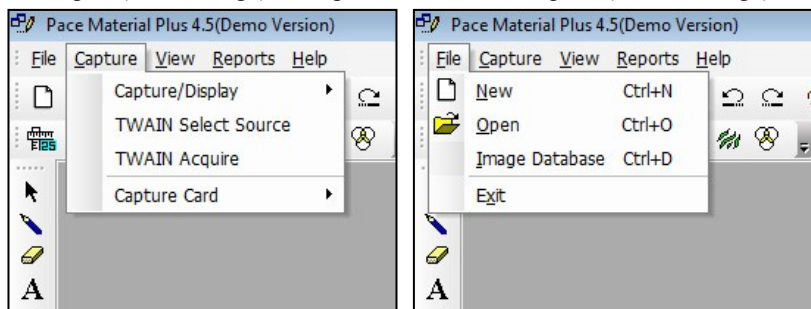## Example: Coating Thickness - Parallel Color Method

The Coating Thickness – Parallel Line method is suitable for measuring the width of a layer which cannot be distinguished on the basis of the gray scale from the background of the other layers. Two straight lines are used to approximate the borders of the coatings.
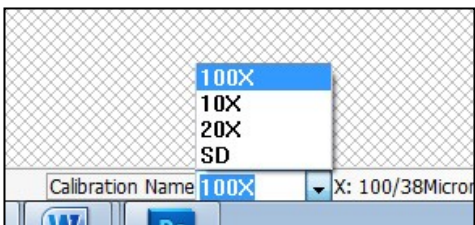
PROCEDURE:
1. Load the coating thickness image for analysis.
2. Select the appropriate saved calibration scales from the drop down list at the bottom of the Window

3. Click on the Coating Thickness icon [icon] either from the Toolbar or from the Menu-bar
4. Open PARALLEL Method tag.
5. Choose Orientation of the coating.
6. Click on SELECT
7. A new dialogue box with two cursors will appear. Two lines will be placed on the image. Move the first line to the front edge of the coating and then move the second line to the back edge of the coating. Click OK.
8. The thickness of the layer will be displayed.
9. Click ADD to transfer the results to the grid.
10. Repeat for 5-8 for additional layers.
11. To save the report, click on REPORT.
12. A sample information window will appear. Fill the required information. Click on "Save Data For Report Tool"
13. 13. Click on "TO EXCEL" to see the result in Excel.

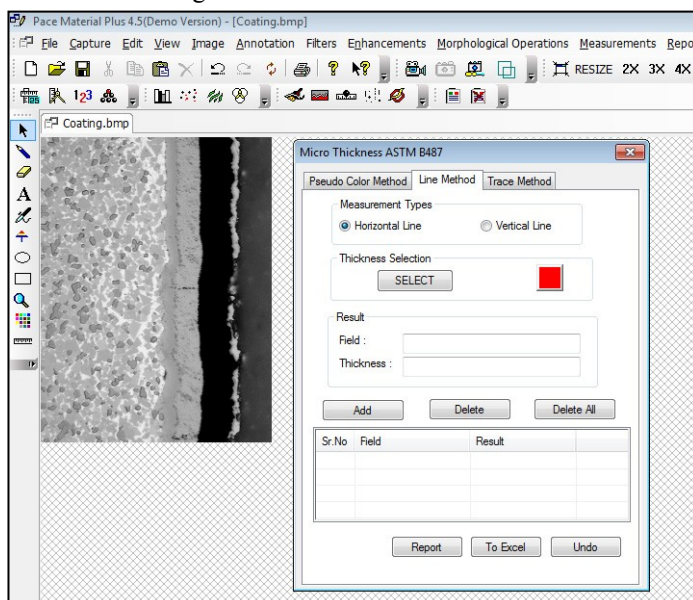EXAMPLE of Coating Analysis – Parallel Line Method

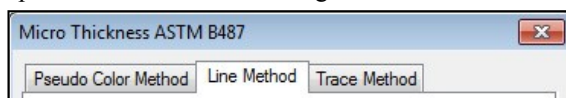1. File > Open (select image) or Capture > TWAIN Acquire (for live image)

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

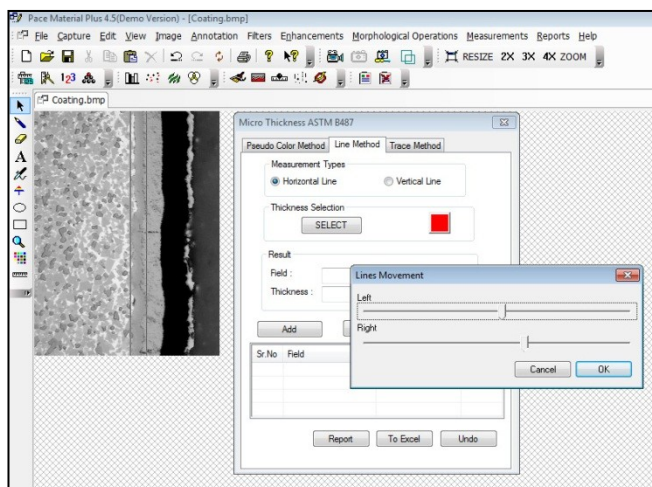3. Click on the Coating Thickness icon either from the Toolbar or from the Menu-bar

4. Open PARALLEL Method tag.

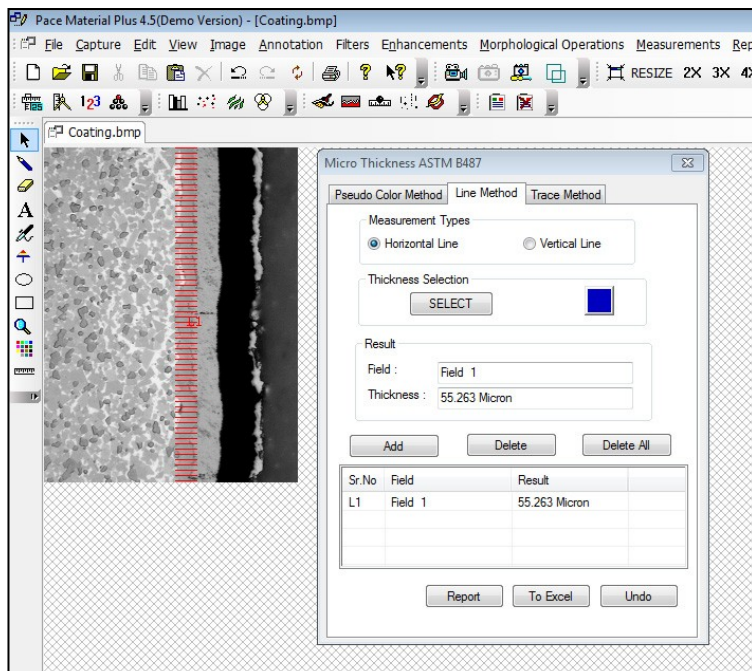5. Choose Orientation of the coating. Line will be drawn in the direction selected.

6. Click on SELECT

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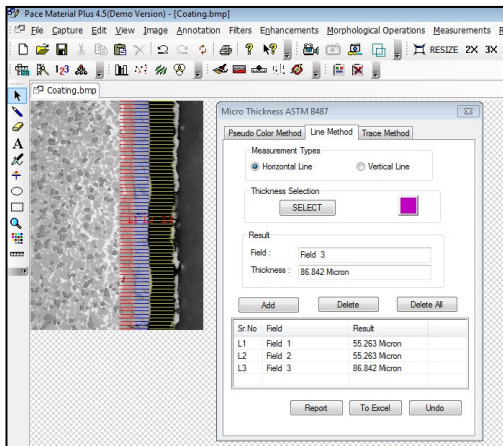www.metallographic.com

7. A new dialogue box with two cursors will appear. Two lines will be placed on the image. Move the first line to the front edge of the coating and then move the second line to the back edge of the coating. Click OK.

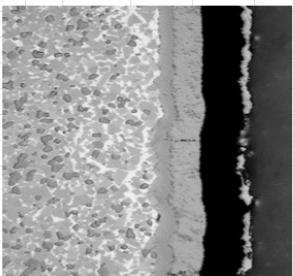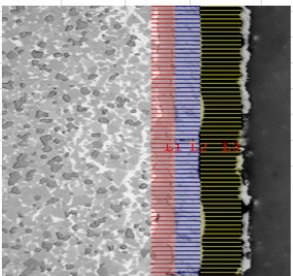8. The thickness of the layer will be displayed.

9. Click ADD to transfer the results to the grid.

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10. 10. Repeat for 5-8 for additional layers.

11. To save the report, click on REPORT.
12. A sample information window will appear. Fill the required information. Click on "Save Data For Report Tool"
13. Click on "TO EXCEL" to see the result in Excel.

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