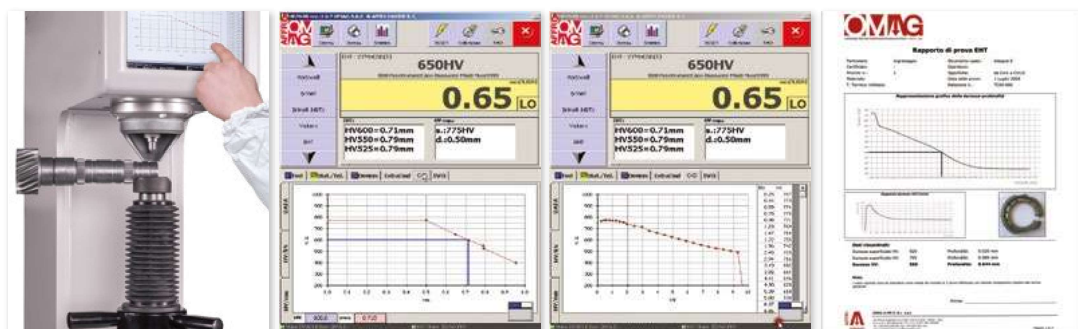


LD 3000 AF



- The LD 3000 AF will determine (CHD) Case Hardness Depth without destroying the specimen, with great precision and minimal operator intervention. LD 3000 AF let you to realize Case Depth test from 0.01 mm to 1.8 mm
- Testing can be performed on a non-metallographic prepared specimen. The load force speeds are controlled to one thousandth of a second, and measures the indentation to the highest precision (0.01um), resulting in accurate Rockwell and Superficial Rockwell
- The system has a built touch screen with a user friendly interface. Standard and custom reports can be easily generated. HDTL software version, supplies the Hardness and hardness depth values at HV2 525 - 550 - 600 - 650
- The HDTL Plus version offers the complete report and graph, assisting in displaying the complete sample decarbonised zone
- LD 3000 AF conforms to **ISO-6508** and **ASTM E-18**
- Possibility to store the data or connecting to database networks, PC's and printers, to download data or for final custom reports
- Auto reading on Rockwell, Superficial Rockwell, Brinell and Vickers scales



FORCE RANGE

Preload:	29.42 - 98.07N (3 - 10 kgf)
Rockwell:	588.4 - 980.7 - 1471 N (60 - 100 - 150 kgf)
Superficial Rockwell:	147.1 - 294.2 - 441.3 N (15 - 30 - 45 kgf)
Brinell:	9.807 - 49.03 - 61.29 - 98.07 - 147.1 - 294.2 - 306.5 - 612.9 - 1839 - 2452 - 4903 - 7355 - 9807 - 29421 N (1 - 5 - 6.25 - 10 - 15.6 - 30 - 31.2 - 62.5 - 187.5 - 250 - 500 - 750 - 1000 - 3000 kgf)
Vickers/Knoop:	9.807 - 29.42 - 49.03 - 98.07 - 147.1 - 196 - 294.2 - 490.35 - 980.7 N (1 - 3 - 5 - 10 - 15 - 20 - 30 - 50 - 100 kgf)

FEASIBLE TESTS

HDTL:	CHD with non-destructive method. HV525 - HV550 - HV600 - HV650 (More on request)
Rockwell:	HRA - HRB - HRC - HRD - HRE - HRF - HRG - HRH - HRK - HRL - HRM - HRP - HRR - HRS - HRV
Superficial Rockwell:	HR15N - HR30N - HR45N - HR15T - HR30T - HR45T - HR15S - HR30S - HR45S - HR15W - HR30W - HR45W - HR15X - HR30X - HR45X - HR15Y - HR30Y - HR45Y
Brinell HBWT:	2.5/62.5 - 2.5/187.5 - 5/125 - 5/250 - 5/750 - 10/500 - 10/1000 - 10/1500 - 10/3000
Brinell HBW:	Generate Indentation: HBW1/1 - HBW1/2.5 - HBW1/5 - HBW1/10 - HBW1/30 - HBW2.5/6.25 - HBW2.5/15.625 - HBW2.5/31.25 - HBW2.5/62.5 - HBW2.5/187.5 - HBW5/25 - HRW5/62.5 - HBW5/125 - HBW5/250 - HBW5/750 - HBW10/100 - HBW10/250 - HBW10/500 - HBW10/1000 - HBW10/1500 - HBW10/3000
Vickers:	Generate indentation HV1 - HV2.5 - HV 3 - HV 5 - HV 10 - HV 20 - HV 30 - HV 50 - HV 100

TECHNICAL DATA

Conformity Standards:	EN-ISO 6506-2 / EN-ISO 6507-2 / EN-ISO 6508-2 / EN-ISO 14577 / ASTM-E10 / ASTM-E18 / ASTM-E103 / ASTM-E384 / JIS
Load accuracy:	Better than 0.05 %
Readout Division:	HR / 0.1 HBWT
Indenter Stroke:	Motorized 30 mm / 1.2"
Height Capacity:	150 mm / 6" - Removing the elevating screw, the vertical capacity increase till 300 mm / 12"
Depth Capacity:	190 mm / 7.5"
Tolerable Weight:	3000kg. Removing the elevating screw, the tolerable weight can be increased to more than 3000kg.
Dwell Time:	From 5 to 60 seconds programmable
Network:	Wire Ethernet connection for technical assistance, auto diagnosis and support
Temperature Range:	From 10 °C to 35 °C
Data Output:	USB / Ethernet
Power Supply:	110 or 220 V / 50±60 Hz - Air compressed 5 ATM
Software:	OMAG / AFFRI
Principle of Operation:	Load Cell and Closed Loop (Affri patent)
Fields Of Use	For hardness case depth test with non-destructive method on finished product and all metals: Iron, steel, tempered steel, cast iron, brass, aluminum, copper and metal alloys. Heat treatment, hardening, nitriding, cementation and hardfacing.
Packing:	350kg - 140 x 100 x 65 cm / 55 x 39 x 25"