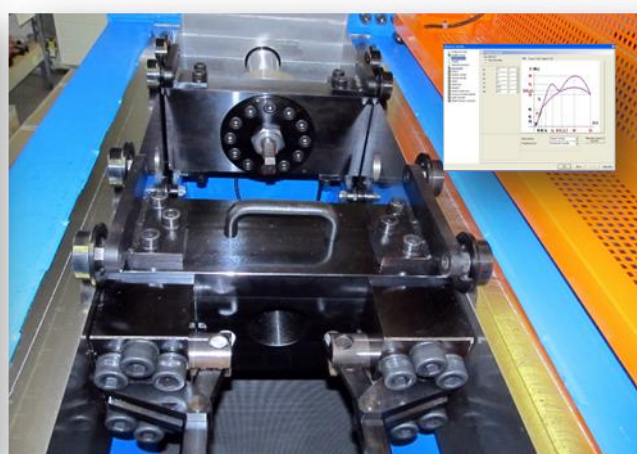


## Product Information

### Servo-Hydraulic Horizontal Static Testing Machines LabTest 6.600H.7 with Extended Clamping Length



#### Machine use

Servo-hydraulic testing machines of the series H.7 with extended length 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 frame and mechanical resistance. Wide range of hydraulic units allows **static** loading of specimens (textile straps, ropes, chains, etc.) in forces up to 600kN.

#### The base machine includes:

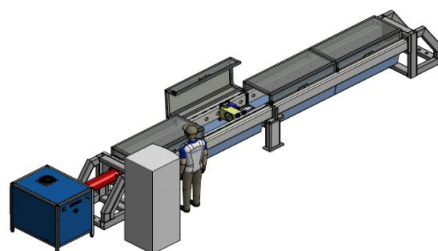
- The frame including protective safety cover with electrical monitoring
- A hydraulic unit for a long-term test with acoustic enclosure and cooling
- The hydraulic connection between the HA and the frame
- 19" touchscreen LCD monitor
- Industrial Rittal rack 2000x600x600 mm
- Air circulation unit
- 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  $\mu$ m
- Remote controller 7 RMC with LCD display and STOP button
- Software integrated in the remote control
- Remote Access Service LABWebservis
- Documentation in requested language

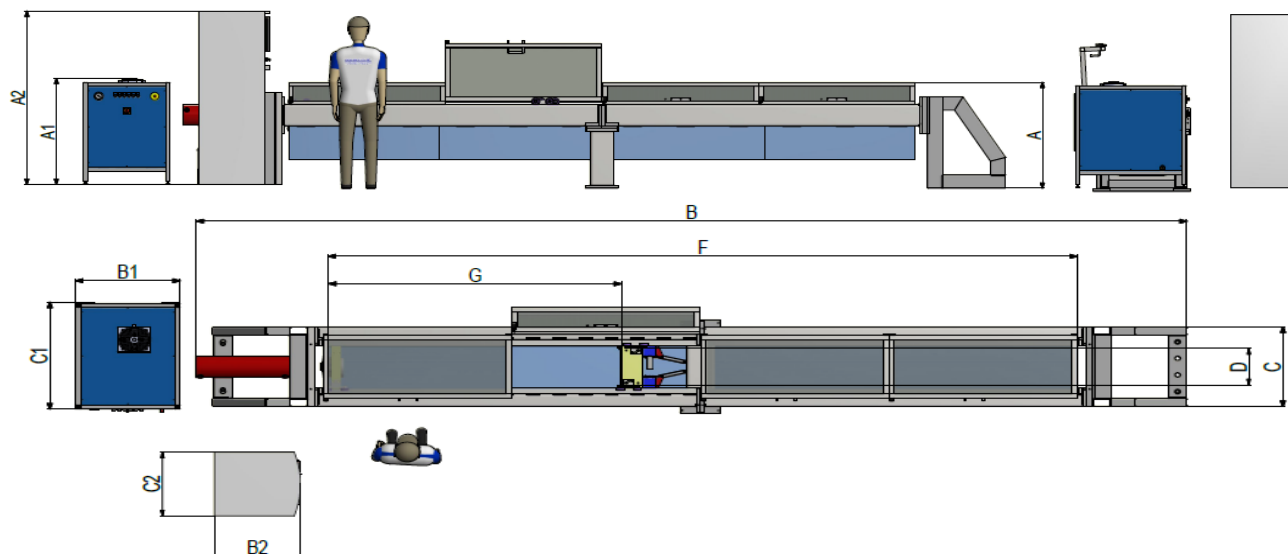
#### Supplements and accessories:

- Special fixtures according to customer's needs
- A bath for catching specimens after destruction
- More powerful cooling for long-term tests

#### 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 the sensor
- Data output capabilities via the LAN or USB interface
- Quiet hydraulic drive with low noise level <68 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 of a 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.
- Support for standards EN, ISO, ASTM, GOST, CSN, DIN





Technical data	Units	6.600H.7
Load capacity	kN	600
Number of columns		2
X-Head shift		Manual
X-Head clamping		Manual
Machine height (A) <sup>1</sup>	mm	1100
Machine width (B)	mm	7580
Machine depth (C)	mm	770
The width of test space (D)	mm	400
The length of test space (F) <sup>2</sup>	mm	5730
X-Head displacement (G)	mm	100 to 4800
Weight <sup>3</sup>	kg	3200
Frame stiffness at 1000 mm – stress analysis	kN	6800
Frame for pistons with a max. stroke	mm	1000
Height of Hydraulic unit (A1)	mm	1100
Width of Hydraulic unit (B1)	mm	800
Depth of Hydraulic unit (C1)	mm	1030
Height of the Operating panel (A2)	mm	2000
Width of the Operating panel (B2)	mm	660
Depth of the Operating panel (C2)	mm	615
<b>Environmental conditions</b>		
Operating temperature	°C	10 to 35
Storage temperature	°C	-35 to 55
Humidity range	%	< 90
Noise level <sup>4</sup>	dB	< 70
<b>Electrical connection</b>		
Supply voltage	V	3Ph/N/PE/400/50-60Hz
Fuse	A	16
Power range (without accessories)	kVA	8,5

<sup>1</sup>Machine height including vibration dampers      Technical changes are reserved by manufacturer

<sup>2</sup>The distance between the piston and reverse X-head with stretched piston

<sup>3</sup>Weight without Hydraulic Unit, force transducers and all accessories

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

## Manufacturer:

**LABORTECH s.r.o.**, Rolnická 130a, 747 05 Opava, Czech republic. Tel.: +420 553 731 956, +420 553 775 327  
 Mob.: +420 602 527 646, +420 731 656 723, info@labortech.cz, www.labortech.cz, Czech republic

## Software Test & Motion® Features

- Simple, intuitive and efficient
- Definable all kinds of protocols printing
- Individual files programming
- A set of programs for your own individual testing
- Available almost all standard methods of evaluation
- Special specific applications, programmable modules
- Digital displaying of all channels
- Extensive statistics results
- Saving the resulting data in ASCII format, SQL and Excel file
- Transferring data from other devices like touch thickness gauge, weight, etc.
- Compatibility with each EDC box system by LABORTECH company
- Possibility to add more additional channels
- Quick and efficient testing
- 9 languages (En, Cz, Ge, Fr, Pol, It, Sp, Ru, Du)
- Protocol printing in various languages
- Installation on any computer without a licence

