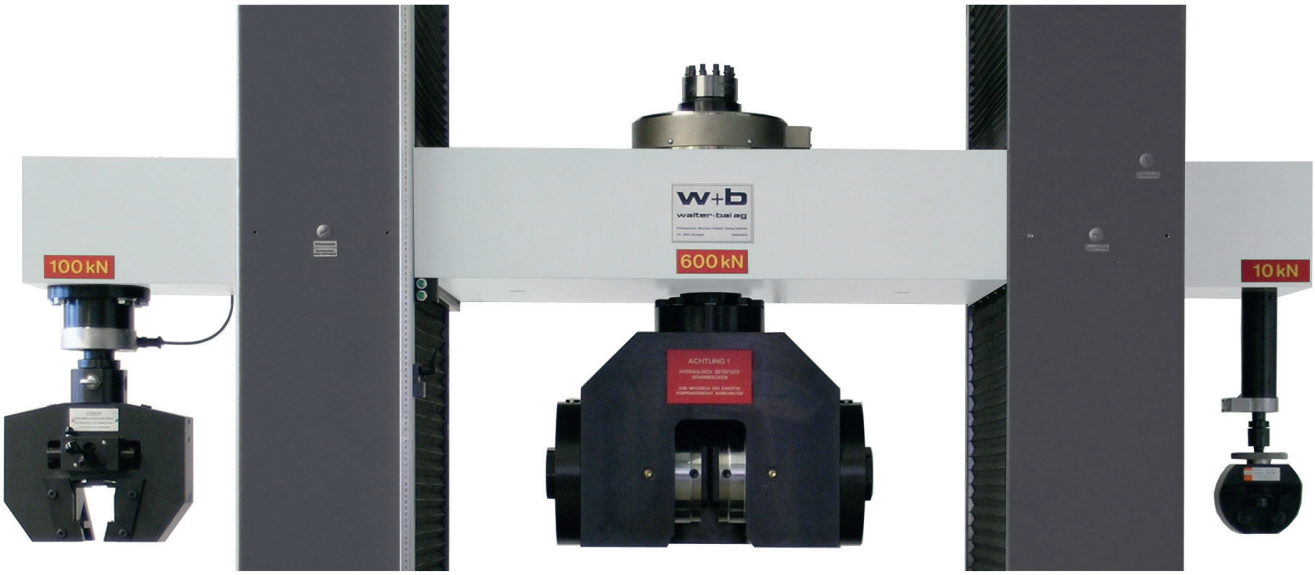
Additional Test Areas for Electromechanical Testing Machines

Testing machines that provide more than one test area generates great flexibility and help to increase the productivity.

With long history we are produce testing machines with more than one test space.
Available are dual test space machines with one test area that located above the other, side test-area(s) solutions and machines with multiple test areas which are centrally located.



Key Advantages of Additional Test Areas

- Increase our productivity as reconfiguration time is minimized or eliminated
- Extends your application range across the spectrum
- An additional test area will reduce the need of changing of heavy grips & fixtures reducing your setup time and makes operation safer and easier.
- Your test accuracy and flexibility will increase as you can individually select for each test area the suitable load cell capacity, suitable clamps and accessories for suitable for your different materials or environmental conditions.
- Using the optimal force transducer capacity assures you have the highest possible output signal from your transducer.
- Maintaining the set alignment minimizing the bending strains that can invalidate your test results.
- Reduce the space required in your laboratory compared with two independent machines.
- Reduces your investment compared with two independent machines.
- Reduces your maintenance costs, calibration expenses and IT costs.

Solutions

- Side Test-Area Machines with two or three test-areas
- Dual Test-Space Machines with two inline test spaces
- Multi-Station Testing Machines with centrally fitted multi test areas

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Side Test-Areas

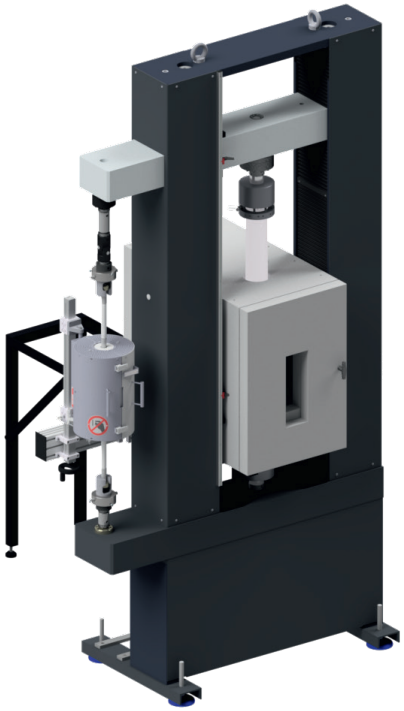
Machines with side test-area(s) features a 2nd or 3rd test area which is located on the left or right side of the frame or on both sides for model with three test areas.

Thanks to our modular load frame constructions, the additional test-area can be designed on the right or left side according to your requirements and suiting your laboratory space-, application or operator.

A key advantage to have the additional test area on the side it, that this solution offers an ergonomically work height and good access to all test areas.

The side test-area design is available for all our electromechanical testing machines series.

The capacity of the side test area(s) can be selected according to your requirements and accessories.



Extensometer supports for fully automatic units which allows to move the extensometer from one test area to the other(s) are available with manual or automatic movement.

Multi-Station Machine

with Centrally Fitted Additional Test Areas

This design offers enhanced throughput and convenient multiple test setup used to perform simultaneous, independent tests one equal specimens. Tests can be made with one specimen to maximum machines stations at the same time.

The multi-station design can be made for all electromechanical systems, in different widths and heights and load string configurations.

Multi-Station Machine

with Centrally Fitted Individual Test Areas

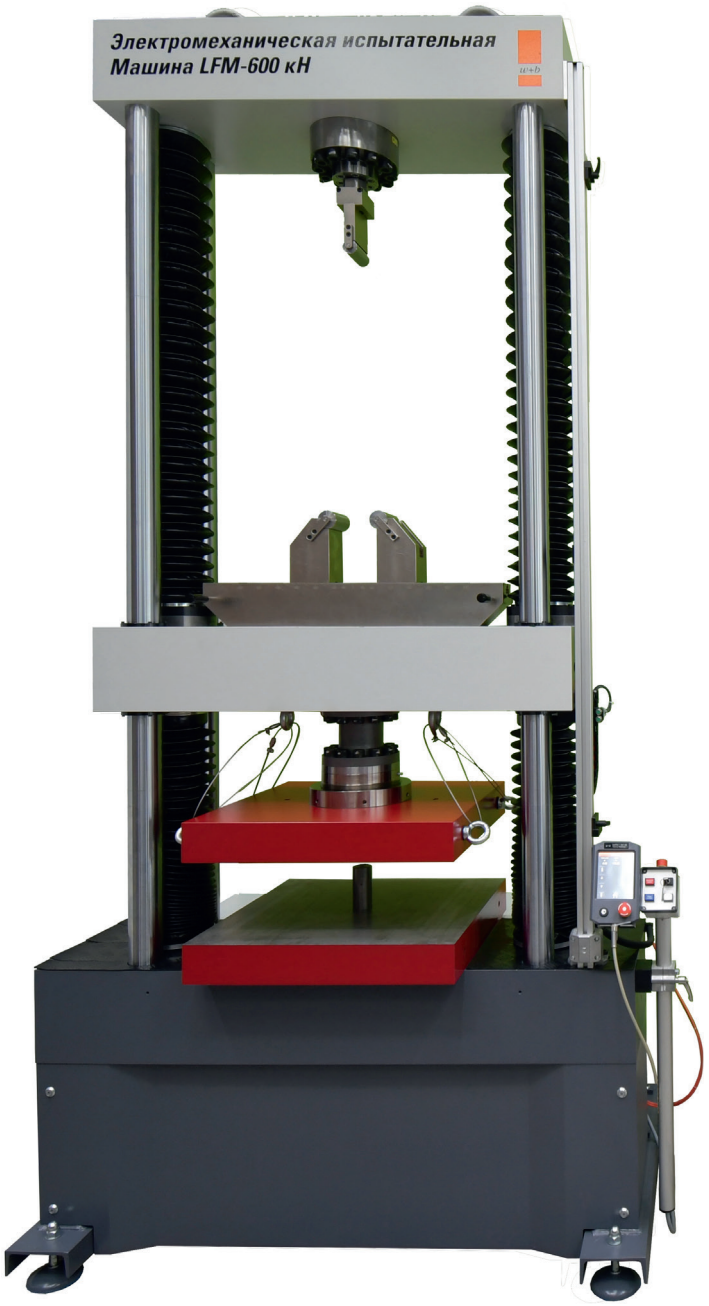
This design offers multiple test area configurations for independent tests on each test areas.

Additional side test area(s) can also be added.

The fast mounting of Grips & Fixtures or other load Cells via standardized mounting-studs with PIN provides easy, quick and accurate mounting of any accessories. Is allows in a quick way to set-up the machine also with accessories suitable to test to machines maximum force range in the central test area.

Our Videoextensometer VEX is available to measure the strain of up to 5 specimens that are tested simultaneous with only one camera.

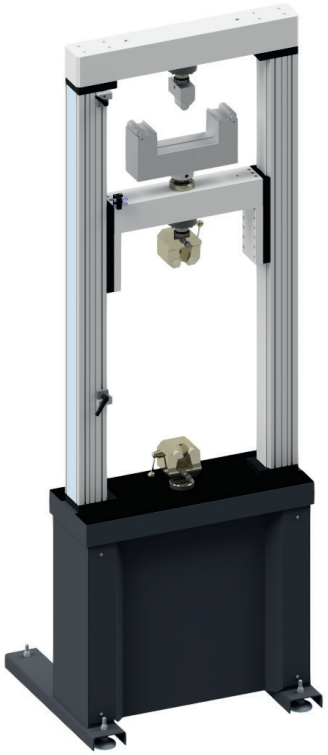
Available are also suitable multi-port environmental chambers with roller mount for testing at non-ambient temperatures.



Dual Test Space

The dual test space machines offers two inline test spaces, one work zone on top and the other on bottom below the crosshead.

This design allows to individually define the force rating of the second test space up to machines maximum capacity.
Each test space can be equipped with an individual load cell or one load cell fixed on movable crosshead that can be used for both test spaces.



Typical application includes solution for the metal industry with one tensile work- space and one bend or compression testing.

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