

Product Information

Servo-Hydraulic Horizontal Static Testing Machines

LabTest 6.1500H.7 with Extended Clamping Length 10m



Machine use

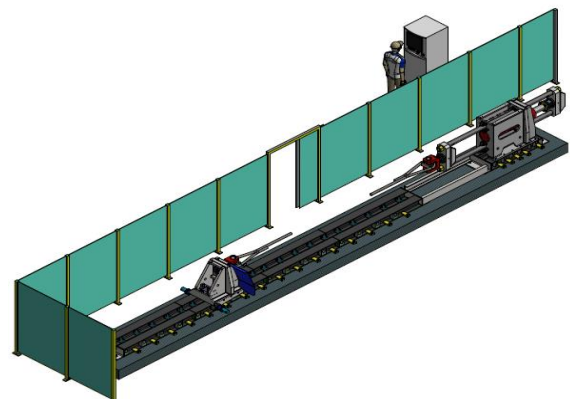
Servo-hydraulic testing machines of the series H.7 with extended length up to 25 m with adjustable (electromechanical or manual) testing area are designed for safe and effective testing of materials and whole products in tension. This series of machines is characterized by high stiffness of the frame and mechanical resistance. Wide range of hydraulic units allow **static** loading of specimens (textile straps, ropes, chains, etc.) in forces up to 1500kN.

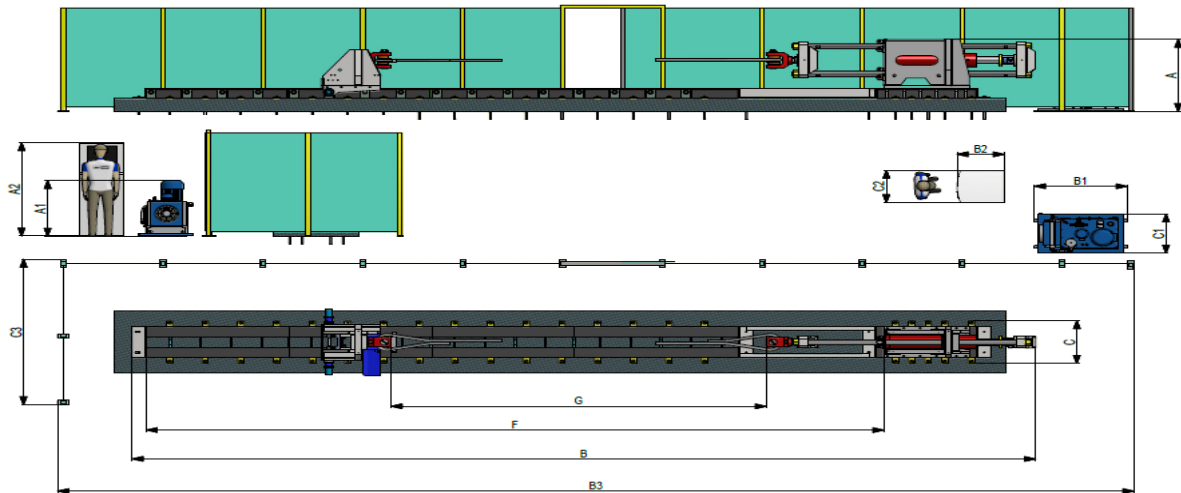
Properties of the Machine

- Horizontal frame of weld modular design concept with high stiffness and good ergonomic design.
- High level of safety according to EN 954-1 Category 3
- The unit meets all necessary safety requirements such as DIN 51333, EN ISO 13489, and other European standards
- Detection and visualization of operational errors in the program
- Centrally located controls ensuring simple handling, assembly and testing
- Extremely accurate metering of sensor
- Data output capabilities via LAN or USB interface
- Quiet hydraulic drive with low noise level <70 db and low energy consumption, automatic checking of parameters of HU and air cooling.
- Automatically controlled loading of power and position loop through a proportional servo valve.
- A modular configuration of the machine with the addition of any accessories from company LABORTECH, including special tools and clamps, strain gauges, etc.
- Measuring electronics due to the high data acquisition rate **1 kHz** and a high resolution **24-bit** AD converters allows very accurate testing in the large measuring range of the sensor without any retrofitting of the machine with other sensor.
- Ability to control the machine by remote control RMC 7 with one-touch without using a PC.
- Supports for standards EN, ISO, ASTM, GOST, CSN, DIN

The base machine includes:

- A frame including protective safety cover with electrical monitoring
- A hydraulic unit for a long-term tests with acoustic enclosure and cooling
- A hydraulic connection between the HA and the frame
- 19" touchscreen LCD monitor
- Industrial Rittal rack 2000x600x600 mm
- Air circulation unit
- Industrial PC with operating system Windows
- Measuring and control electronics EDC 220
- Preparations for the locking mechanism
- HBM Load cell, accuracy class according to EN 7500-1
- SSI Linear encoder with a resolution of 1 um
- Remote controller 7 RMC with LCD display and STOP button
- Software integrated in the remote control
- Special fixtures for chains and straps testing
- A bath to capture insulators after destruction
- Remote Access Service LABWebservis
- Documentation in requested language





Technical data	Units	6.1500H.7
Load capacity	kN	1500
Number of columns		sided fitting
X-Head shift		electromechanical
X-Head clamping		hydraulic
Machine height (A) ¹	mm	1395
Machine width (B)	mm	12665
Width of the Machine including fence (B3)	mm	15085
Depth of the Machine (C)	mm	820
Depth of the Machine including fence (C3)	mm	2810
Width of test space (D)	mm	without limits
The length of test space (F) ²	mm	10335
X-Head displacement (G)	mm	from 100 to 7690
Weight ³	kg	17500
Frame stiffness at 1000 mm – stress analysis	kN	32500
Frame for pistons with a max. stroke	mm	1300
Height of Hydraulic unit (A1)	mm	1075
Width of Hydraulic unit (B1)	mm	1300
Depth of Hydraulic unit (C1)	mm	750
Height of the Operating panel (A2)	mm	1800
Width of the Operating panel (B2)	mm	660
Depth of the Operating panel (C2)	mm	615
Environmental conditions		
Operating temperature	°C	10 to 35
Storage temperature	°C	-35 to 55
Humidity range	%	< 90
Noise level ⁴	dB	< 70
Electrical connection		
Supply voltage	V	3Ph/N/PE/400/50-60Hz
Fuse	A	32
Power range (without accessories)	kVA	16

¹Machine height including vibration dampers Technical changes are reserved by manufacturer

²The distance between the piston and reverse X-head with stretched piston

³Weight without Hydraulic Unit, force transducers and all accessories

⁴Open HU used with water cooling, and measured in a static mode, measured 1 m from the HU.

Manufacturer:

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