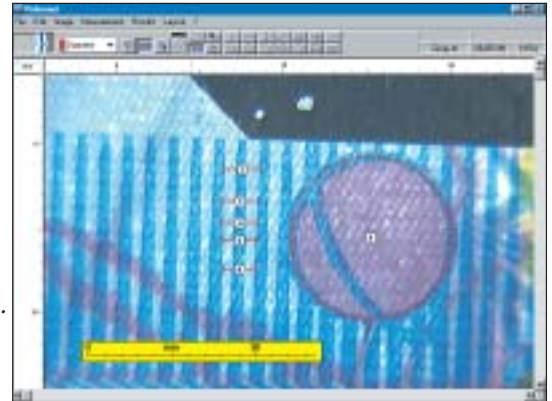


VideoMet is a component measurement application with numerous interactive and powerful analysis, imaging and viewing tools.

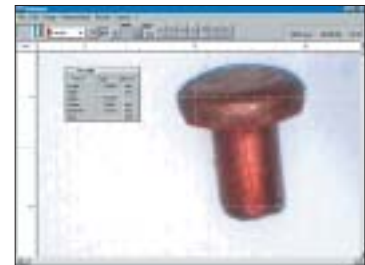
VideoMet includes an automatic edge detection facility using image analysis making it a powerful a Video Profile Projection system.



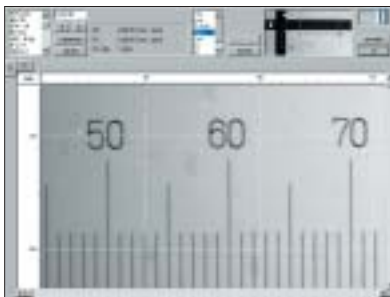
## Acquiring the Images



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



## Calibration and Measurements



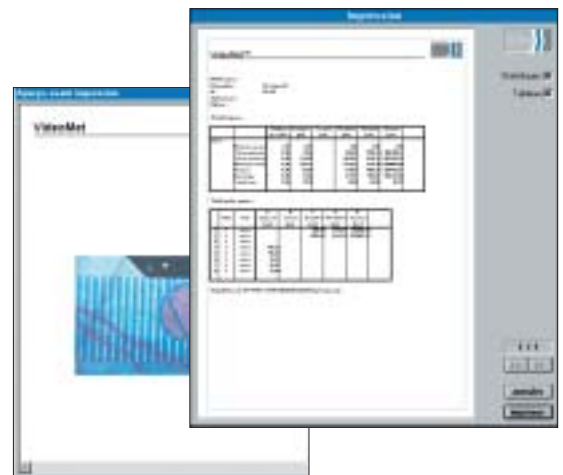
VideoMet enables you to record the same measurement at the same location on successive components, ideal for routine quality checks. The measurements provided are as follows: position, length, width, elongation, ferets, diameter, orientation, radius, equivalent diameter, perimeter, area and shape factor.

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  $\mu$ m per 100 mm / 1  $\mu$ m per 0.5 mm  
With motorised stage or encoders: 1  $\mu$ 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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