

Twin Column Tensile Testing Machine (Servo)



Product Info :

Twin Column Tensile Testing Machine with the latest SERVO Mechanism is the one-stop solution for precise evaluation of tension, compression, bend and flexural properties. It is the most trusted and high-selling machine that is utilized in a large number of industries and many productions and assembling units. The machine is the best testing solution for product designers as it offers a total scope of primary testing of any item in one go. The equipment accompanies the most recent and reputed make parts including the servo mechanism that allows holding higher precision while testing. The component adds to its coherence and security. Twin Column Tensile Testing Machine (SERVO) comes with high-end and in-built computer software and can help users in conducting different quality examination assessments for a wide variety of products like iron, metal and, surprisingly, elastic or a polymer, paper packaging, and medical

products. With twin sections, the steadiness and strength of the machine increase to double and can help in testing both lighter to heavy items. At the point when clients can test both the pliable and pressure strength in one normal machine, they get the opportunity not to put resources into numerous testing equipment saving money. The twin-column tester allows a wide range for testing that is 0 to 1000 Kgf, which allows the user to evaluate distinct categories of materials in one machine only. The speed of testing is controlled through the servo mechanism. The body of the machine has a powder coating that is resistant to corrosion and other environmental factors giving the equipment a long working life. The machine displays the test values and the evaluated results on a digital screen. The sturdy twin column helps in efficient testing as well as a strong base that helps in testing heavy products.

TECHNICAL DATA :

- Load Capacity Range: 0 - 1000 Kgf/10Kn, L.C: 1 Kg
- Maximum daylight (grip to grip distance): 800 mm
- Distance between 2 pillars: 500 mm
- Speed: variable by servo system
- Speed range: 0.1 mm/min – 500 mm/min
- Load indicator accuracy: +/- 0.05% of load indicated
- Extension meter: Least count of 0.001 mm through servo pulse (grip to grip)
- Grips opening: 20 mm opening
- Paint: Powder Coating
- Power: 440V AC, 3phase + Neutral (Or as per client requirement)

FEATURES :

- Servo control (Panasonic make) with drivers
- Low daylight for testing Tensile & Elongation
- Digital indication of Actual Load, Elongation and Peak Load
- The auto-stop mechanism at the breaking point
- Safety limit switches for protection of cross-head travel
- For smooth operation and conducting tests, one can use For, Rev and Stop switches present on the machine
- Users can connect the machine with any desktop or laptop using PC software
- The digital setting from the microcontroller or user can control the machine through the PC
- Microprocessor-based load indicator
- Results can be evaluated in Kg/cm² or N/mm²
- Wedge-type self-tightening grips for extra tight hold of a sample
- Wise-type grip with horizontal movement that allows XY axis movement
- Overload and excess elongation protection provided
- Over-voltage protection available
- Versatile software that allows repeat testing and comparison of test results with average result display
- Excel sheet conversion of data and graphs through PC
- Auto-selection of all values on the graph with modification option
- A software key and CD will be provided with the machine
- RS 232 interface with WINDOW-based software to conduct the test and keep a record of data with the graph for the test and calculated results of Tensile Strength at Yield Load, Break Load and Maximum Load with Percentage Elongation indication results
- Heavy-duty frame structure with Ball Screw, Servo motor Gear and Drive

Our Valuable Customer



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