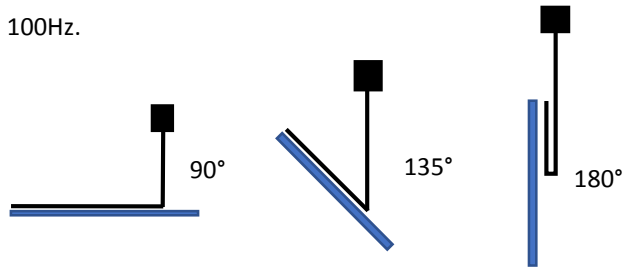


- 1 Base Housing
- 2 HMI (Display)
- 3 Spindle drive unit
- 4 Force sensor
- 5 Ribbon clamp
- 6 Cell holder

### High accuracy and data capture speed

- Remarkable accuracy and data capture speed  $\pm 0,1$  N, 100Hz.
- Flexible testing unit for M2 to M12 cells up to 12 BB.
- adhesion peel force angle  $90^\circ$ ,  $135^\circ$  or  $180^\circ$ .
- Force standardisation allows comparison of results.
- High productivity due to a wide speed range.
- (max. peelspeed 15 mm/s)
- Compact design.



### Reliable and reproducible peel results

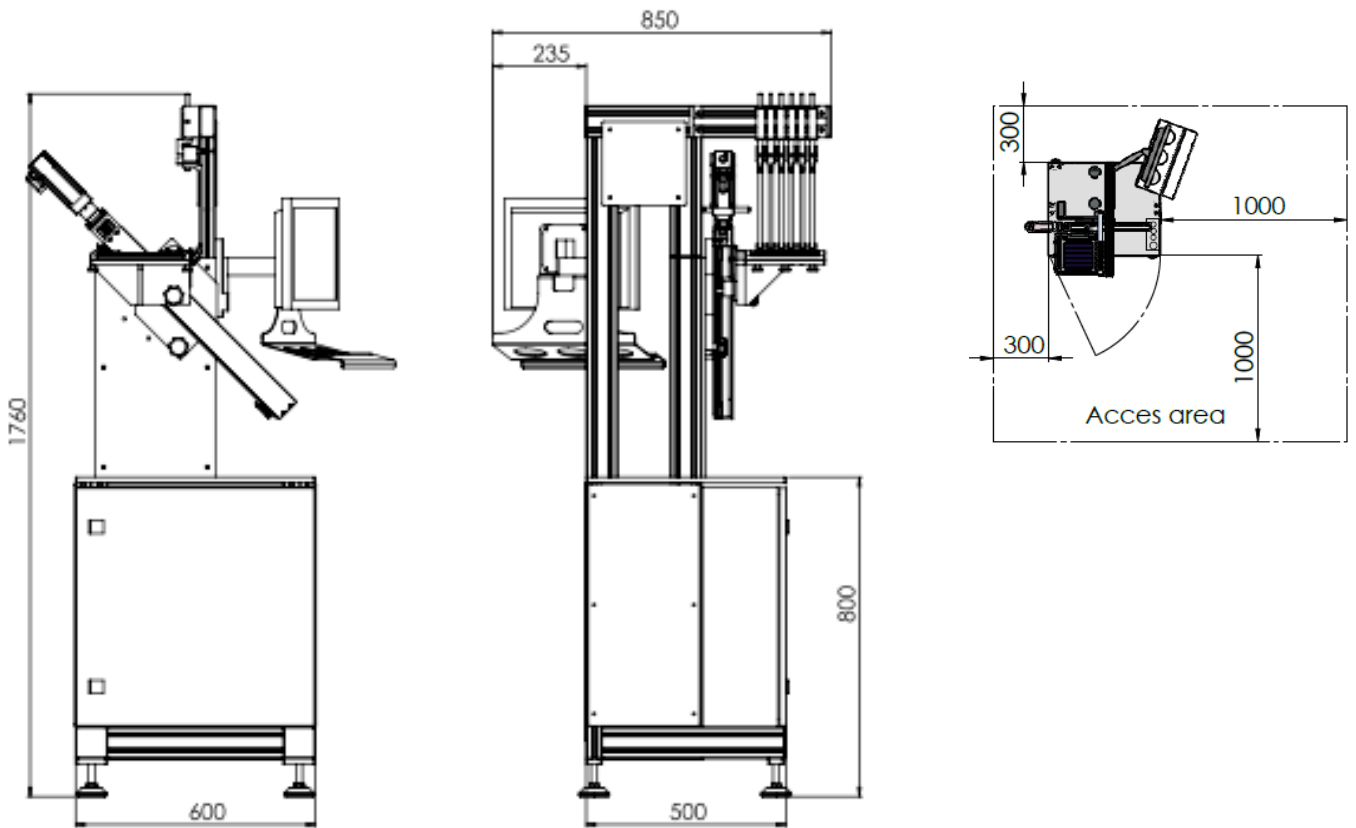
- Flexible measurement options:  
Force vs. distance or force vs. Time.
- Powerful testing applications up to 20N.
- Saves an infinite number of test results including material and user ID, date, time and parameters.
- Storing of measurement values as CSV data.
- Full PC integration for continuous monitoring or process parameters and results.



### User and maintenance friendly

- Easy to operate, cell loading and changing of peel angle without the need for tools.
- Intuitive, user friendly and multy lingual HMI function.
- Simple data saving and transfer for further analysis (USB port / Ethercat)
- Fast installation – simple to set up, calibrate and operate (“plug and play”).
- Results displayed during testing.



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**Technical specifications:**

- Footprint (l x w x h): 850 x 850 x 1760 mm
- Weight: approx. 100 kg
- Peel force angle: 90°, 135° or 180°
- Force capacity: max. 20 N
- Maximum speed: 50 mm/s
- Accuracy:  $\pm 0,1$  N, 100 Hz
- Operating temperature: +10.. + 50 °C

**Power Supply:**

- Connected load: 2 KW
- Voltage: 1x230V/N/PE
- Current: 9 A
- Pre-fuse: 16A

**Cell details:**

- Cell technology, types: Mono & polycrystalline, PERC, heterojunction (HJT)
- Cell Size: From M0 till M12 full cells, 1/2 and 1/3 cut
- interconnection Ribbons: Up to 12 busbar
- Cell thickness: 160 - 250  $\mu$ m

\* all shown figures are exemplary and not guarantees characteristics, M10 reserves all rights of changes

Kindly note: All shown figures have been verified and certified by M10 Industries AG with common in market available materials. However the characteristics are strongly related to incoming materials and may vary.