

BRINELL HARDNESS TESTERS WITH MILLING SURFACE PREPARATION

FOR FORGES AND HEAT TREATERS





STATIONARY BRINELL SYSTEMS WITH SURFACE PREPARATION BY MILLING

Unique multi-tool system equipped with milling body, Brinell indenter, objective with camera and a laser pointer. This is a technological innovation in support of quality control bringing the hardness measurement to the next level.







ADVANTAGES

SAVE TIME, MONEY AND INCREASE ACCURACY!

- 45 sec for one complete test including surface preparation
- Test 100% of production with maximum Brinell accuracy better than 0.5%
- No risk of human error, thanks to the optimal milled surface roughness and the automatic reading through camera
- Automatize the quality inspection process
- Move human resources to other jobs
- Always the same surface roughness, no risk of damaging or heating the testing surface
- Thanks to the time saving and less human resources involved in hardness measurements, the investment results in higher testing efficency and precision. (will have fast return)

WHAT'S MORE?

- Clamping system with programmable pressing force
- Possibility to test 40mm from sample walls or small samples
- No vibrations during milling
- Dedicated stand support designed for Brinell tests at 3000kgf
- Possibility to program up to 2000 RPM
- Milling depth up to 5 mm
- Milling hardness up to 55HRC

MODELS SHOW US YOUR SAMPLE, WE SUGGEST YOU THE RIGHT STAND FRAME















AUTO PROCESS OF TEST CYCLE HARDNESS TEST ON RINGS

The hardness tester is in home position (90° right side from the center). The red flag is completely turned sidewards to free space for loading the sample.



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The hardness tester blocks the sample and performs two tests automatically along with milling sample preparation, indenting and reading (auto-illumination, auto-focus and auto-reading).



After pressing the start button, the red flag rotates automatically over the sample (center position) and immediately moves downwards till the ring is clamped.





When test cycle is finished, the hardness tester returns in home position, being ready for a new test.



EXAMPLE OF APPLICATION GENERAL





Brinell test on any sample geometry. Our hardness tester can test 30mm from a wall.





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TEST 100% OF PRODUCTION









