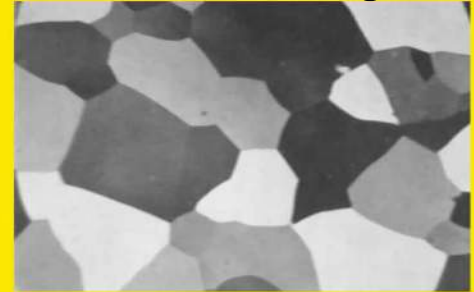


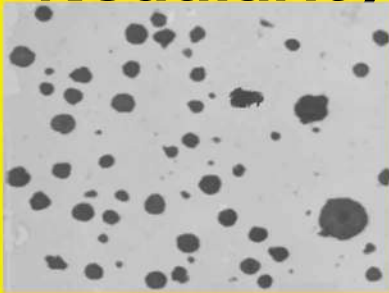
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Phase Study

Phase Analysis: Measure area function & Volume fractions. identify multiple phase within Microscopie structure . The Analysis confirm to ASTM E562 & E145.SS



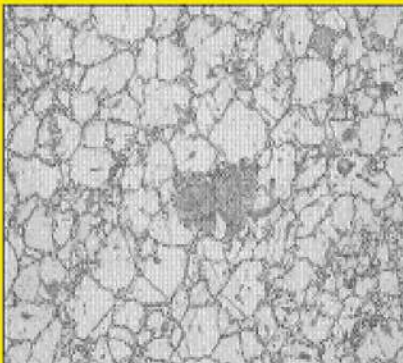
Nodularity



Nodularity: Measure Nodularity as per ASTM 247 std. The Nodules & Flakes are separated on the basis of its shape and aspect ratio. The details Measurement of each micro structure is available for further analysis.

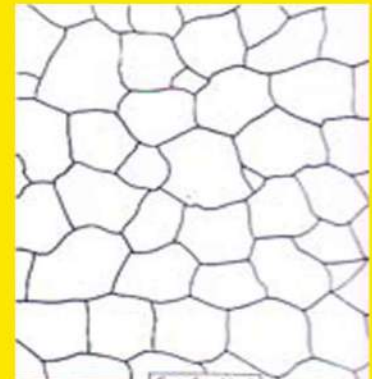
The Processed image displays non-Nodules in different colour. The Nodules can ne classify by its range on the bsis of its size & Shape

Grain size



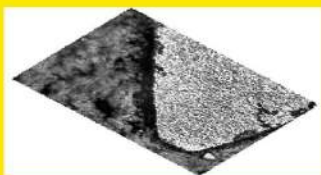
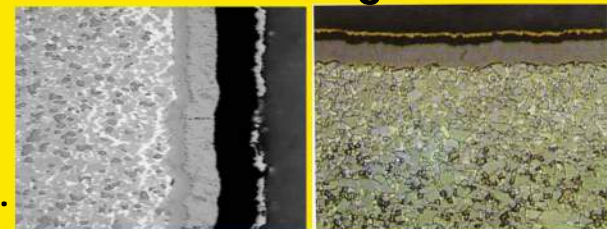
The Module analysis Grain and Measure the Grain No. & Grain Size Using ASTM 112 method. The Optiona for Measurement available are:

- 1 > Manual Trace,
- 2 > Popular Comparison Method,
- 3 > Quick Single Grain Measurement
- 4 > ALA Method
- 5 > Interception Method.



Various filters to make user defined templates Grain Boundry repair mathematical function. **Coating Thickness**

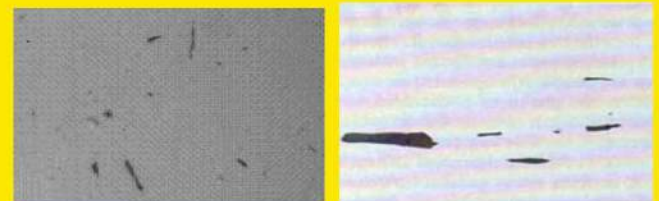
This application rapidly measure the thickness or width of a coating at multiple positions along a sample as per ASTM B487 standards. Tabulated results available for minimax and mean of width Measured at various points of sample cross section.



Decarbanization: Measured Depth / width of Decarbanization as per ASTM 1077 standards

Inclusion

Non-metallic Inclusion: Measure Inclusions & report ASTM E-45, E-1245 numbers, Cumulative length width also,



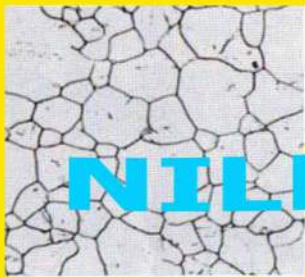
Graphie Flskes: Graphite Flaske Length, width, distribution and %ge as per ASTM 247-67

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Basic Features

- 1> **Calibration:** a> Special Calibration with Japanese test Slide JIS(0.01mm)
B> Ares by enclosed Line controlled by four arrow keys available ob key board arrows with zoomed preview
- 2> **Count & Classification:** Identification of Objects in an image , count them, obtain several features measurements. Objects Indentification by User or automatically. User defined classification on basis of size and intensity.
- 3> **Thresold-hold practical Measurement:** Manual Auto Bright and Auto Dark methods to identify intensity range defined object to be measured. Various calculations & Measurements available for selected particles are Dimensions, Area, Parameter ferret, Length, Thred length, Thread and fiber width.
- 4> **Morphometry Measurements:** Line measurements for distance, Length, width, perimeter, angle, three point radius, roundness, shape, orientation, elongination, equal circular diameter, equal sphere volume.
- 5> **Location Analysis:** Centroid X, Centroid Y, Major X1, Major Y1, Minor X1, Minor Y1, Major X2, Major Y2, Minor X2, Minor Y2, Box X2, Box Y2 & Box Area



C+A+P

CARBIDE +M

CASTGREY

CEMENTED &
CARBIDE COTH



P+F STEEL

P+F1

P+F



ISO 9001:2008
certified company



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