

VR5C

**Hardness testing
machine with
test point preparation**

EMCO-TEST
YOUR FACTOR OF SAFETY.

All in one. Test point preparation, integrated chip suction, hardness testing

VR5C-concept based to:

- Hardness testing machine with test point preparation for test methods Brinell and Rockwell according to standards (HBW 10/3000, HRC, ...)
- Control of hardness testing unit via LCD touchscreen display.
- Fully automatic test cycle inclusive swivelling-in of the lens for an uninfluenced image analysis according to standards.
- Vertical column with horizontal slide for mounting various modules for test point preparation and hardness testing.
- Milling unit inclusive downholder, milling slide, milling depth sensor sensor module and suction unit.
- Axis drive via adjustable AC-motors.
- Siemens SPS-control and command desk with evaluation system.
- Complex data management with efficient import and export functions.
- Statistics, histograms and hardness progression graphs can be created.

Expandable modules:

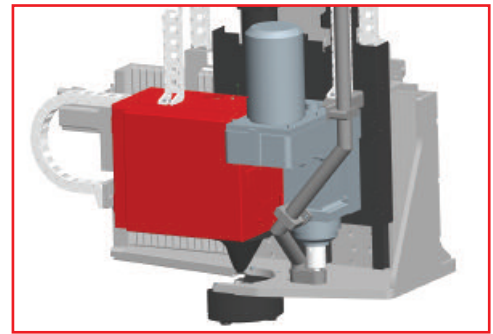
- Rotatable vertical column for the improvement of work piece feeding (swivelling area -90° 0° $+90^{\circ}$)
- Laser pointer for the determination of milling/testing points
- Main frame including test anvil
- Optional equipment:
Expandable with load- and unload device

Technical data:

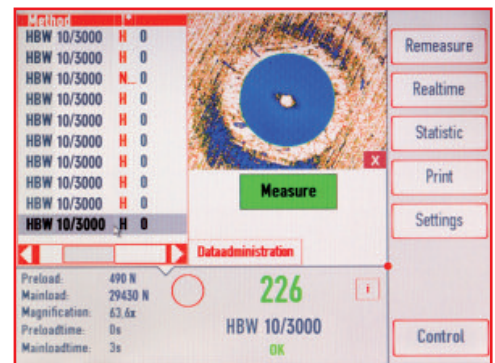
- Test loads: 588 - 29430 N
(60 - 3000 kgf)
- Vertical stroke: approx. 700 mm
Horizontal stroke: approx. 650 mm
- Testing space: approx. 1400 x 650 mm
- Dimensions (l x w x h): approx. 2600 x 1600 x 2700 mm
- Weight: approx. 3700 kg
- Power consumption: approx. 12 kW, 400 V, 50/60 Hz

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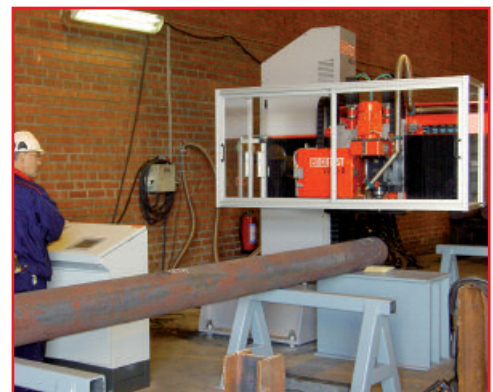
Schematic diagram of testing and milling unit



Control of hardness testing unit via LCD touchscreen display



Image of milling and hardness test point



Application example with round rods

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