

# PG 1000 Cutting Tool Inspection Systems



## *Compare the Features:*

- Euro-Tech basic software
- USB digital video image processing
- 6x zoom video microscope. Magnification from 7.5x, 10x, 15x, 25x, 35x, 45x, and 55x
- Calculations by digitized computer screen or 1 micron linear scales. Single area of interest edge detection. Angles, included angles and radii.
- Comparison of angles, included angles and radii
- DXF file overlay
- Save tool documentation by area of inspection for total inspection document or inspection guide for future inspection
- Totally enclosed camera and microscope for system protection



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## ***Model 1000-200-VBS***

Package Includes Hardware, Software & Computer

[www.eurotechcorp.com](http://www.eurotechcorp.com)

[www.pg1000.com](http://www.pg1000.com)

## Model 1000-200-VBS



### ► Hardware Specifications:

Microscope: \*VBS 6X optical system  
Magnification: 7.5x, 10x, 15x, 25x, 35x, 45x, 55x and 145x  
Field of view: 7.5x = 24 mm, 10x = 18 mm, 15x = 12 mm  
25x = 7 mm, 35x = 5 mm, 45x = 4 mm  
55x = 3 mm  
Camera: \*.30 mega pixel 1/2" format USB color camera,  
Computer: \*Dell mini-tower, Pentium IV or AMD dual core processors, 1 GB RAM minimum, 80.0 GB minimum hard drive 17" 4:3 ratio digital flat panel monitor includes three (3) year on site next day Dell service contract in the U.S.  
Operating System: \*Windows XP Pro  
Scales: RSF or Fagor

#### Screen Resolutions

Live: Low = .033 mm (.0013") 7.5x  
High = .005 mm (.0002") 55X

#### Product Information:

Software Upgrades: Free off of the Euro-Tech web site  
Base Hardware: See Euro-Tech web site: [www.pg1000.com](http://www.pg1000.com) or PG 1000 brochure for construction details.  
Warranty: 1 year on all parts supplied by Euro-Tech at the time of purchase as an upgrade or full system

### ► Software Specifications:

Software language: English  
Screen display: Date, tool number and name input by operator, electronic crosshair (Z-axis), slide positions "X" horizontal and "Y" vertical, inch/metric display, menu bar, tool bar, status bar, note pad, Windows "Help" file

#### \* Software Features

File: Print and save images as .ctm or JPG files, backup, restore  
View: Contrast, brightness  
Setup: Crosshair setup, magnification selection, system options.  
Options: Excel. (Supplied by customer)  
Calibration: Manual calibration process using PG 1000 reticle  
Calculations: Calculation by screen point location, linear scales and single area of interest edge detection Calculations options include angles, included angles, and radii  
Comparisons: Comparisons are done over a live image and include angles, included angles, circles and radii, DXF file overlay  
Help File: Help file

Network compatible. Supports ISO

\* Euro-Tech reserves the right to change microscope, digital readout and scale manufacturers, camera manufacturers, computer manufacturers, operating systems and computer components as needed.