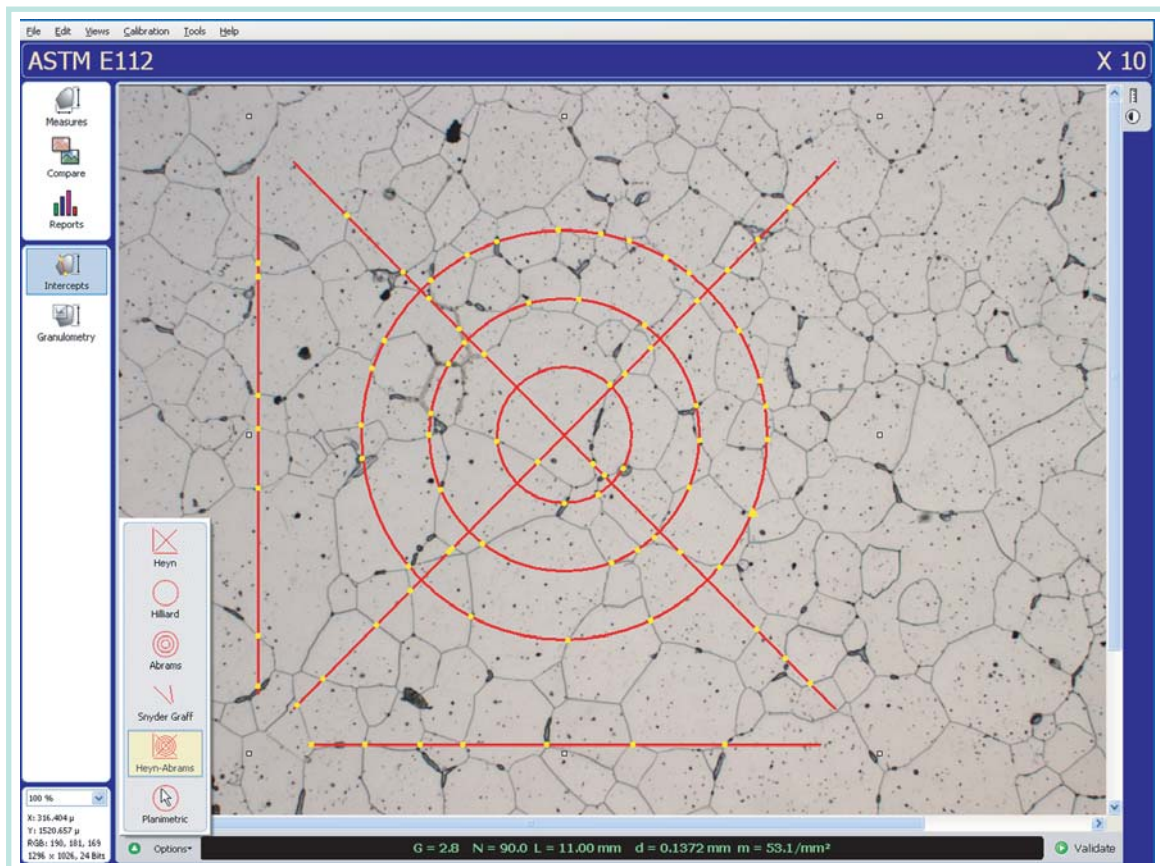


GRAIN SIZE ANALYSIS

FAST, ACCURATE, REPRODUCIBLE



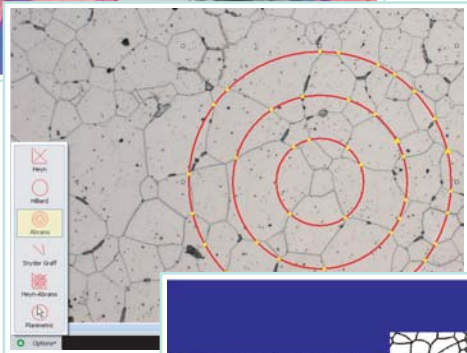
- ▶ Get instant image acquisition
- ▶ Choose intercept method for accurate measurements
- ▶ Compare to image standards for fast results
- ▶ Get statistics results with Global Granulometry analysis
- ▶ Print out professional reports with customized forms
- ▶ Communicate reproducible results to third parties

GRAIN SIZING IN COMPLIANCE WITH ASTM E 112 / EN ISO 643



IMAGE CAPTURE / DIGITAL CAMERAS

Get instant image capture from digital or analog cameras and any Twain devices. Take benefit of our user-friendly interface including live image, bar graph focus and instant access of main settings.



INTERCEPT METHOD

Use the intercept method to obtain fast, accurate and reproducible results. Five different intercepts masks are available. Improper detection and triple points can be manually modified. Planimetric method (manual counting in/out bound standardized mask) is also available.

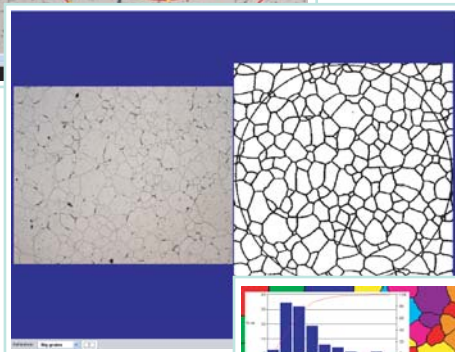
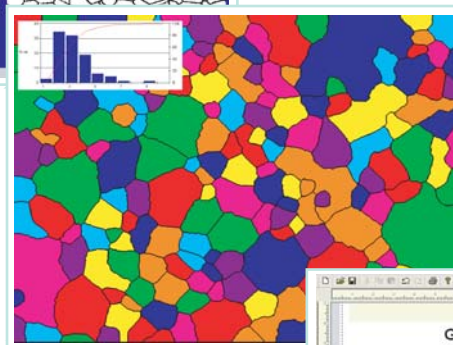


IMAGE COMPARISON

Image comparison offers a fast method for grain sizing assessment. Grani provides a clear interface to compare images including zoom in/zoom out. According standards(ASTM E112/EN ISO 643) the G results follows the calibration factor.



GRANULOMETRY ANALYSIS

Interactive thresholding and processing tools enable instant detection of grain boundaries. Thus complete results are available including distribution, mean, max, min diameters, and areas...

REPORT GENERATOR / EXPORT RESULTS TO EXCEL

Grani is supplied with a powerful report generator. In one click print out all results and relevant image. All results are also Excel compatible.

GRANI 3 GRAIN SIZE ANALYSIS REPORT			
Sample date	07/05/2005	Sample time	14:53:06
Type			
Operator			
Sample			
Batch			
G		3.8	
Mean intercept length	0.0962 mm	Standard	ASTME112
Mean density	108.0 mm ²	Method	HeuhAbrams
		Calibration	x 100

Additional imaging solutions to match your specific requirements :

- PERFECT IMAGE** : Powerful software tools for material applications (manual measurements, phase content, image database, image enhancement...)
- GOLD** : Optional image analysis extension for auto/manual objects counting and classification.
- CAST IMAGER** : Nodular cast iron analysis according to EN ISO 945 standard.
- FILTER EXPERT** : Automated cleanliness measuring station, counting and classification of particles and fibers in fluid circuits in automotive and aeronautic industry (ISO 4407, L41-101, E48-655, ISO/DIS 16232).

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