



IMAGE ANALYSIS ELECTRIC BRINELL HARDNESS TESTER

- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*



BHE-3000IS

**FUNCTIONS AND FEATURES: -**

- Image analysis software that researched by our institution, can be customized for kinds of functions, handy operation, perfect function and meet most customers' demands.
- It can test Brinell hardness, easy to shift the dynamic and static measurement.
- It can enlarge the indentation image measurement, and can be amplified again for diagonal part to avoid manual error.
- It can automatic to identify the indentation image and measure the indentation diameter for bright and clear sample surface.
- Real time display the indentation diameter, hardness value, indentation depth, material strength, conversion hardness value etc.
- It possesses the unique mark positioning function, testing the positioned point hardness value.
- It can be adjusted the colour, gray, contrast ratio, lightness of the image.
- Attached with function of indentation tangency fine tuning, length measurement and angle measurement etc.
- It possesses the function of test result statistical analysis, automatic generation and export for the format of Word, Excel of hardness measurement analysis report, and save the indentation image, print etc.
- Support WIN8, WIN7, WINNT, WIN2000, WINXP, VISTA and so on operation system.

TECHNICAL SPECIFICATION: -

| Model No. | BHE-3000IS |
|---------------------------------|--|
| Brinell Scale | HBW2.5/62.5, HBW2.5/187.5, HBW5/125, HBW5/750,, HBW10/100, HBW10/250, HBW10/500, HBW10/1000, HBW10/1500, HBW10/3000 |
| Conversion scale | HRC, HRA, HR15N, HR30N, HR45N, HV |
| Test force | 62.5kgf (612.9N), 100kgf (980.7N), 125kgf (1226N), 187.5kgf (1839N), 250kgf (2452N), 500kgf (4903N), 750kgf (7355N), 1000kgf (8907N), 1500kgf (14710N), 3000kgf (29420N) |
| Minimum unit | 0.00125mm |
| Hardness range | HBW 8~650 |
| Hardness data read | Computer screen |
| Total amplification | 80X |
| Load method | Automatic(load, dwell, unload) |
| Specimen maximum height allowed | 230mm |
| Instrument size | 530×210×758mm (L×W×H) Weight : 135kg |
| Dwell time | 1~99S |
| Power supply | AC220V + 5%, 50~60 Hz AC110V available |

STANDARD ACCESSORIES

| | |
|---|---|
| HBD-3000P hardness tester : 1pc | Φ2.5, Φ5, Φ10mm harden alloy indenter : 1pc |
| Big, medium and "V" test table : 1pc | Hand wrench : 1pc |
| Safety fuse : 1pc | Power cable : 1pc |
| Accessory box : 1pc | Dust-proof cover : 1pc |
| Hardness measurement image analysis software CD : 1pc | Dongle : 1pc |
| Portable microscope : 1pc | Manual instruction : 1pc |
| Data cable : 1pc | Warranty card : 1pc |
| Certificate of quality : 1pc | Hardness conversion table : 1pc |