

330 PRS / PRS-S



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HIGH SPEED HARDNESS TESTER FOR FAST TESTS IN PRODUCTION AREA

- High speed hardness tester for fast and high volume tests up to 1500 tests per hour
- Innovative measurement technology with vertical measure; original AFFRI system®
- 330PRS is equipped with a unique Static load generate by dual load
- 330 PRS AFFRI System achieves the highest level of measurement of depth accuracy and resolution available for a Hardness test
- Constant high repeatability and accuracy in every test condition
- A single start button to perform surface contact and test piece clamping from any distance and automatic test cycle, programmable return stroke
- Automatic clamping system active for unstable test sample
- Wide working area bearing 1000 kg test piecesw

VERY HIGH PERFORMANCE

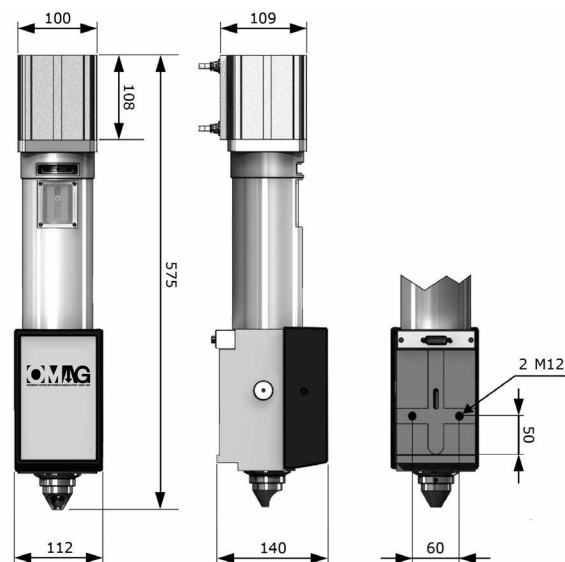
- Unaltered operation even in extreme conditions

ALL OPERATIONS ARE MANAGED BY A SINGLE DRIVE INCLUDING AUTOMATIC CONTACT WITH TEST PIECE FROM ANY DISTANCE INCLUDING CLAMPING PIECE

- Pushing the Start button, 330 PRS head moves down to reach the test surface from distance

multiples of 50 mm and automatically starts the hardness test cycle in automatic succession without breaching a phase:

- clamping of the piece;
- activation of reference surface;
- entire test cycle performance and release of piece.



Details of single head for independent use

TECHNICAL DATA

	330 PRS	330 PRS-S
Action	Head developed to perform high number of tests in continuous cycle. The head moves down, the sample is clamped and the reference surface activated	
Accuracy	Better than 0.5 %	
Temperature Range	From 10 °C to 35 °C	
Data Output	RS 232 C (USB as option)	
Power Supply	110 or 220 V / 50÷60 Hz / Pneumatic 4 bar	
Software	Affri - CMAG	
Principle of Operation	Load Cell and Closed Loop	
Preload	98,08 N (10 kgf)	29,42 N (3 kgf)
Force Range	Rockwell - 588.4 - 980.7 - 1471 N (60 - 100 - 150 kgf) Brinell - 612.9 - 1839 N (62.5 - 187.5 kgf)	Superficial Rockwell - 147.1 - 294.2 - 441.3 N (15 - 30 - 45 kgf)
Feasible Tests	Rockwell - Brinell	Superficial Rockwell
Standards	EN-ISO 6506 / EN-ISO 6508 / ASTM E10 / ASTM-E18 / EN-ISO 6508 / ASTM-E18	
Head Stroke	380 mm	
Indenter Stroke	50 mm	
Depth Capacity	200 mm	
X-Y Table	330 x 390 mm	
Tolerable Weight	2000 kg	
Fields Of Use	For all metals: iron, steel, tempered steel, bronze, aluminium Thickness over 0.6 mm	
Packing Weight	125 kg	
Packaging Measurements	72 x 72 x 190 cm	

APPLICABLE ACCESSORIES

Rockwell

- Rockwell C indenter
- Rockwell B indenter
- Rockwell test blocks C-B

Brinell

- Ball indenter 2.5 - 5 mm
- Brinell test block for ball 2.5 - 5 mm