

**KASON HTMV-2000ATH Auto-Turret Touch Screen Micro Vickers Hardness Tester**



**19 YEARS**

Development Base of Advanced Testing Machine Of China

### Description:

The automatic brick tower microhardness tester is mainly used for the micro-Vickers hardness test of various metals and some non-metallic materials. It can test the hardness of various parts (machined parts, forgings, cast iron, steel castings, etc.), non-ferrous metals, heat-treated parts, various small and thin parts, glass, ceramics, agate, gemstones, etc. It is also suitable for the determination of the effective depth of carburization, quenching hardening layer, coating, surface coating and heat-affected parts of welded parts. It can also be used to observe the internal metallographic structure of various metal parts and collect and display images. It is especially suitable for measuring the hardness gradient distribution curve of the workpiece and measuring the surface hardness and effective hardening layer depth of the gear after heat treatment.

### Features:

- This product adopts unique and precise design in mechanics, optics and light source, making the indentation imaging clearer and the measurement more accurate. It adopts a new LCD display, and the operation interface adopts a menu-based structure. You can select the hardness scale HV or HK on the operation panel, and the hardness value tested can be converted between various hardness values.
- This machine is equipped with a 10x digital display measuring microscope and a 40x objective lens, which can participate in the measurement, making the measurement range larger and the application range wider. The operation is intuitive and clearer. The test method, test force, indentation length, hardness value, test force holding time, date, time, hardness conversion value and other functions can be displayed on the screen. It has functions such as conversion scale and storage, and has a threaded interface for connecting digital cameras and CCD cameras, which is convenient for selecting computers and hardness analysis and measurement software.

### Technical Parameter:

|                               |   |
|-------------------------------|---|
| Testing power                 | 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1kgf, 2kgf<br>0.245N, 0.49N, 0.98N, 1.96N, 2.94N, 4.9N, 9.8N, 19.2N |
| Conversion ruler              | HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HBS, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T                         |
| Smallest unit of measurement  | 0.25μm  |
| Test mode                     | HV/HK   |
| Hardness test range           | 5~3000HV  |
| Test force application method | Automatic (loading, holding, unloading)   |
| Turret rotation method        | automatic   |
| Objective lens                | 10X, 40X  |
| Eyepiece                      | 10X   |
| Total magnification           | 100X 400X   |
| Test force holding time       | 1~60s   |
| X-Y test bench size           | 100*100mm   |

|  |   |
|--|---|
| Maximum movement of X-Y test bench             | 25*25mm                                     |
| Data output                                    | LCD display reading                         |
| Maximum height of test piece                   | 100mm                                       |
| Distance from center of indenter to inner wall | 110mm                                       |
| Power supply                                   | AC220V±5%, 50~60Hz                          |
| Implementation standards                       | ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2 |
| Dimensions                                     | 500*250*560mm                               |
| Package Size                                   | 595*415*810mm                               |
| Net weight                                     | 40kg  |
| Gross weight                                   | 48kg  |

**Standard configuration:**

|                                    |                       |   |
|------------------------------------|-----------------------|---|
| Weight shaft                       |                       | 1 |
| Cross test bench                   |                       | 1 |
| Pingkou blessing platform          |                       | 1 |
| Screwdriver                        |                       | 2 |
| Small spirit level                 |                       | 1 |
| Microscopic Vickers hardness block | high block, low block | 2 |
| Power cable                        |                       | 1 |
| Manual                             |                       | 1 |
| Certificate of conformity          |                       | 1 |
| Thin slice blessing platform       |                       | 1 |
| Adjustment screw                   |                       | 4 |
| Test eyepiece                      |                       | 1 |
| Spare fuse                         | 2A                    | 2 |
| Accessory box                      |                       | 1 |
| Dust cover                         |                       | 1 |
| Filament blessing platform         |                       | 1 |

## 19 YEARS

Professional focused on testing equipment

KASON is established in 2003,owns more than 8000 square meters factory.has a professional sales teams, modern enter prise technology center,scientific and technological research and development team.

Machines passed the European CE authentication,American FDA certificate and and ISO 9001.

Products sold to USA, Canada, Australia, Europe, Africa etc,more than 130 countries and supply OEM service for many customers

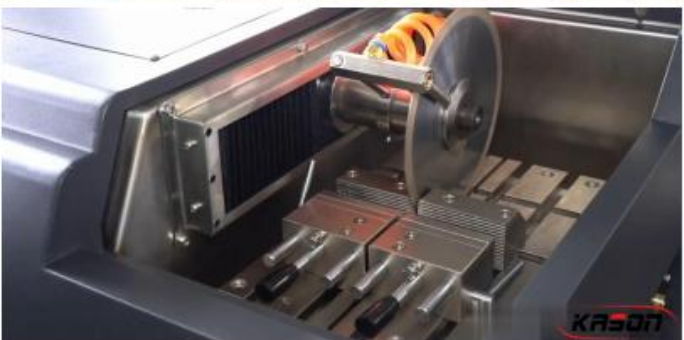
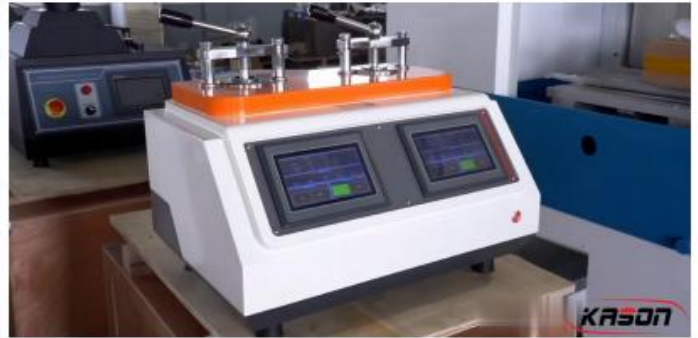
## PROFESSIONAL TEAM

KASON has a professional sales teams, modern enter prise technology center,scientific and technological research and development team.





## METALLURGICAL PRODUCT SHOW



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