



CL TECH AND SUPPLY CO.,LTD.

27/92 Soi Arthornupatum , Pracharad 1 Rd., Bangsue , Bangkok 10800

Tel : 0-2587-3752

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Web Site : www.cltech.co.th E-Mail : sales@cltech.co.th

Hardness Tester

DAKOMASTER 300

Automatic hardness tester for Rockwell, Superficial Rockwell, Brinell, Vickers and Shore test methods in compliance with ASTM and ISO hardness standards. Dakomaster 300 is a top level bench hardness tester with a wide touchscreen allowing easy test planning and a clear view of results. Statistics and diagrams are automatically generated and can be stored with test session in the large archive. User friendly interface with conversion tables and round correction values for tests on convex cylindrical surfaces or various diameters. This hardness tester is fully motorized for fully automatic test cycles, with a long motorized head stroke and a large base. Load forces are applied through load cells and electronically controlled in Closed Loop (Pat. Affri). Hardness testing on all metals: iron, steel, tempered steel, cast iron, brass, aluminum, copper and metal alloys. Heat treatment, hardening, nitriding, cementation and hardfacing. Hard and soft plastics

Test loads: from 1 to 250 kgf (From 9,807 to 2452 N)

Rockwell ISO 6508 / ASTM E-18: HRA - HRB - HRC - HRD - HRF - HRG - HRL - HRM - HRR / HRN - HRT

Brinell HBWT ISO 6506 / ASTM E-10: HB 30 - HB 10 - HB 5 - HB 2,5 MPa (F/D2)

Vickers ISO 6507 / ASTM E-384 (Only indentation): HV1 - HV3 - HV5 - HV10 - HV15 - HV20 - HV30 - HV50 - HV100



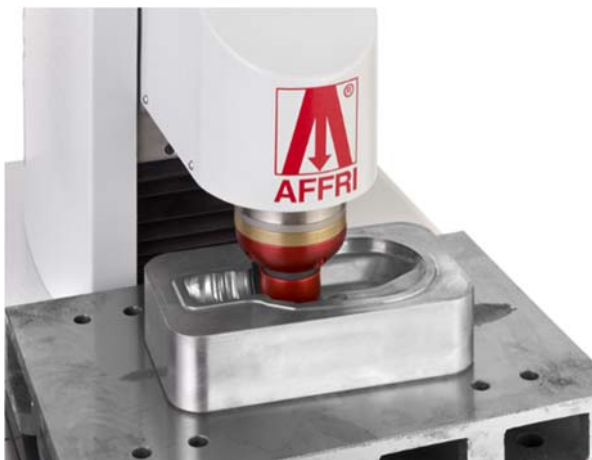
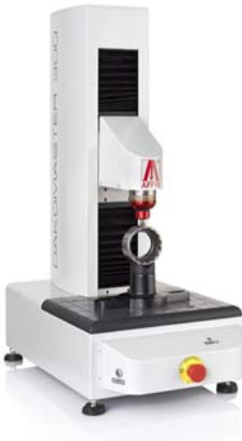
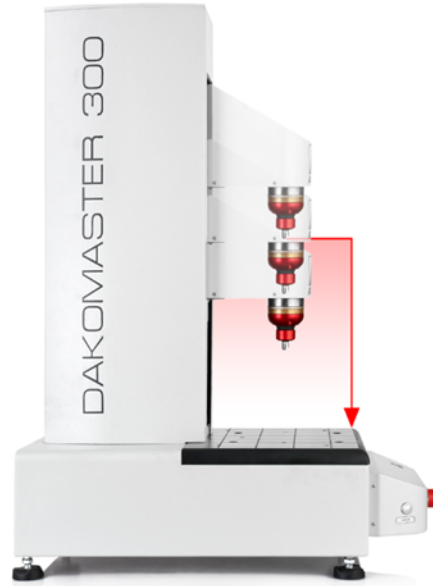
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DAKOMASTER 300	
Standards	EN-ISO 6506-2 / 6507-2 / EN-ISO 6508-2 / EN-ISO 2039 / ISO 868 / ASTM-E18 / ASTM E-10 / ASTM E-384 / ASTM 2240 / JIS
X-Y Table	390x295 mm
Vertical head stroke	0/300 mm Motorized
Depth capacity	130 mm
Preload	29.4 - 98.1 N (3 - 10 kgf)
Force range	<p style="text-align: center;">Rockwell: 588.4 - 980.7 - 1471 N (60 - 100 - 150 kgf)</p> <p style="text-align: center;">Superficial Rockwell: 29.42 - 147.1 - 294.2 - 441.3 N (3 - 15 - 30 - 45 kgf)</p> <p style="text-align: center;">Brinell: 9.807 - 49.03 - 61.29 - 98.07 - 153.2 - 245.2 - 294.2 - 306.5 - 612.9 - 1226 - 1839 N (On request 2452 N)</p> <p style="text-align: center;">(1 - 5 - 6.25 - 10 - 15.6 - 25 - 30 - 31.2 - 62.5 - 125 - 187.5 kgf - On request 250 kgf)</p> <p style="text-align: center;">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)</p> <p style="text-align: center;">Optional tests: 49 - 132 - 358 - 961 N (For plastics and rubbers as per EN-ISO 2039 std)</p>
Feasible tests	<p style="text-align: center;">Rockwell: HRA - HRB - HRC - HRD - HRE - HRF - HRG - HRH - HRK - HRL - HRM - HRP - HRR - HRS - HRV</p> <p style="text-align: center;">Superficial Rockwell: HR15N - HR30N - HR45N - HR15T - HR30T - HR45T - HR15W - HR30W - HR45W - HR15X - HR30X - HR45X - HR15Y - HR30Y - HR45Y</p> <p style="text-align: center;">Brinell HBWT: HB1/10 - HB1/30 - HB2.5/6.25 - HB2.5/15.625 - HB2.5/31.25 - HB2.5/62.5 - HB2.5/187.5 - HB5/25 - HB5/125 - HB5/250</p> <p style="text-align: center;">Vickers (Only indentation): HV1 - HV3 - HV5 - HV10 - HV15 - HV20 - HV30 - HV50 - HV100</p>
Accuracy	Better than 0.5 %