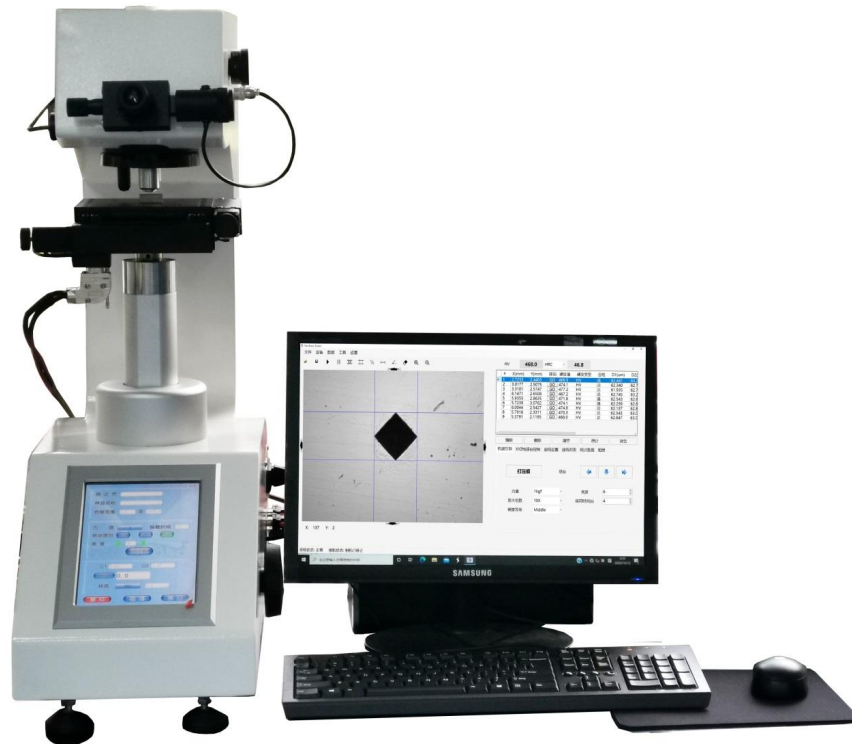


KASON HTMV-M-XYZF Fully Automatic Micro Vickers Hardness Tester**Automatic loading platform****Automatic focusing****Automatic measuring indentation****Product introduction:**

KASON HTMV-M-XYZF digital micro-hardness tester is an ideal high-end micro-hardness tester with lifting mechanism of optical cross guide rail, accurate force value and clear image.

Main features:

1. 8 inch touch screen interface, easy to operate;
2. During the test, the indenter and the objective lens automatically switch to each other, and the test point automatically locates accurately.
3. Lifting mechanism guided by optical cross rail ensures guiding accuracy; Using rack and pinion two stage force transmission, can achieve fast and smooth force transmission;
4. LED light source, long life, no need to replace the bulb;
5. It can be equipped with a built-in camera for clearer images.
6. It can be calibrated according to standard hardness blocks or length scales, and automatically corrected according to high, medium and low hardness values, which makes the hardness value more accurate.
7. All test parameters and results are saved in EXCEL format on USB disk, which is convenient for data processing and inspection report output;
8. Various hardness values convert to each other;

9. Test setting parameters are protected by password;
10. English and other languages for choice;
11. Rs-232 interface for computer connection (optional);
12. Optional maximum test force 2kg.

Technical Parameter:

Model	KASON HTMV-M-AXYZF
Test force	10gf (0.098N)、25gf (0.245N)、50gf (0.49N)、100gf (0.98N)、200gf (1.96N)、300gf (2.94N)、500gf(4.9N)、1kgf (9.8N)
Carried standard	GB/T4340, ASTM E92
Minimum test unit	0.01μm
Conversion scales	HRA、HRB、HRC、HRD、HRF、HV、HK、HBW、HR15N、HR30N、HR45N、HR15T、HR30T、HR45T
Hardness measurement range	8~2900HV
Loading method	Automatic (loading、dwell、unloading)
Turret	Automatic
Measurement eyepiece	10X
Magnification of objectives	10X(measurement)、40X(measurement) (20X optional)
Dwell time	0~99s
Maximum height of specimen	100mm
Distance from the center to the outer wall of the indenter	110mm
Data output	LCD display
Data storage	Data stored as EXCEL in the U disk
Power supply	AC220V+5%, 50-60Hz
Software	
Camera	1.3 million pixels
Motor	Stepping motor
Automatic sample station movement	The software can change the speed flexibly by moving up the x-y axis.Click any point in the interface to select the point automatically, set the starting position of the straight line and the randomly moving position, and control the arbitrary movement in 8 directions of the automatic x-y displacement platform carrier by selecting the mouse, and adjust the speed and reset automatically.
Size	100 × 100mm
Max. Movement distance	25*25mm in the X-Y direction
Min. Movement distance	1mm
Movement speed	1-10mm/sec, adjustable
Repeated displacement accuracy	Within 4um
Mode setting	The software system can control the automatic carrier platform for programming movement: 1) measurement mode (Random A) Use this mode to load and read an arbitrary point. 2)Horizontal (X-axis direction), vertical (Y-axis

	<p>direction) load and read</p> <p>3) Measurement mode (Line Set A) Use this mode to press and read and surface in an angular direction (zigzag movement, that is, broken line movement of the depth measurement of the hardened layer)</p> <p>4) measurement (Line Set B) Use this mode for regular intervals of loading and reading.</p> <p>5) Track coordinate movement and other mobile programming methods</p>
Measurement process	Measure one by one after all loads, while loading and measuring at the same time
Indentation measurement method	Automatic /manual
Automatic measuring time	About 0.3sec/1 indentation
Hardness value correction	It can corrected according to the standard hardness or length scale
Data output	<p>The test report can be customized according to user requirements</p> <p>Through data processing software, the depth of hardened layer formed after continuous measurement of the sample can be displayed in tabular form</p> <p>It can easily output various measurement data, hardness value table, hardened layer depth, maximum value, average value, minimum value, etc</p>
Machine size	540*260*650mm; Net weight: 50kg
Package size	820*480*960mm; Gross weight: 98KG (including computer)

Standard accessories:

Item	Quantity	Item	Quantit
Weight shaft	1	Weight	6
Micrometer eyepiece (DHV-1000-10X)	1	Micro hardness block (high block, medium block)	Each 1
Level	1	Nylon universal sole	4
Power cord	1	Spare fuse (2A)	2
Product certificate, warranty card	1	Dust cover	1
Printing paper	1	Instructions	1
Hexagon wrench (2.5mm)	1	Touch pen	1
Automatic loading platform and driving box (150 × 150mm, X,Y stroke 50mm)	1	Optical adapter and type C interface	1
Brand computer	1	Usb flash drive (with software)	1
Industrial digital camera 5 megapixels	1	Z-axis movement (stroke: sample movement range of hardness tester host, built-in)	1
X,Y, Z controller	1		