

Main features:

- Automatic turret;frictionless spindle,high precision of test force;
- High-precision optical measurement system,precision coordinate test bench;
- ARM high-speed processor and 5.6-inch LCD touch screen;
- English and Chinese interface conversion;various hardness value conversion;
- Dynamic display of the indenter during the loading and unloading process,allowing real-time observation of the test status;
- The screen can display the test force,indentation length,holding time,measurement times,etc;
- The test process is automated,simple to operate,and free of human error;
- Automatic correction of the hardness value of the concave and convex surfaces;
- With database storage data function,test data is synchronized and exported;
- Equipped with USB and RS232 interfaces,allowing users to easily process data;
- Equipped with a micro printer,it can directly print test results;
- Knoop indenter can be selected for Knoop hardness test;
- An optional HYHV300 image measurement system can be used to achieve online functionality through a data cable,control all actions of the hardness tester on a computer,automatically capture indentation images,automatically measure hardness values,automatically generate a hardness curve,and automatically calculate the effective hardened layer depth;
- The accuracy meets GB/T4340.2,ISO 6507-2 and ASTM E384.

Application scope:

- Ferrous metals,non-ferrous metals,IC sheets,surface coatings,laminated metals;
- glass,ceramics,agate,gemstones,etc;
- Measurement of the depth and gradient of carburized layer,nitrided layer,and hardened layer;
- Micro-Vickers hardness measurement of thin plates,sheets,and other small parts.

Technical parameters:

- Measuring range:1-3065HV
- Test force:0.09807,0.2452,0.4904,0.9807,1.961,2.942,4.904,9.807(N)
10,25,50,100,200,300,500,1000(gf)
- Hardness scale:HV0.01,HV0.025,HV0.05,HV0.1,HV0.2,HV0.3,HV0.5,HV1
- Measuring system magnification:400X,100X
- Minimum detectable unit:0.0625μm
- Maximum allowable height of the sample:75mm
- Distance from the center of the indenter to the wall:110mm
- Power supply:AC220V,50/60HZ
- Overall dimensions:470x320x500(mm)
- Weight:about 40kg

Main attachments:

- Coordinate test bench:1pc.
- Thin-shaft test bench:1pc.
- Thin plate test bench:1pc.
- Flat jaw vice:1pc.
- Large V-shaped block:1pc.

- Small V-block: 1 pc.
- Diamond pyramid indenter: 1 pc.
- Standard microhardness blocks: 2 pcs.
- Mini printer: 1 pc.