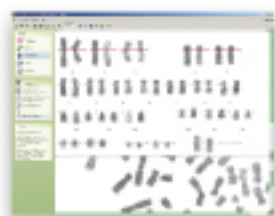


# IMAGE ANALYSIS SOFTWARE "VIDEOTEST"

"VideoTest" company was founded in 1990 in Saint-Petersburg, Russia, and started its activity with developing software for processing images, obtained with the microscope. Nowadays the main company work area is developing up-to-date image analyzers (software/hardware complexes), which are widely used in various fields of medicine, biology, material science and many others.

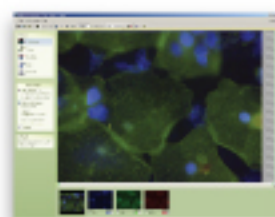
The basic principle allowing our company to produce high-quality image analyzers consists in continuous work on improvement of complex software and hardware components. For each field of application we assort equipment matching in the best way to customer's objectives, that allows achieving optimal quality-price ratio system in whole.

VideoTest image analysis systems are developed in association with specialists of leading scientific research institutes and scientific centers, where our systems and methods are tested and approved.



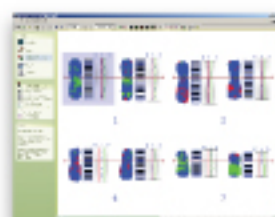
## VIDEOTEST-KARYO

The special cytogenetics software for automatic human chromosomes karyotyping, animal and plant chromosomes manual karyotyping. Capability to work with samples according to bright-field (G, R staining) and luminescence methods (Q-staining). High-accuracy automatic human chromosomes karyotyping according bands position. Ability to create user's chromosome classifier and train this customizable classifier using specialist's own specimens.



## VIDEOTEST-FISH

The special cytogenetics software automation of fluorescence in-situ hybridization (FISH) analysis. Ability to work with chromosome and cell specimens images. Automatic obtaining the resulting color image by combination of color coded source images. Automatic human chromosomes karyotyping on the image obtained using DAPI filter.



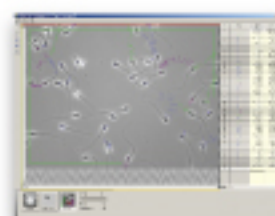
## VIDEOTEST-CGH

The special cytogenetics software for automation of comparative genomic hybridization (CGH) analysis. Acquiring stacks of metaphase plate images with hybridized DNA (using DAPI, FITC and TRITC filters). Calculating fluorescence ratio. Visualizing chromosome regions with deletions and amplifications. Constructing fluorescence ratio profiles (FITC/TRITC) of each chromosome.



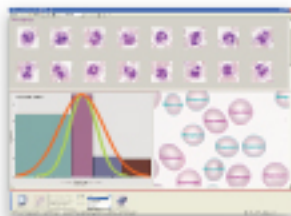
## VIDEOTEST-SPERM

The special software for human spermatozoa motility and morphology evaluation. Determining spermatozoa concentration (in M/ml). Measuring spermatozoa movement parameters recommended by WHO and classifying spermatozoa into motility classes. Automatic dividing spermatozoa into norm and pathology classes by head parameters according to Kruger strict criteria and calculating their percentage.



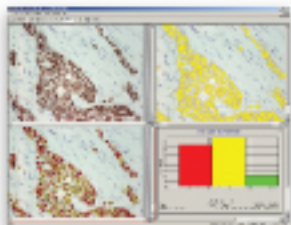
## VIDEOTEST-ZOOSPERM

The special software for farm animals (bulls, boars, horses and so on) spermatozoa motility analysis with the calculation of insemination doses. Capacity to work both with fresh and frozen sperm specimens.



### VIDEOTEST-HEM

The special hematological software for complete blood cells analysis in laboratory practice. Fully automatic blood slides scanning with camera and motorized stage settings control just from the software. Three specific routines of blood cells analysis: "White blood cells formula", "Red blood cells measurements" and "Platelets count".

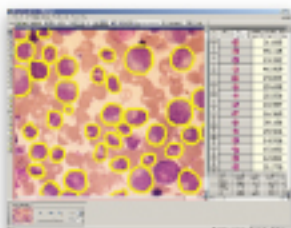


### VIDEOTEST-MORPHOLOGY

Powerful universal software for different image analysis tasks solution in cytology, laboratory hematology, microbiology, and many others. Quick processing similar-type images with obtaining data of full sample statistical analysis. A set of ready-to-use preset routines corresponding to the most typical tasks of image analysis in material science.

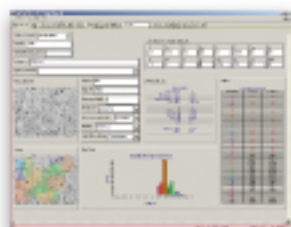
The following routines can be included into software on commercial basis:

- DNA Ploidy Analysis;
- Nuclear Cytoplasmic Ratio;
- Poikilocytosis Evaluation;
- Reticulocytes Count;
- Colony Count;
- Cells viability assay by dye exclusion technique;
- Frequency measurements.



### VIDEOTEST-SIZE

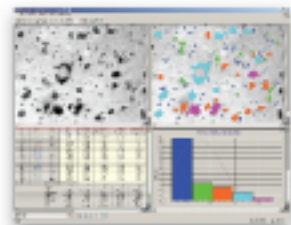
Lite universal software for image documentation tasks and measurements. Basic software capabilities include automatic images stitching, extended focus, Linear and angle measurements, automatic measurements of objects contours drawn manually (about 40 parameters), built-in database for images and text information storing.



### VIDEOTEST-METAL

The special material science software for quality estimation of metals and alloys in accordance with international standards (ASTM, ISO, DIN and SEP). The basic software package includes routines enabling work on the following directions and standards:

- analyzing grain size in steel and alloys: ASTM E 1382, E 930, E112, ISO 643;
- nonmetallic inclusions control: ASTM E 45, E 1122, E 1245, ISO 4967, DIN 50602;
- evaluating the microstructure of iron casting over graphite and metal basis: ASTM A 247;
- layer depth estimation: ASTM 1077, ISO 3887;
- microhardness evaluation: ASTM E 384, E 92.



### VIDEOTEST-STRUCTURE

Powerful universal software for different image analysis tasks solutions (grain size analysis, phase analysis, porosity etc.) in geology, metallurgy, ceramics, nanotechnologies and many others. Quick processing similar-type images with obtaining data of full sample statistical analysis. A set of ready-to-use preset routines corresponding to the most typical tasks of image analysis in material science.

#### MANUFACTURER:

VideoTest Ltd.  
198035, St. Petersburg, Russia, POB 61  
Tel: +7 (812) 490-9188; 490-9918  
Fax: +7 (812) 325-6494  
info@videotest.ru  
[www.videotest.ru](http://www.videotest.ru)

#### Distributor in the USA and Mexico Territory:

PHYSICAL TEST SOLUTIONS  
11952 Lindblade St.  
Culver City, CA. 90230  
Tel: (310) 736-1901  
info@physicaltestsolutions.com  
[www.physicaltestsolutions.com](http://www.physicaltestsolutions.com)

