

## M052 TESTING MACHINE FOR FLEXION TESTS CAPACITY 15 kN

EN 196-1, ASTM C190, C348, C349; NF P 15451

**Using for fully Automatic FLEXION tests with constant load rate. It is used for the measurement of Flexion strength values into the building sector.**

The apparatus ( M053 ) is constituted by an alloy body fixed on a frame ( M053 - M052 -ACC ) to 4 columns in which are accommodated the accessories test .

The miniature load cell guarantees a high reliability of measurement results. The complete management of the tests is performed through the indicator **UDI24PRO** Digital 24-bit microprocessor with color LCD TOUCHSCREEN with 240 x 128 pixels.

- Selectable Menu in Italian, English, Spanish and Portuguese.
- Set specimen type with automatic calculation sample area.
- Setting the desired load rate (N/s; Mpa/s; mm/min) and relative tolerance +/--%.
- Possibility to create various test methods.
- Automatic calculation of maximum force Ff (kN) and Strength Rf (Mpa).
- Automatic return at the end of each test 3-10 seconds.
- Automatic saving of results in internal memory, at the end of each test.

### EASY SOFTWARE-TEST

Command Software, data acquisition and remote management. The program allows you to manage the test by PC showing real-time test load characteristic curve/time. It also allows saving data and curve in format .XML. Export XY value test curve in format .XML

### LBG TERMINAL

This application is used to download the results stored in the indicator, as it does not use the remote control with your PC and EASYTEST. The data downloaded to your PC are stored in.TXT

Full supply of:

- Load cell 15 kN (3372 lbf)
- N° 1 USB cable
- Software LBG EASY TEST
- Software LBG TERMINAL
- Instruction manual
- Calibration Certificate

**The accessories to effect all the tests have to be ordered separately.**

### TECHNICAL CHARACTERISTICS :



LBG srl  
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Load Capacity	15 kN
Resolution	0.001kN
Class	1
ISO 7500-1 (dal 2% al 100% f.s.)	
Maximun Speed	25 mm/min
Minimun Speed	0.2 mm/min
Adjustable load gradient	Da 50 a 1000 N/s
Corsa massima	30 mm
Luce orizzontale tra le colonne	260 mm
Luce verticale tra le piastre del telaio	250 mm
FRAME Dimensions	300 x 300 x 825 mm
Width x Depth x Height	
Frame weight	40,5 kg
Dimensions control unit	330 x 350 x 230 mm
Width x Depth x Height	
Control unit weight	11 kg
Power Supply	240V 1ph 50Hz + T
Max Power Absorbed	100 VA

\* On request POWER SUPPLY : 115V 1ph 60Hz +T

#### ACCESSORIES

	<p>M052-A100          DEVICE FOR BENDING TESTS EN 196-1          Distance between the knives of flexion 100 mm          Diameter of knives 10 mm          Suitable for test specimens from the side up to 50 x 50 mm</p>
	<p>M053-A107          BOX TRANSFORMER 115/230V AC per M053          Suitable for powering the equipment M053 to 115V AC 50/60Hz          Input cable without plug and cable outlet VDE.          Main Switch and fuses inside the box.</p>