



# VideoTest-Structure

## Image Analysis for material sciences

Windows 9x/NT compatible software

**VideoTest-Master (Structure)** software provides enhancement and measurement of the images acquired with a CCD camera installed on the microscope. The analysis data are processed statistically. The images and data can be stored in VideoTest-Album Image Database. VideoTest-Master (Structure) can be used as general-purpose image analysis software. It also includes several pre-installed methodics (macros) for specific material applications.



**VideoTest-Master (Structure)** main functions:

- Image acquisition with CCD camera or scanner, open images from files, paste them from the clipboard
- Image enhancement and annotation
- Manual measurements of linear parameters and angles
- Automatic and manual objects' thresholding and segmentation
- Automatic measurement, recognition, and classification of the objects
- Statistical treatment of the analysis data
- Stereology analysis
- Data export to MS Excel for additional statistical treatment
- Save images to .bmp, .pcx, .tiff, .gif, .jpeg files
- Print images and data
- Four pre-installed methodics (macros): Measure, Count and Size, Phase Analysis, Grain Sizing
- Ability of user to create, copy and modify macros
- VideoTest-Album 3.0 image database included

**VideoTest-Master (Structure)** includes 4 pre-installed methodics (macros):

### Measure

Objects' thresholding and measurement.

### Count and Size

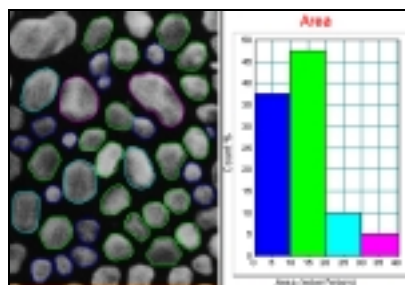
Objects' thresholding, measurements, and automatic classification.

### Phase Analysis

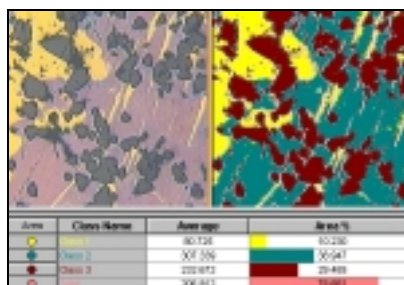
Thresholding the image phases which differ in color or brightness. The thresholded phases are measured, and the area percentage of different phases is calculated.

### Grain Sizing

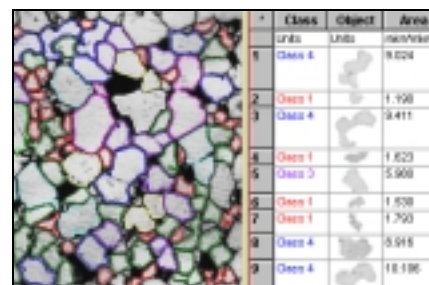
Steel grain sizing analysis in accordance with ASTM E 1382 - 97 (average grain size) and E 930 - 92 (largest grain size), ISO 643, and GOST 5639 - 82 (Russian standard).



Count and Size



Phase Analysis



Grain Sizing



P.O. Box 356, St.-Petersburg, 190000 **RUSSIA**  
Phone: +7(812) 314-8100, 314-8445  
Fax +7(812) 325-6494  
e-mail: [info@videotest.ru](mailto:info@videotest.ru)  
<http://www.videotest.ru>

Distributed by: