

MATERIAL PLUS

A PACE TECHNOLOGIES PRODUCT

This module is specific for SG Iron



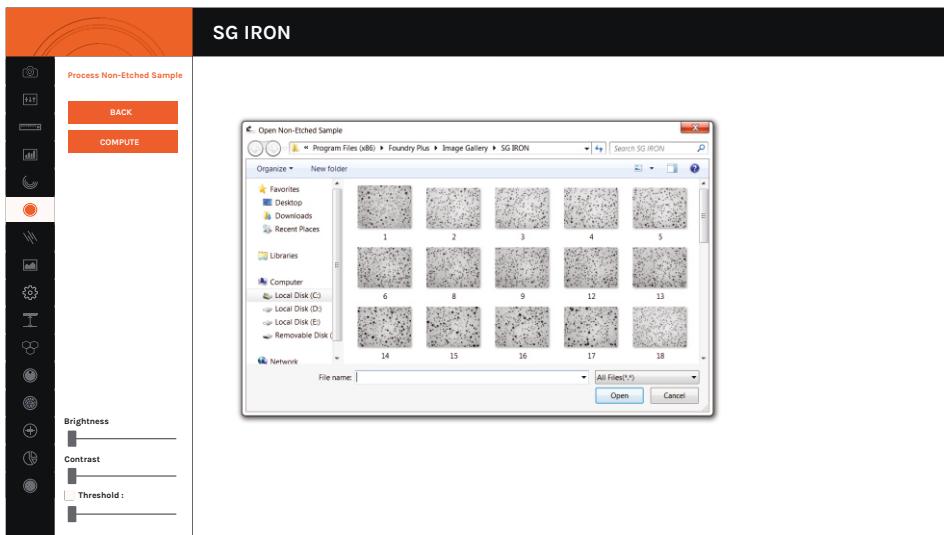
SG IRON

ABOUT THE SG IRON

SG Cast Iron or Nodules are also called Ductile Iron or Spheroidal Graphite Iron. Nodules Cast Iron from graphite during Solidification. Ductile Iron Analysis module provides a chance to analyze an image on the basis of ASTM A-247-67, ISO-945-1 & JIS G5504.

1st Step

Fig-22



Click two times an appropriate non-etched captured image for analysis

2nd Step

The image is available for analysis. Click on **COMPUTE** button for analysis.

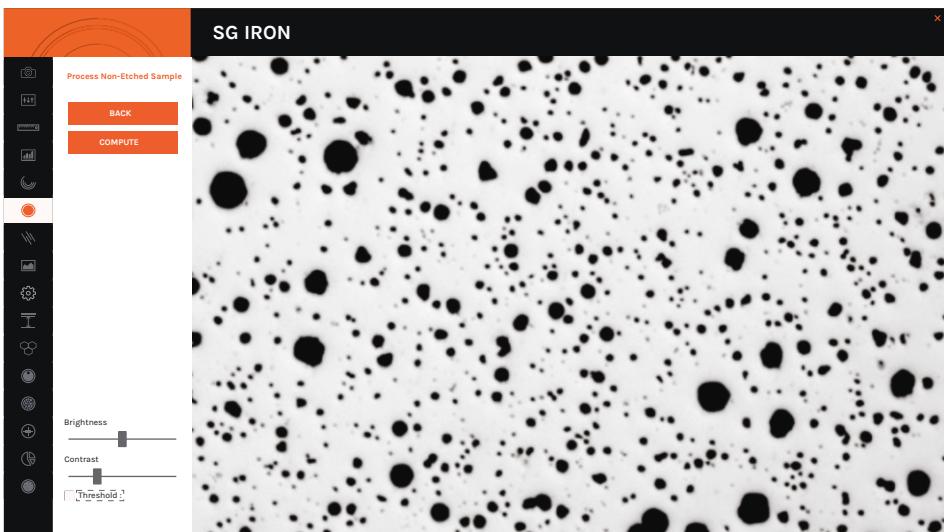
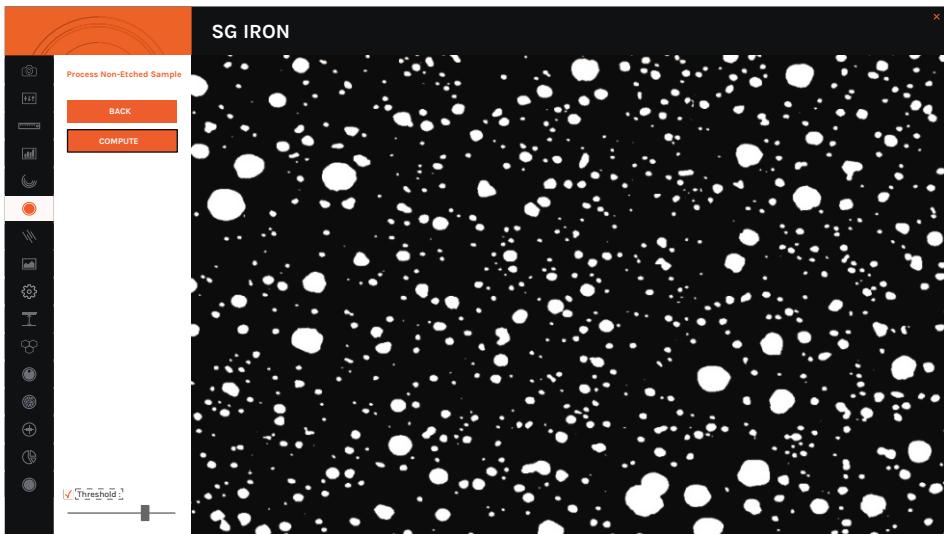


Fig-23

3rd Step

Fig-24



If you are using software first time, Click on threshold and adjust it through scroll bar till all nodules are selected properly as shown as above.

4th Step

Click on **NEXT** button for analysis

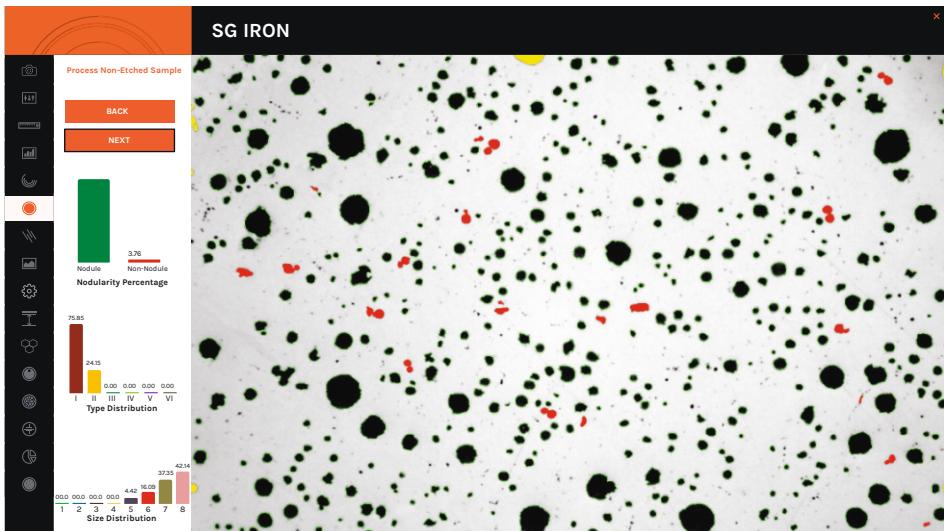
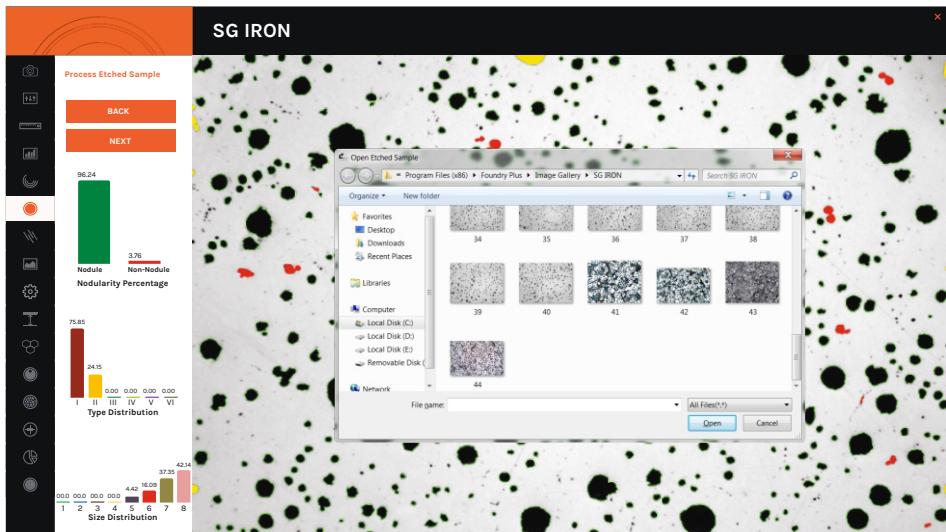


Fig-25

5th Step

Fig-26



This is next dialogue box to choose etched image of same sample.

6th Step

Click on the **COMPUTE** button to analyze further for ferrite, pearlite and graphite .

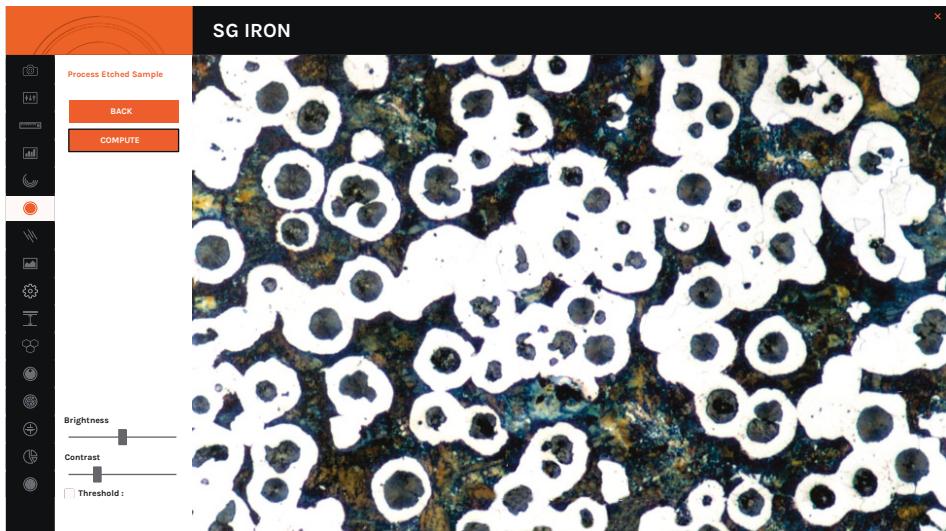
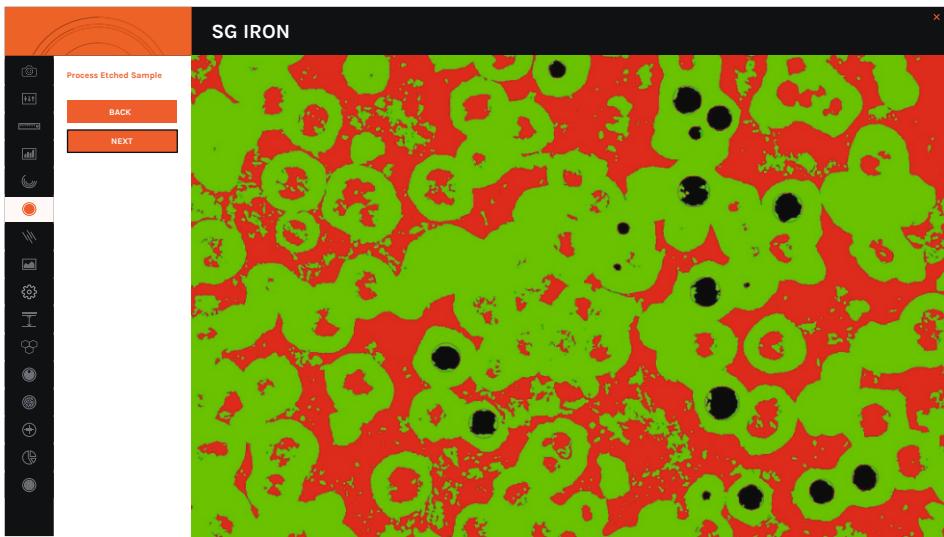


Fig-27

7th Step

Fig-28



Ferrite, Pearlite and Graphite analysis is complete. Click on next button to see all results.

8th Step

Result are available for view. Click on **REPORT** button to take report on excel.

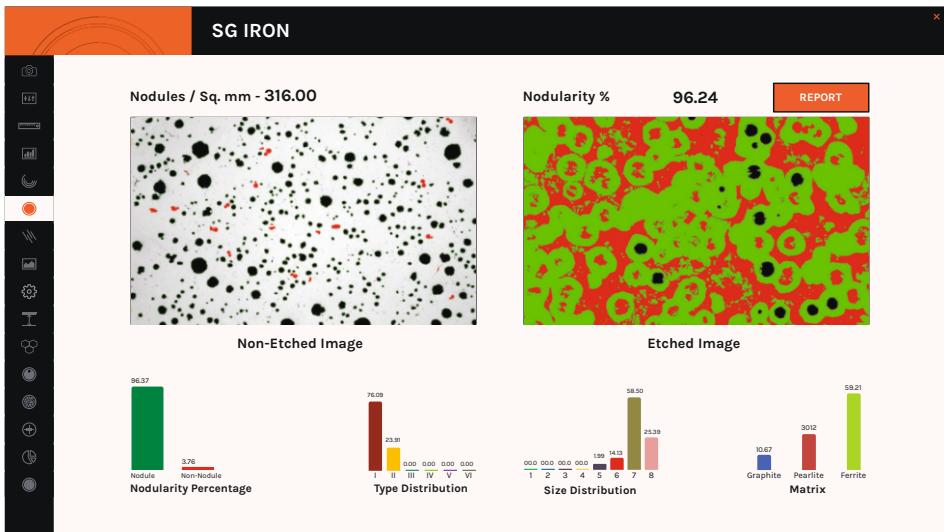


Fig-29

RESULT ARE AVAILABLE IN EXCEL IN A-4 SIZE

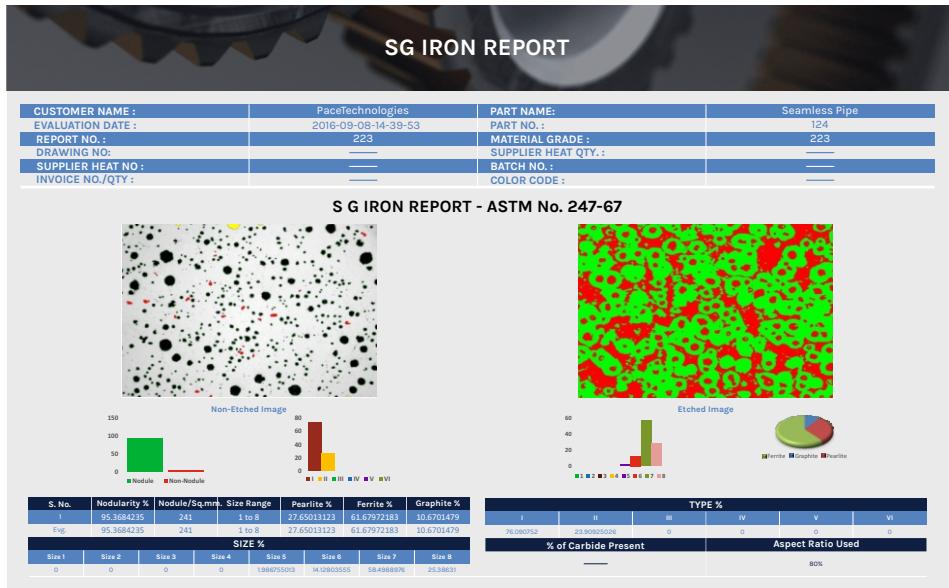


Fig-30