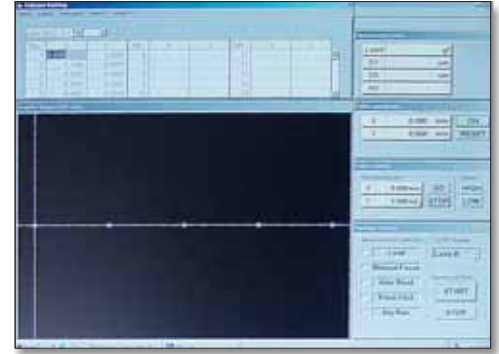


- It is a version derived from the 270 VRS series for automatic Vickers measurements with full electronic detection and software for immediate Vickers results.
- Single initiation of automatic test sequence comprising:
  - auto contact with the test sample over extended stroke of head for 50 mm and more
  - including automatic clamping
  - compensation for deflection of test piece or test surface up to 50 mm
  - minor-load application
  - major load application
  - removal of major load
  - readout and removal of the minor load
  - raise head up to 50 mm to release sample
  - uninterrupted sequence: with incremental force created using load cell and closed loop integral AFFRI system.
- The minor and major force are generated directly on the axis of indenter eliminating errors due to lever ratio.
- Height capacity from 0 to 200 mm
- Depth capacity 170 mm
- Large base 270x330 mm to accommodate both light and heavy parts for secure stability of test pieces and accurate measurements in every condition, unaffected by dust, oil, or flexible parts such as a spring. Able to support samples up to 2000 Kg.



Programmable step by step indentations



Motorised X-Y table  
100x100 mm  
div. 0.01 mm (optional)

Computer for X-Y table

**Technical characteristics**

Test load programmable	(0.2 0.5 1 2 3 5 10 15 30 Kgf) 1.96 4.90 9.81 19.6 29.43 49.05 98.1 147 294 N - Vickers
Test Load	147 - 294 - 441 N (15-30-45 Kgf) Superficial Rockwell
Readout	HV - HRC
Readout resolution	0.1HV - 0.1 HRN
Test time	programmable
Data out	RS 232C output data
Weight	70 Kg
Height capacity	from 0 to 200 mm
Input	Single initiation for entire cycle including auto-contact of test sample plus full hardness cycle
Power supply	220V 50÷60Hz - 200VA

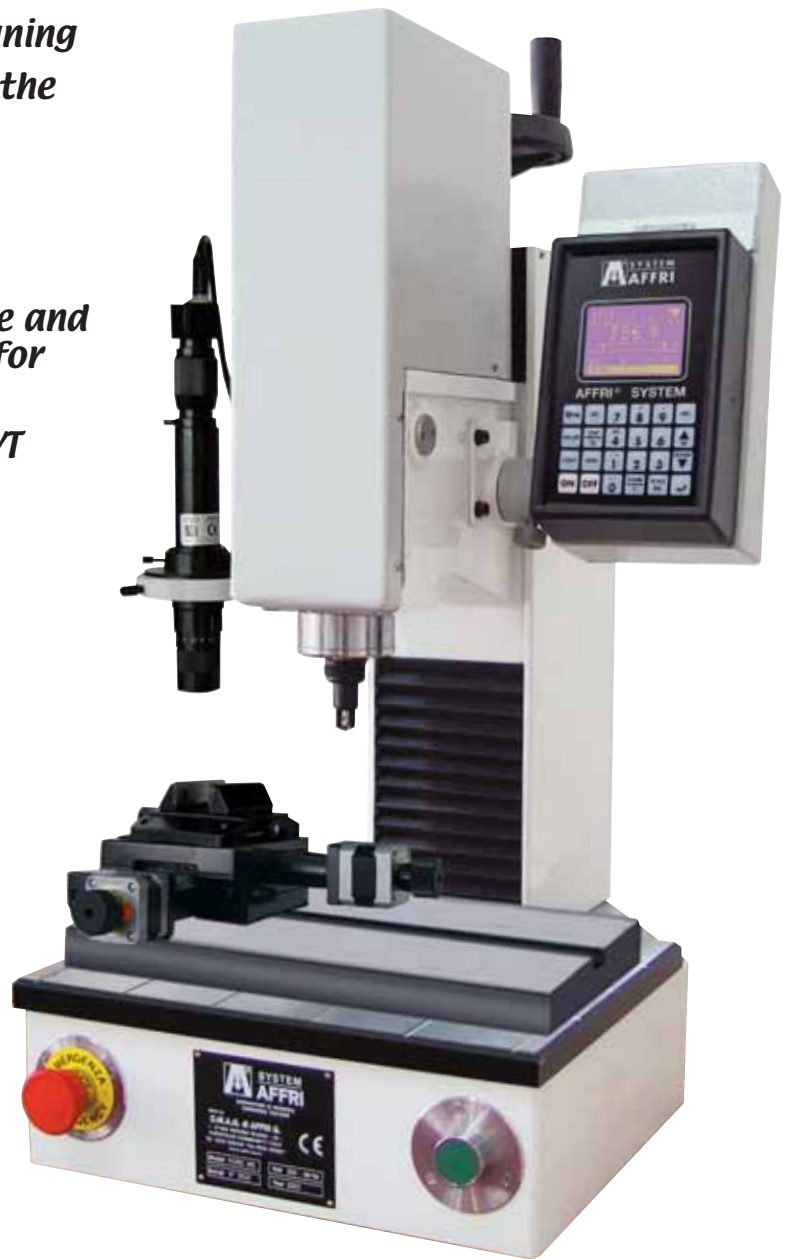
**Applicable accessories**

**Standard**

- Diamond Indenter for Vickers
- Vickers test block
- Motorised X-Y table 100 x 100 mm div. 0.01 mm
- Manual X-Y table 100 x 100 mm div. 0.01 mm
- Computer and software to programm automatic cycles step by step
- Printer
- 1 "V" anvil Ø60
- 1 Flat anvil Ø60
- 1 Combined spot anvil for small round and flat pieces
- 1 Wooden case
- 1 Calibration certificate
- 1 Warranty certificate
- 1 Hardness conversion table
- 1 Dust Cover
- 1 HRN Diamond penetrator
- 1 HRT ball penetrator Ø1/16"
- 1 HR30N test block
- 1 HR30T test block



- **Saves time and does not require sample preparation**
- **Does not require mirror surface cleaning**
- **Non destructive test, you can check the test piece without cutting**
- **Save 40% on equipments costs**
- **Save 80% on test time**
- **Easy to motorize X-Y table for fully automatic tests series on the sample and automatically locate test positions for Zig-Zag tests**
- **Direct readout HV 0.2 to HV 10 by HVT system**
- **Diagrams of depth following heat treatment are available**



Optional screen, note book combined with camera and software for automatic Vickers Brinell measure



Automatic Vickers



AUTO CONTACT WITH TEST PIECE AND AUTOMATIC TEST CYCLE

