

NDT Supply.com, Inc.

7952 Nieman Road
Lenexa, KS 66214-1560 USA



TX MS-2 Brinell Indentation Measurement System

The TX MS-2 Brinell Indentation System, with advanced visual technology, captures the image using the CCD camera, recognizes and measures the diameter of the indentation automatically and then calculates and displays the Brinell hardness value directly. The image quality is brighter and clearer, the measurement process is efficient and convenient, and the result is more accurate and objective than using a microscope.



Features:

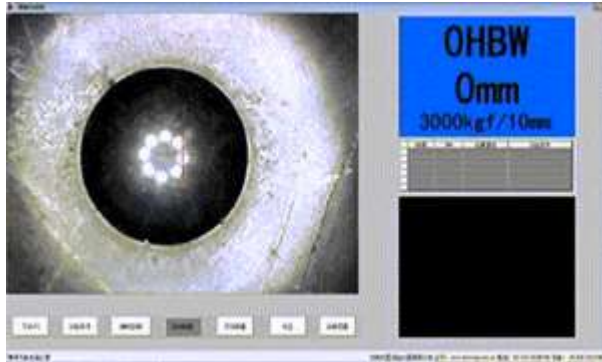
- It has 100% automatic recognition ability for indentations on rough and rusted surfaces. No need for a manual tangent to assist in measurement.
- The newly designed optical system and lighting device ensures that shallow indentation images also have clear edges and ideal contrast.
- Cables are stronger, softer, more durable and more resistant to interference.
- The newly upgraded software is up to $1\mu\text{m}$ resolution, which enables the whole system to achieve higher measurement accuracy and repeatability.
- Each standard block is provided with 4 indentations of known diameter and size, which can check the deviation of indentation measurement at any time.
- Can be calibrated with the liner scale, indentation measurement results with traceability.
- Data is stored automatically and can be downloaded at any time.

1- Excellent Image Processing

Excellent Image Processing technology, 100% recognition rate for indentations on various surface finishing.



TX MS-2 Brinell Indentation Measurement System

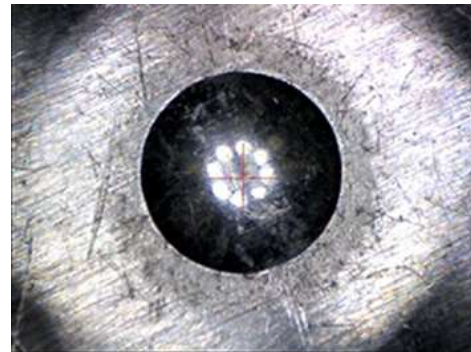


2- Automatic Recognition

Manual and automatic recognition available, with manual rarely used.

3- Clear and Sharp Image

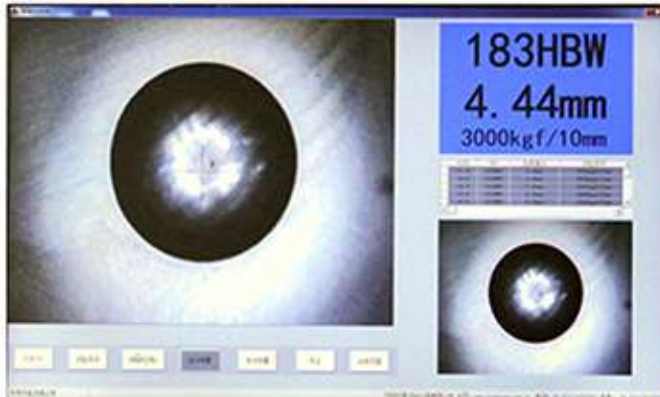
Clear and sharp image from special designed annular light source and high-grade lenses, contrast is fantastic.



4- Camera is magnetic

Magnets in the camera make it stick to the work piece, without holding makes measurements more stable. Camera is easy to move.

TX MS-2 Brinell Indentation Measurement System



5 - Simple User Interface

Simple user interface make operation easy.

	A	B	C	D	E	F
1	Time	HBW	DIA	Test Condition	Measuring method	
2	8:56	215HBW	4.122mm	3000kgf/10mm	Automatic	
3	8:56	215HBW	2.061mm	750kgf/5mm	Automatic	
4	8:56	215HBW	4.122mm	3000kgf/10mm	Automatic	
5	8:56	214HBW	4.129mm	3000kgf/10mm	Manual	
6	8:56	214HBW	4.125mm	3000kgf/10mm	Manual	
7	8:57	215HBW	4.120mm	3000kgf/10mm	Automatic	
8	8:57	626HBW	2.452mm	3000kgf/10mm	Automatic	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

6- Automatic storage data

Recorded data is automatically saved for review.

7- Superior Compatibility

Measures any Binell indetation from any Brinell hardness tester



TX MS-2 Brinell Indentation Measurement System



- Resolution: 1600 x 1200
- Hardness Testing Range: 16-650 HBW
- Diameter Testing Range:
 - 2.4-6mm (10mm ball indenter)
 - 2-4mm (7.26mm ball indenter)
 - 1.2-3mm (5mm ball indenter)
 - 0.6-1.5mm (2.5mm ball indenter)
- Field of View: 8 x 6 mm
- Test Resolution: 1 μ m
- Diameter Accuracy & Repeatability:
 - \pm 0.4% (10mm ball indenter)
 - \pm 0.8% (5mm ball indenter)
 - \pm 1.2% (2.5mm ball indenter)
- Weight of Camera: 0.385kg
- Hardware Requirements:
 - CPU: more than 2GHz
 - Internal Storage: more than 2GB
 - Operation System: Windows XP, Windows 7, Windows 8

Standard Package



Camera



Dongle



Carrying case



Documents



Standard Test Block