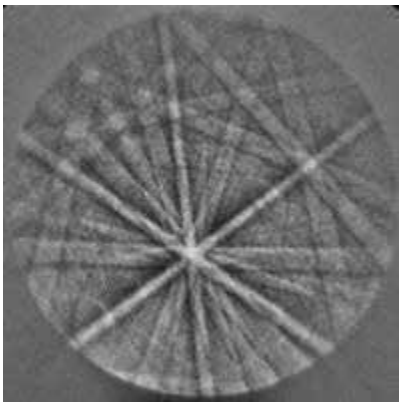
eurofins | EAG Laboratories

PICTURE BOOK

EBSD Examples at EAG

EBSD – Electron Back Scatter Diffraction is a technique using the electron beam of a SEM to differentiate the crystallographic orientations of grains on a sample surface. From EBSD we obtain:

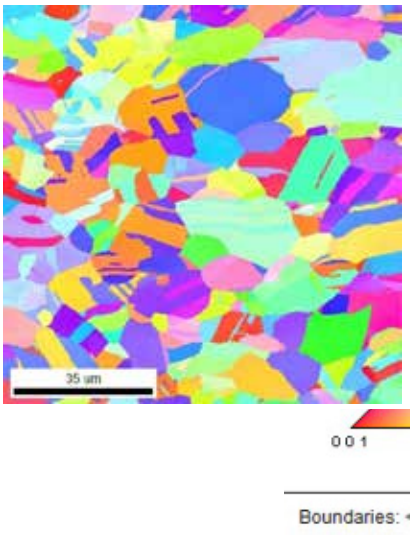
- Grain orientation
- Grain size
- Misorientation between grains
- Pole figures and maps



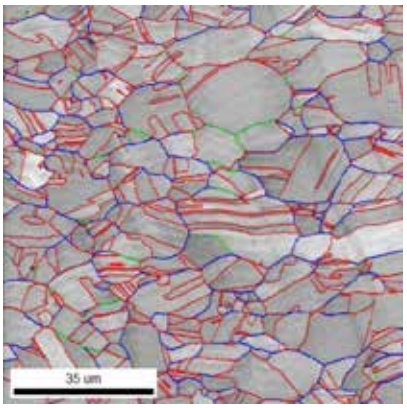
Electron Channeling Pattern

Kikuchi Map

INVERSE POLE FIGURE MAP



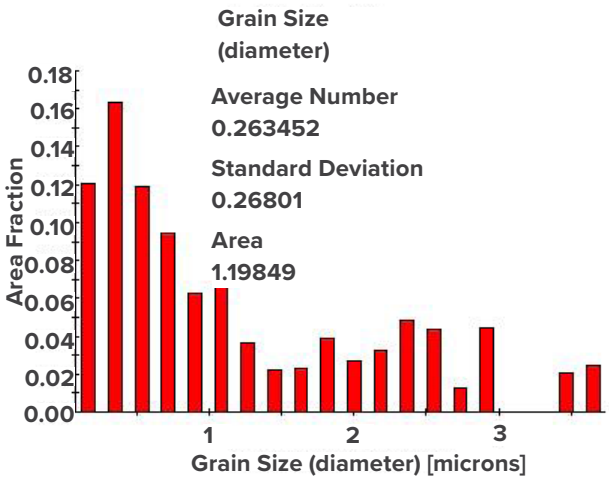
GRAIN BOUNDARY MAP



Boundaries: Rotation Angle

	Min	Max
	2°	30°
	30°	45°
	45°	60°

GRAIN SIZE DISTRIBUTION



POLE MAP