

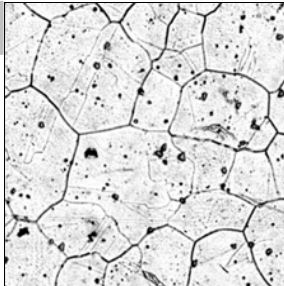
VideoTest-Metal image analysis software is designed for the control of microstructure of metals and alloys according to ASTM, DIN and ISO standards

VideoTest-Metal software includes several standard analysis methods and a possibility to work in a manual mode. Analysis results are sent to built-in database for storage and quick search and can be printed out using customizable templates.

METHODS

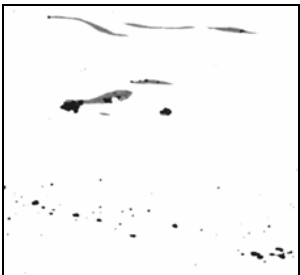
Grain Size

Steel grain size – ASTM 1382, ASTM E 930, ASTM E122, ISO 634, DIN EN ISO 643-2003
Prior austenitic grain size – ASTM E 112, ASTM E 1382
Non-ferrous metals and alloys grain size



Nonmetallic Inclusions

Determination of inclusions type – oxides, sulphides, silicates, oxides + sulphides + silicates
Estimation of the inclusions - ASTM E 1245, ASTM E 45, E 1122, ISO 4967, DIN 50602
Stitches of inclusions



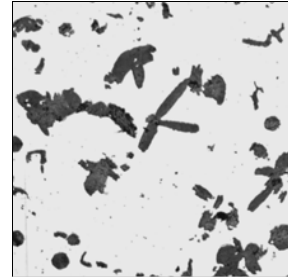
Percentage of Microstructural Constituents

Relative contents of ferrite and pearlite
Ferrite content in austenitic steel
Carbides in tool steel
Length of martensitic laths and needles



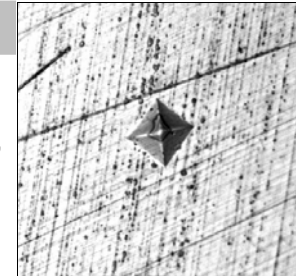
Graphite Inclusions in Cast Iron

Automatic determination of the type, form and size of graphite inclusions – ASTM A 247



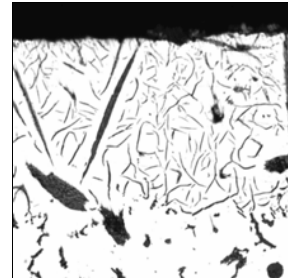
Hardness

Vickers and Knoop hardness methods – ASTM E 384, E 92



Depth of Layers

Decarburized layer depth - ISO 3887
Determination of the depth of any modified layers and coatings



Free Mode

Linear measurements
Measurements of objects of complex shapes
Image annotation

