

HORIZONTAL TENSILE TESTING MACHINE - HIGH CAPACITY TENSILE TEST BED



Torontech TT-HTTM-1000 Series Servo-hydraulic Tensile Test Bed is designed specifically for wire, rope, chain, shackle and cable testing, these test frames use a horizontal test opening to accommodate long specimens and high elongation demands.

APPLICATIONS



Variety of Grips/Fixtures

Horizontal Tensile Testing Machine â€™ High Capacity Tensile Test Bed

Aluminum Conductors

Horizontal Tensile Testing Machine â€™ High Capacity Tensile Test Bed

Patented Method (Alloy Socket) For Overhead Conductor

Horizontal Tensile Testing Machine â€™ High Capacity Tensile Test Bed

Dead-end Method For OPGW

Horizontal Tensile Testing Machine â€™ High Capacity Tensile Test Bed

Intuitive Software

1. Windows Based Software with pre-built test methods.
2. Programmable loading methods/steps available
3. Dashboard shows the reading from all sensors, it is not only easy to monitor the test status but also informative for trouble-shootings
4. Intuitive icons to guide operators finish the test configuration easily

Optional Sensors

Dual side located displacement sensors to eliminate the bias caused by mis-alignment or side-loading so as to get the precise extension for strain measurement.

Horizontal Tensile Testing Machine â€” High Capacity Tensile Test Bed

Horizontal Tensile Testing Machine â€” High Capacity Tensile Test Bed

High sensitive temperature sensors with dual thermal probes to get accurate average temperatures over 3 evenly distributed locations. Built-in battery allows sensors to work even with power shut of

Safety Protection

Horizontal Tensile Testing Machine â€” High Capacity Tensile Test Bed

Horizontal Tensile Testing Machine â€” High Capacity Tensile Test Bed

Two types of safety cover are available 1. Flip open 2. Slide overlap

Horizontal Tensile Testing Machine â€” High Capacity Tensile Test Bed

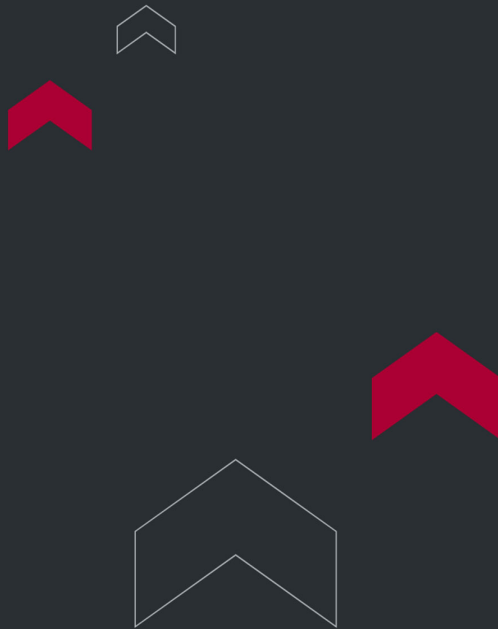
FEATURES

1. These test frames are powered by hydraulics for high strength testing and can be customized in length to meet a variety of application requirements as well as the grips can be modified to accommodate different shaped specimens and alternate grips can be provided for customers to interchange as and when their test requirements change.
2. Adjustable carriage is provided supported on free moving rollers for easy placement of the carriage appropriate to the nominal test specimen length (Depending on the design)
3. Frames, fixtures and strain measurement devices can be designed & manufactured to accommodate many types of products that require tensile tests
4. Machine is fully guarded by fixed plates at base of bed and manually operated, hinged guards at top of bed section
5. Loading accuracy well within $\pm 1\%$, small capacity within $\pm 0.5\%$,
6. With reverse loading structure to calibrate the load cell in compressive space rather than remove load cell to calibrate in on another hydraulic press, it also improves the measuring accuracy, as the load cell to be calibrated on the machine.

TECHNICAL SPECIFICATIONS

Machine Model	TT-HTTM-1000
Load Cells	1,000kN
Load Measuring Range	2% -100%
Load Indication Accuracy	$\pm 1\%$
Load Indication Repeatability	$\pm 0.2\%$
Maximum Distance Between Fixtures	6m (20ft)
Displacement Measuring Range	1mm (3.28ft)
Displacement Resolution	0.001mm
Displacement Accuracy	$\pm 0.5\%$

Moving Speed Range (Empty Load)	1-70mm/min
Moving Speed Range (Test Load)	1-50mm/min
Dimensions (Hydraulic Power Pack)	2m(W)x1m(D)x1.4m(H)
Weight (Hydraulic Power Pack)	350kg
Dimensions (Tensile Test Bed)	9m(W)x1m(D)x0.6m(H)
Weight (Tensile Test Bed)	15,000kg (33,000lb)
Voltage	3P+E+N, 380VAC/480VAC, 50Hz/60Hz
Operating Temperature	-20°C to +40°C
Protection Method	Flip Open / Slide overlap



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