.
- USB compatible for high speed data transfer
- Export Test report in excel format
- Print preview of test reports with Zoom Feature available
- Online test run status can be viewed graphically or in raw data form
- Secured working with key protection feature
- Ease of use features: Graph setup, test control wizard, formulae/result calculations, reports, live test panel.
- Graph setup: user defined graph scale/range with Graph Title
- Test Control Wizard to set test parameters like tension, compression, changeable units in Kgs/N/lbs or cm/mm/inch.
- Automatic end test/return to home position through software interface after completion of test.
- Immediate analysis of results after test with complete accuracy & precision.
- Option to email test reports
- Single Test start with one click entry of the mouse.

Reliable and user friendly software in various industries like rubber, plastics, automotive, polymers, textiles, R&D labs production, material testing. A comprehensive Universal testing solution, **4B TESTING EQUIPMENTS** Universal testing machine computerized is a one stop solution for studying tensile properties of various product.

Hot Air Oven	Humidity Chamber	Tensile Strength Tester	UV Weathering Chamber	Carbon Black Content	Melt Flow Index Tester

Contact us:

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