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<div style="text-align:center;">

TRUEMET   BIDAS- Brinell Impression Diameter Analysis Software

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TRUEMET BIDAS (Brinell Impression Diameter Analysis Software) is a specially designed software which is mainly used in automatically measuring the Brinell Indentations & calculating their hardness value. BIDAS is simple & accuratesoftware to measure the Brinell Impression automatically with a single click in less than a second. The utility functions include hardness conversion, report generating and data archiving etc.
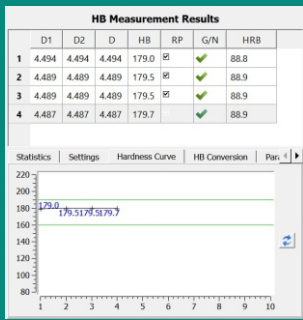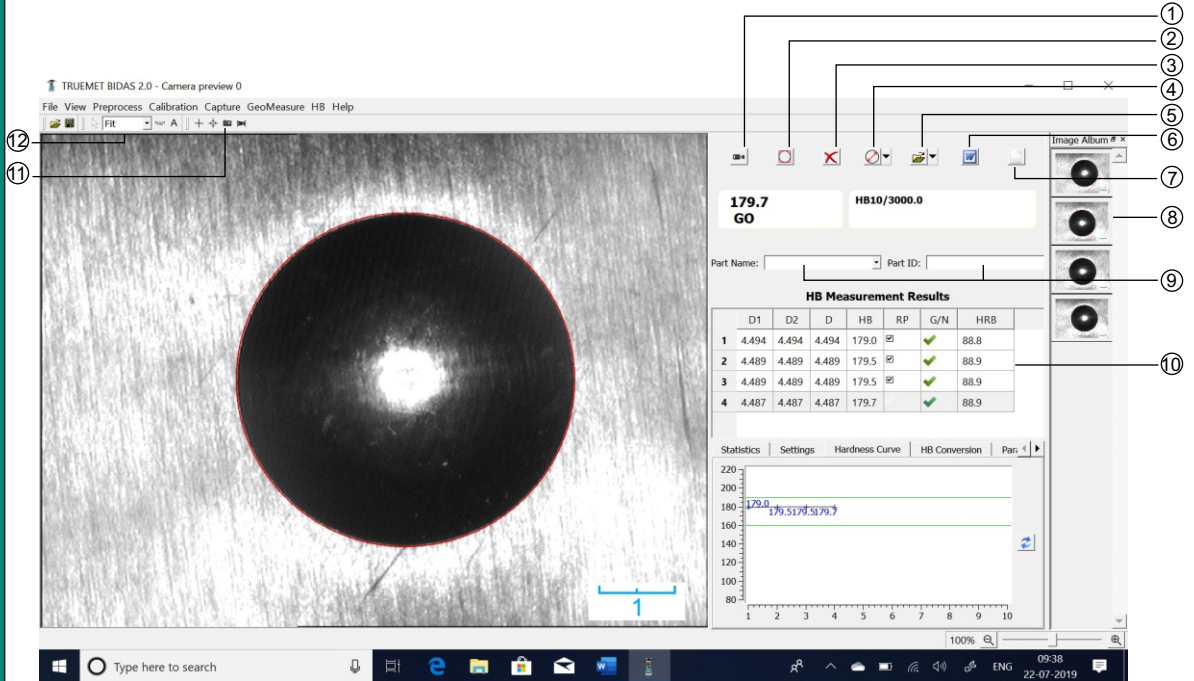

Hardness Curve Graph View
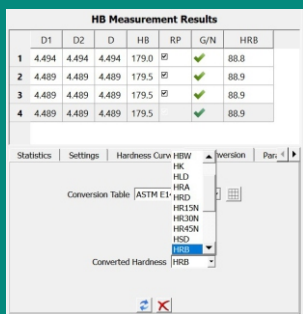
Hardness Conversion View
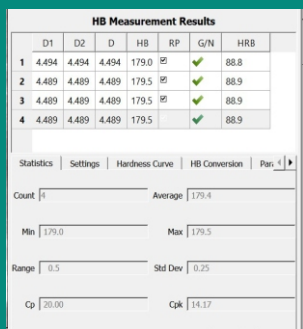
Statistical Calculation View

1. Directly turns on the camera.	2. Automatically measure the indentation with a single click.

1. Directly turns on the camera.	2. Automatically measure the indentation with a single click.	3. Deletes the test result for the selected data rows.
4. Manual measure option in also available for the sample where surface quality is not good.	5. This option allows to save the working data and lates retrieval of the same.	6. Generates word or Excel test report with a single click.
7. Clears all the measurement display and make ready for a new sample measure.	8. Part Name & Part ID will be printed in the generated word or Excel report.	9. Captured image album row.
10. Hardness result window.	11. To take snap of the video.	12. Zoom in and Out of the video.

Main Features

- **Auto measurement:** With a single click , system automatically measures the indentation and gives the Brinell hardness value

- **Hardness curve graph:** System automatically plots the hardness value curve graph.

- **Hardness conversion:** The measured Brinell Hardness value can be converted to other hardness scales such as HV, HK, HRC, HRB etc .

- **Statistical Calculation:** Statistical values such as average, min, max, standard deviation, Cp, Cpk etc are automatically generated

- **Working Data saving and retrieval:** Software can save and retrieve the hardness measurement data and images in data files.

- **Hardness Report:** With a mouse click, the system automatically generates a Microsoft Word or Excel document to reports which contains the measurement data, statistical information, the measurement images and the hardness Curve graph. User may enter own additional information for reporting.

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Standard Features

- **Image/Video capturing:** Software can capture and save images/videos on DirectShow compatible USB cameras.

- **Geometry measurement:** System provides the tools to draw and measure common geometric shapes such as lines, angles, rectangles, arcs/circles, ellipses, polygons, point-to-line, and point-to-arc etc. With a mouse click, system generates a Word document for the geometry measurements.

- **Calibration:** For measurement applications, the camera can be calibrated with a stage micrometer ruler or grid.

- **Calibration management:** Software allows save/manage multiple calibrations as per machine's magnification.

- **Image processing:** Software provides a rich set of image processing tools for advanced applications, which include adjusting Brightness, Contrast, Gamma, and Histogram Level, and the Sharpen, Smooth, Invert, and Convert to Grey functions.On grey scale images,system provides various advanced tools in filtering and finding edges, as well as some standard tools in morphological operations such as open, close, dilation,erosion,and flood fill etc.

Test Setting View

Parameters Display View

Geo Measurement Result View

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Delhi

Brinell Hardness (HBW) Test Results

Customer		Date	
Part Name		Part ID	
Heat No		Sample Description	
Upper Limit	190	Lower Limit	160
Indenter Diam.（mm）	10	Force（Kg）	3000.0

Test Results

Sr.	D1	D2	D	HBW	Convr.	Sr.	D1	D2	D	HBW	Conve.
1	4.494	4.494	4.494	179.0	88.8						
2	4.489	4.489	4.489	179.5	88.9						
3	4.489	4.489	4.489	179.5	88.9						
4	4.489	4.489	4.489	179.5	88.9						

Indentation Images

Hardness Curve
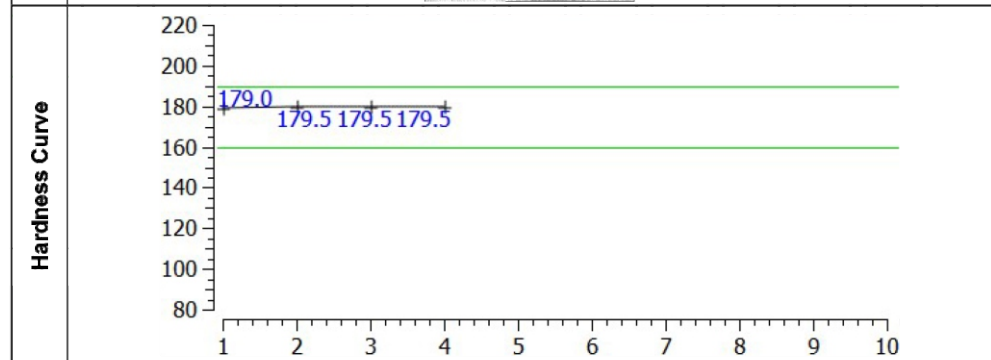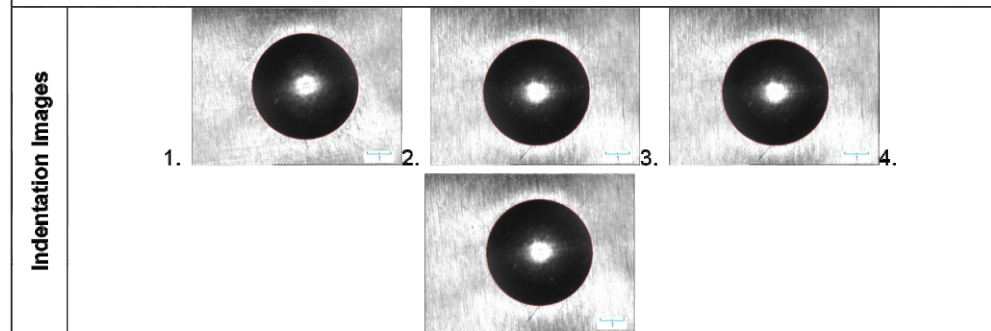
Statistics

Maximum	179.5	Minimum	179.0
Average	179.4	Std. Dev.	0.25
Cp	20.00	Cpk	14.17

Test Report View