

### Automatic Turret Digital Brinell hardness Testing Machine HBS-3000Z



#### Main functions and features:

iqualitrol HBS-3000Z has the characteristics of high precision, high repeatability and stability, easy operation, convenient and practical, and high cost performance;

The system automatically prompts to measure the minimum thickness of the product;

Automatic turret, automatic rotation of indenter and objective lens;

With 10-level test force, the test range is wider;

Equipped with digital display micrometer eyepiece and precise data calculation system, the hardness value can be displayed directly with one click;

#### Technical Specifications:

|                                          |                                                                                                                                                                   |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                                    | HBS-3000Z                                                                                                                                                         |
| Brinell Scales                           | HBW2.5/62.5 HBW2.5/187.5 HBW5/62.5 HBW5/125 HBW5/250 HBW5/750<br>HBW10/100, HBW10/250 HBW10/500 HBW10/1000 HBW10/1500 HBW10/3000                                  |
| Test force                               | 62.5kgf(612.9N), 100kgf(980.7N), 125kgf(1226N), 187.5kgf(1839N), 250kgf(2452N),<br>500kgf(4903N), 750kgf(7355N), 1000kgf(8907N), 1500kgf(14710N), 3000kgf(29420N) |
| Loading control                          | Automatic (loading/dwell/unloading)                                                                                                                               |
| Turret                                   | Automatic turret among indenter and objective                                                                                                                     |
| Specimen height                          | 220mm                                                                                                                                                             |
| Throat depth                             | 135mm                                                                                                                                                             |
| Distance between indenter and upper wall | 55mm(support customized)                                                                                                                                          |
| Length resolution                        | 0.125um                                                                                                                                                           |
| Dwell time                               | 0~60s                                                                                                                                                             |
| Hardness range                           | 3.18~653HBW                                                                                                                                                       |
| Magnification                            | 20X                                                                                                                                                               |
| Test standards                           | EN ISO 6506, ASTM E-10-08, GB/T231.2, JJG150 -2005                                                                                                                |
| Hardness reading                         | Automatic calculate                                                                                                                                               |
| Data output                              | Built-in Printer, Hyper terminal                                                                                                                                  |
| Power supply                             | AC220V+5%, 50~60Hz                                                                                                                                                |
| Dimension                                | 520*210*745mm                                                                                                                                                     |
| Weight                                   | 125kg                                                                                                                                                             |