This module is specific for Grain Measurement

GRAIN MEASUREMENT

ABOUT THE GRAIN MEASUREMENT

This method is suitable for poorly etched samples which do not have defined boundaries are unsuitable for Automatic Line Interception Method.
1st Step

GRAIN MEASUREMENT

Load the image to be analyzed.

2nd Step

Select the appropriate saved calibration to perform analysis in the image.
Choose **Heyn Lineal Intercept** method.

**4th Step**

Click on threshold.
5th Step

Press **DRAW INTERCAPTS** button. Average grain number will be calculated.

6th Step

Click on **ADD** button to transfer results in the grid.
7th Step

GRAIN MEASUREMENT

No. Of Lines: 1
Degree: 1

DRAW INTERCAPTS
No. Of Intercepts: 73
Average Grain No.: 1.50

Threshold:
Heyn Lineal Intercept
Hilliard Single Circle
Abrams Three Circle

Comparison Procedure:
Jeffries Planimetric Method or ALA Grain

100X > 100 MICRON

Avg. Inter. No. 73
Avg. Grain No. 1.50

HILLIARD SINGLE CIRCLE

Click on **REPORT** button, massage box will ask whether you want to study another field or analysis another captured image. Press **YES** for next picture. Otherwise press **NO**.
<table>
<thead>
<tr>
<th>GRAIN INTARCAPTS</th>
<th>GRAIN MEASUREMENT</th>
<th>GRAIN NUMBER SELECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. Of Intercepts:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Grain No.:</td>
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</tbody>
</table>

**REPORT**

<table>
<thead>
<tr>
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<tr>
<td></td>
<td>1.00</td>
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**Comparison Procedure**

- Jeffries Planimaric Method or ALA Grain

**100 MICRON**

**GRAIN NUMBER SELECTION**

<table>
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<tr>
<th>GRAIN NUMBER</th>
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<th>GRAIN NUMBER 2</th>
<th>GRAIN NUMBER 3</th>
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<th>GRAIN NUMBER 7</th>
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**100 MICRON**
JEFFRIES PLANIMARIC METHOD OR ALA GRAIN

GRAIN MEASUREMENT

CUSTOMER NAME: PaceTechnologies
PART NAME: Seamless Pipe
INVOICE NO./QTY: 2016-09-08-14-39-53
DRAWING NO: 124
REPORT NO: 223
MATERIAL GRADE: ---
SUPPLIER HEAT QTY.: ---
SUPPLIER HEAT NO.: ---
INVOICE NO/QUANTITY: ---

GRAIN MEASUREMENT REPORT

Field | Average Intercept Number | Average Grain Number
---|--------------------------|-----------------------
1   | 73                       | 1.50                  
2   | 124                      | 3.00                  

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