

超现代硬度测试技术

ULTRA-MODERN HARDNESS TESTING TECHNOLOGY



Q250 C/CS
Q750 C/CS
Q3000 C/CS

硬度测试应用

HARDNESS TESTING REDEFINED

BRINELL
DIN EN ISO 6506, ASTM E-10

HBW 1/1 /2.5 /5 /10 /30
HBW 2.5/6.25 /15.6 /31.25 /62.5 /187.5
HBW 5/25 /62.5 /125 /250 /750
HBW 10/100 /250 /500 /1000 /1500 /3000

HBT (not acc. to standards)

VICKERS
DIN EN ISO 6507, ASTM E-384, ASTM E-92

HV 0.5 HV 1 HV 2 HV 3 HV 5
HV 10 HV 20 HV 30 HV 50 HV 100

HVT (not acc. to standards)

ROCKWELL
DIN EN ISO 6508, ASTM E-18

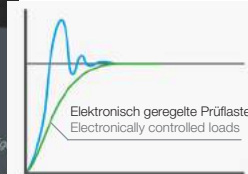
HRA - HRV HR 15-N/T/W/X/Y
HR 30-N/T/W/X/Y HR 45-N/T/W/X/Y

UMWERTUNG / CONVERSION
DIN EN ISO 18265, DIN EN ISO 50150, ASTM E140



令人信服的优点

CONVINCING BENEFITS

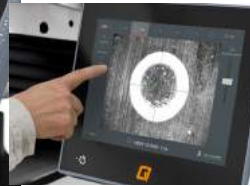


全自动测试进程：采用电子加载及试验力闭环控制的方式
Fully automated test cycle with electronic weight application and closed-loop control

Test ID	Material	Force (N)	Diagonal 1 (µm)	Diagonal 2 (µm)	Result (HBW)
001	Alu 6061	490,3	1490,70	1479,58	423
002	Alu 6061	490,3	1490,70	1479,58	423
003	Alu 6061	490,3	1490,70	1479,58	423
004	Alu 6061	490,3	1490,70	1479,58	423
005	Alu 6061	490,3	1490,70	1479,58	423
006	Alu 6061	490,3	1490,70	1479,58	423
007	Alu 6061	490,3	1490,70	1479,58	423
008	Alu 6061	490,3	1490,70	1479,58	423
009	Alu 6061	490,3	1490,70	1479,58	423
010	Alu 6061	490,3	1490,70	1479,58	423

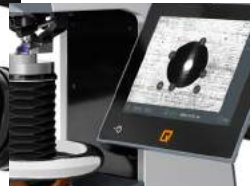
操作简单：QPIX T2软件控制，自动图像评估和亮度调整，自动聚焦，手动重新测量，多种统计功能等。

Simple operation: Qpix T2 software, automatic image evaluation and brightness regulation, fast auto-focus, manual re-measurement, numerous statistical functions inter alia.



电容式12"触摸显示屏：可以精确显示压痕图像，并且带有USB接口

Capacitive 12" touch display: for precise display of hardness testing points with built-in USB port



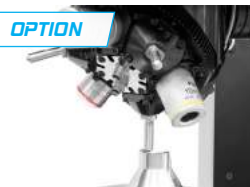
载物台高度调节：使用无反弹滚动轴承丝杠导航

Height-adjustable test table: via backlash-free roller-bearing spindle guide



可旋转压头保护罩：不再需要改变工具用于测试无法靠近的点

Swivelable downholder: No long tool changeovers for inaccessible test points.



6位转塔：伺服系统驱动和伺服系统控制定位

6-position tool changer: Servo-drive and servo-positioning



	Q250 CS	Q250 C	Q750 CS	Q750 C	Q3000 CS	Q3000 C
试验力范围 Test force range	0.5 - 250 kg (4.9 - 2450 N)		3 - 750 kg (29.4 - 7358 N)		10 - 3000 kg (98 - 29430 N)	
显示器/软件 Display / Software	电容式12"触摸显示屏/Qpix T2 Capacitive 12" touch display / Qpix T2					
测试高度/喉深 Test height* / Throat depth	180 / 180 mm	340 / 260 mm	180 / 180 mm	340 / 260 mm	180 / 180 mm	340 / 260 mm
载物台 Test table	Ø 100 mm (可选 Ø 220 mm)					
可测样件最大重量 Max. work piece weight	无限制 „unlimited“					
仪器净重 Weight of basic device	125 kg	150 kg	125 kg	150 kg	180 kg	230 kg
数据接口 Interfaces	1 x USB (Front) 2 x USB, 1 x RS232, 1 x RJ45 (Ethernet)					
电源 Power supply	230~1/N/PE, 110~1/N/PE					
最大输入功率 Max. power consumption	~ 480 W					

*转塔结构将使测试高度减少约30mm
*Tool changer reduces test height by approx. 30 mm

