# FORCEMETRE

## Characterization and control of fastening operation, riveting operation and spring elements through combined measurement of force and displacement.


**Benefits:**

- Compact bracket
- Intuitive touch screen interface
- Visual and audio signalization of the operation status
- Possibility to create programs and work sequences
- Adjustable min/max limits for force and displacement
- Possibility to set the zero in position
- Gear free lever with force feedback
- Mechanical clutch system to avoid overloading
- Adjustable mechanical stop
- Graphical tests results visualization
- Possibility to export the results to a PC
- Possibility to transfer results and programs via an SD card


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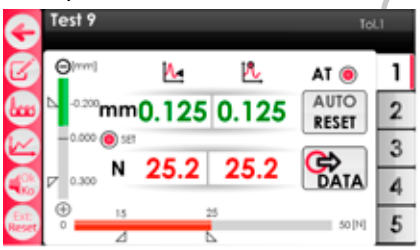
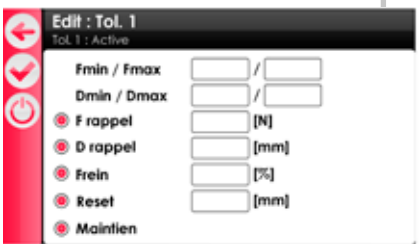
Visual and audio signalization of the operation status:

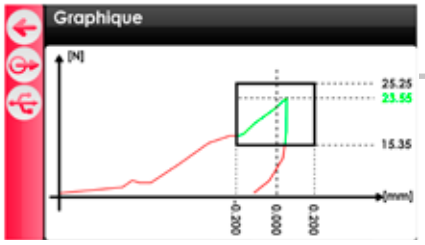




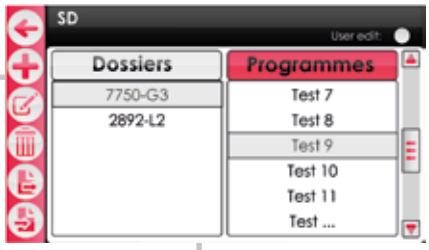
Test parameters:




Graphical visualisation of an operation:




Possibility to create and manage programs:




**Technical specifications:**

- Alignment between spindle and base: +/- 0.015mm
- Clearance around the spindle 0.005mm
- Space under the spindle: 35.85mm
- Space under the spindle with the extension block: 24.85mm
- Space under the spindle with HORIA cleat: 22.62mm
- Space under the spindle with HORIA cleat and extension block: 11.62mm
- Displacement range: 25mm
- Displacement range / precision of the mechanical stop: 15mm / 0.01mm
- Base diameter: 50mm, h 11mm (included)
- Spindle and base adjustment diameter: 4 H6
- Force measurement range: 50N
- Force measurement precision: +/-0.5% (+/- 0.25N)
- Distance measurement precision: +/- 0.003mm
- Sensor deformation under 50N: <0.01mm

**Dimensions / Power supply:**

- Bracket: 100 x 120 x 205mm / 2 kg
- Display unit: 180 x 100 x 135mm / 0.5kg
- Table power supply

**Peripherals:**