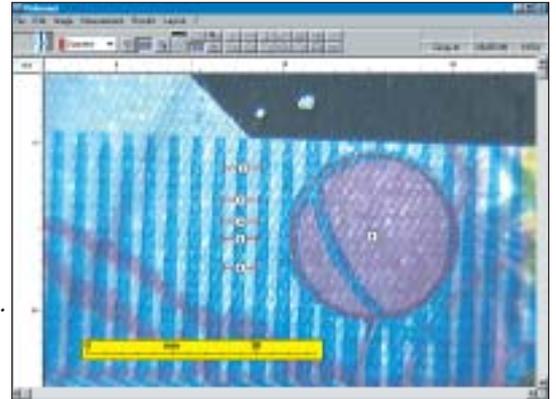
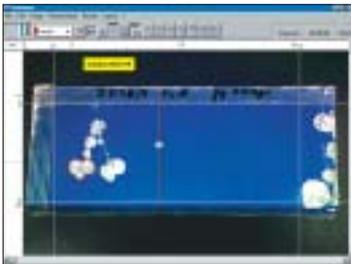


VideoMet is a component measurement application with numerous interactive and powerful analysis, imaging and viewing tools.

VideoMet includes an automatic edge detection facility using image analysis making it a powerful a Video Profile Projection system.



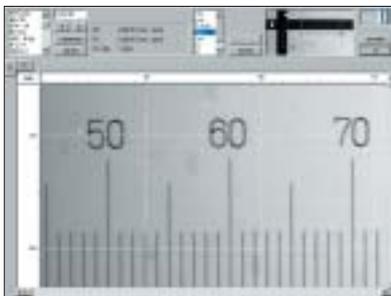
Acquiring the Images



Images are instantly acquired from a black and white or color camera



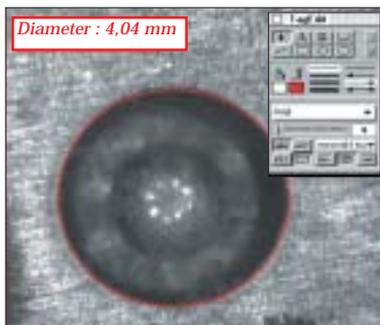
Calibration and Measurements



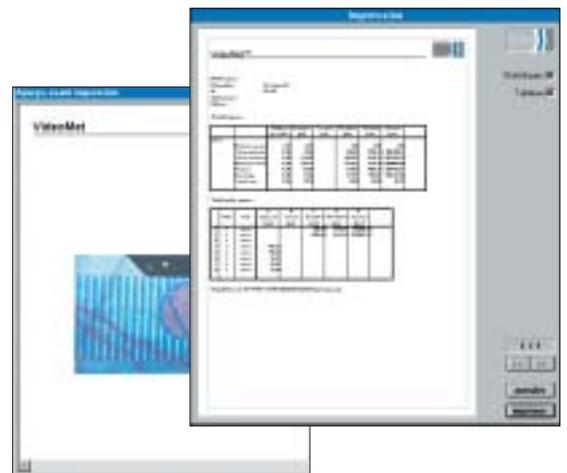
VideoMet enables you to record the same measurement at the same location on successive components, ideal for routine quality checks. The measurements provided are as follows: position, length, width, elongation, ferets, diameter, orientation, radius, equivalent diameter, perimeter, area and shape factor.

Automatic calibration is performed by the detection of the graduations of a standard micrometer scale.

Results, Printing, Editing Images



We have taken care to ensure the documents created are immediately accessible: Laser printout of the images, Image labeling, Storage in files that can be manipulated with other applications.



An open system



When connected to metrology stages, VideoMet allows you to make micron precision measurements over long distances.

Thanks to particularly open technology, VideoMet interfaces with most industrial equipment.

Characteristics

Optics

Microscope, Macroscope, Zoom Lens
Magnification: 0.7x to 1000x
Working distance: 50 to 600 mm
Lighting: incident, reflected or transmitted

Video, Computer and Display

Black and white CDD (768 x 512) or RBG color camera, Pal, Y/C
PC (Pentium 500 MHz or better with an 256 MB RAM)
Simultaneous display of the live image on monitor)
Real-time digital zooming: 2:1, 4:1, 8:1

Measurements and Calculations

Position, distance (x, y, absolute), curvilinear distances - circles and ellipses, angles, areas, perimeter, length/width and aspect ratios, short axis/long axis, eccentricity, shape factors
Redefinable coordinate system
Integrated statistics

Precision

With captured image: 200 μ m per 100 mm / 1 μ m per 0.5 mm
With motorised stage or encoders: 1 μ m per 200 mm or more

Processing and Printing

Results archiving
Hard copies of reports
Printout via impact, ink jet or laser printer
Image editing and annotations

Data

Export to standard applications (e.g. spreadsheets or databases)
Export to Windows applications (figures and graphs)

Accessories and Options

Fibre optic lighting
Special sample holders (opaque and transparent)
Mechanical microscope stage with encoders
Motorised microscope stage



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