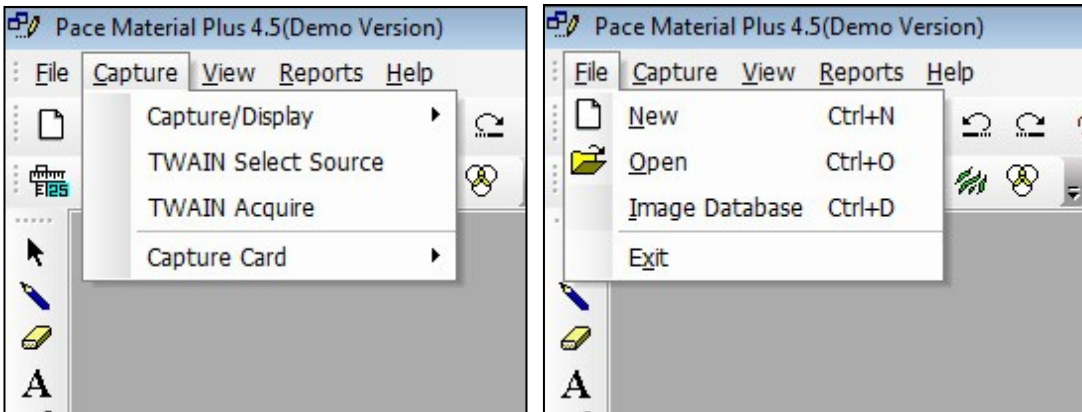## Example: Grain Size Analysis - Comparison Method

Grain size comparison is a method for determining the grain size by comparing specimen image to standardized charts. Grain size charts from 1 to 8 are included with this software package.
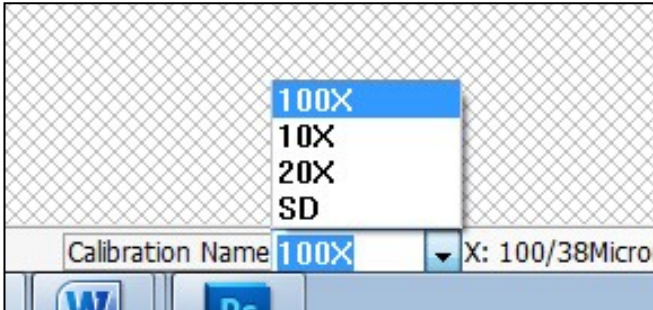
PROCEDURE:
1. Load the image for grain size measurement.
2. Select the appropriate saved calibration scales from the drop down list at the bottom of the Window
3. Click on the Grain Size icon ⊗ either from the Toolbar or from the Menu-bar
4. Grain Size Measurement dialogue box will open. Select Grain Comparison method.
5. Different grids with numbers from 1 to 8 are available. Impose various grids and choose the one that matches best to the captured image. The grain size will be reported accordingly. Note that the image should have a magnification of 100X in order to obtain a valid comparison.
6. To save the report, click on REPORT
7. A sample information window will appear. Fill the required information. Click on "Save Data For Report Tool"
8. Click on "TO EXCEL" to see the result in Excel.

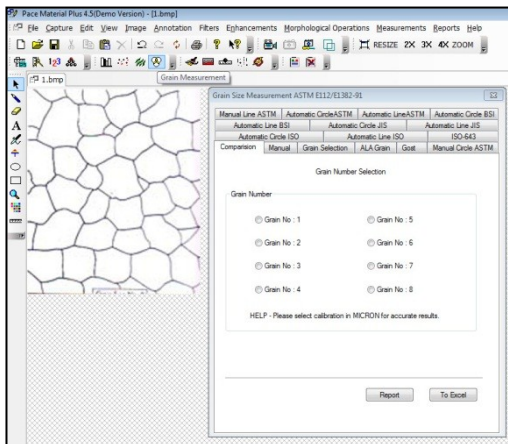EXAMPLE of Grain Size – Comparison Method

1. File > Open (select image) or Capture > TWAIN Acquire (for live image)
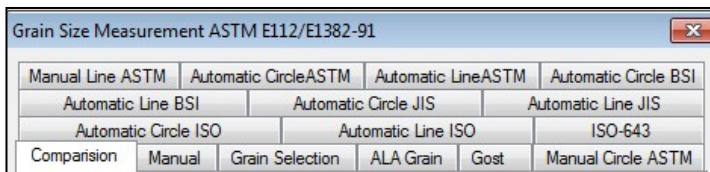

2. Select Calibration scale at bottom of the Window

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+1 (520) 882-6598 - FAX +1 (520) 882-6599 - email: pace@metallographic.com
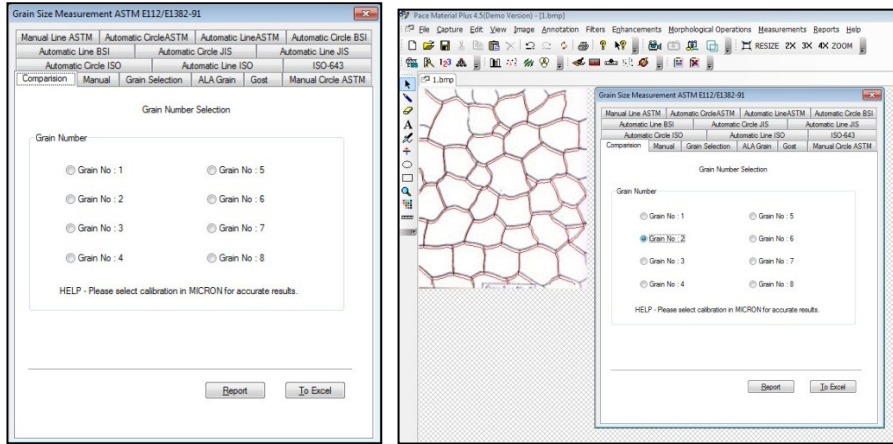www.metallographic.com

3. Click on the Grain Size icon either from the Toolbar or from the Menu-bar

4. Grain Size Measurement dialogue box will open. Select Grain Comparison method.

5. Different grids with numbers from 1 to 8 are available. Impose various grids and choose the one that matches best to the captured image. The grain size will be reported accordingly. Note that the image should have a magnification of 100X in order to obtain a valid comparison.

6.

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6. To save the report, click on REPORT
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