



Die Maschine

Universal testing machine

HM-V Pro Series



Technology



The HM-V 5 kN model, which is part of the Hoytom PRO series, is made for nominal capacities up to 5 kN. It can also be equipped with an extensive range of fixtures, such as tensile grips, T-slotted plates, compression plates, bending fixtures, extensometers, etc.

Each machine includes our custom designed electronics which you can read the force and travel on a touch screen. This enables users to get maximum performance and precision, through a simple and intuitive interface.

This machine allows the testing of metals, plastics, polymers, composites, wood, textiles, vidrio and ceramics in addition to many others.



Characteristics:

- Extremely rigid frame for minimum deformation during testing.
- Preload precision ball screw.
- HBM® load cell (international leader in this technology).
- HoyWin® software for material testing in multiple languages.
- 21.5” touch screen.
- Computer integrated in the machine.
- Remote Control - Smart|Remote Control.

Optional accessories:

- Large range of tools for each test.
- T-slotted plate for adapting to components with different geometries.
- Extensometers.
- Perimeter guards.
- Table to raise work area.

Capacity kN	1 - 5
Maximum Speed mm/min	1000
Travel mm	750
Space between grips *2 mm	580
Space between plates mm	700
Throat depth (horizontal) mm	140
Dimensions (W x D x H) mm	320 x 580 x 1220
Weight Kg	140
Power supply v	220 V/Single phase

Force transducer		Displacement transducer	
Machine accuracy (Class) *2	0.5	Type	Incremental encoder on servomotor
Range	0.4% – 100% FS	Resolution	< 0.001mm
Resolution	0.001% FS	Accuracy	< 0.1%

*1 With grips type MO-CP.
*2 According to Standards ISO 7500 and ASTM E4.

3 Year Warranty



with all
Hoytom[®]
machines

When you purchase a Hoytom[®] machine the equipment comes with a 3 year warranty.

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