MP Machinery & TESTING, LLC

Tensile Testing Machine

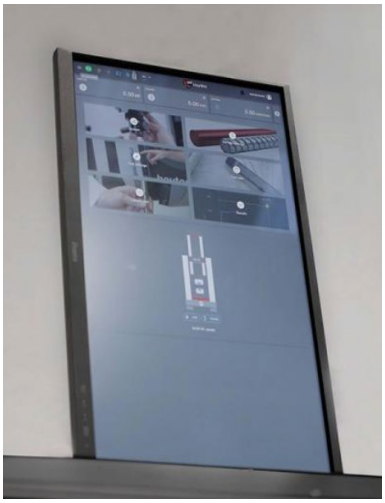
DI-CP/V4

400 – 2000 kN

MPM is an authorized distributer of Hoytom Universal Testing Machines. MPM provides installation, maintenance, and calibration services for all equipment sold within the USA.

The DI-CP/V4 model, which is part of the PRO series, has been designed to perform tensile, compression, bend/flex, and shear testing with nominal load capacities between 400 and 2000 kN. Tensile specimen gripping is carried out using the hydraulic grips which are located in the lower portion of the load frame. Compression testing is done in the upper load frame region. Each machine includes the Hoytom HoyWin test control software and custom designed electronics. This provides maximum performance and accuracy through a simple and intuitive interface.

Applications include the testing of materials, cables, fixings, concrete, composites, …etc.



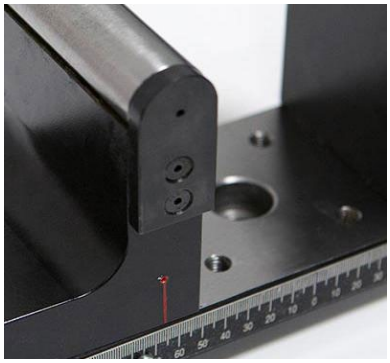
1. Dual load frame for tension and compression
2. HBM® load cell
3. HoyWin® software (several languages available)
4. 21.5 inch touch screen
5. Computer integrated into the machine
6. Remote Control
7. Hydraulic tensile grips

Optional Accessories:

Universal Jaws

Wedges for Jaws

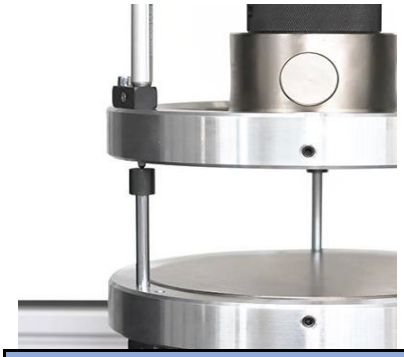
Compression Plates



Bending Bridge

Perimeter Protection

Extensometers



Compression Extensometer

Shear

Special tools

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Technical Characteristics

Capacity kN		400 - 600	1000	1500 - 2000
Piston speed in/min (higher on request)	Forward	5.9	5.9	3.9
	Backward	7.9	7.9	5.9
Piston travel in			19.7	
Separation between grips in			3.9 – 23.6	
Tensile horizontal space in		24.4	29.5	31.9
Compressive horizontal space in		13.4	17.3	19.7
Maximum height ft-in		11’2	12’10	13’1
Dimensions ft-in	Width	3’5	4’1	4’1
	Depth	2’11	3’3	3’3
	Height	9’6	11’2	11’6
Weight lb		7,937	11,023	13,228
Power supply V			380 (3 phase)	

Force Transducer

Machine accuracy (Class) ISO 7500/ASTM E4	0.5
Range	0.4% - 100% FS
Resolution	0.001% FS

Displacement Transducer

Type	Linear Encoder
Resolution	< 0.00039 in
Precision	< 0.1%