

PG 1000 Cutting Tool Inspection Systems

Compare the Features:

- 5 Mega pixel camera requiring minimum lighting, reduces hot spots from lighting
- 12x microscope, magnifications from 12.5x to 145x. Magnifications automatically synchronize to PC
- Automatic screen calibration with electronic magnification change stabilization
- Area of interest edge detection on one or more areas.
- 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 1000-400-CMN

Package Includes Hardware, Software & Computer

www.eurotechcorp.com
www.pg1000.com

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► Hardware Specifications:

Microscope*: CMN 12X optical system

Magnification: 12.5x, 20x, 30x, 40x, 50x, 60x, 70x, 80x, 90x, 110x, 120x, 125x, 130x, and 145x

Field of view: 12.5x = 25 mm, 20x = 16.7 mm, 30x = 11.6 mm, 40x = 8 mm, 50x = 6.6 mm, 60x = 5.4 mm, 70x = 4.55 mm, 80x = 4.0 mm, 90x = 3.5 mm, 110 = 3.0 mm, 120x = 2.8 mm, 125X = 2.6 mm, 130x = 2.5 mm and 145x = 2.3 mm

Camera*: 5.0 mega pixel ½" 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 DVI Video interface, 19" or 20" Digital wide screen 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 (sub-sampling) : Low = .020 mm (.00078") 12.5x
High = .0016 mm (.000062") 145X

Live (Used for area of interest calculations): Low = .010 mm (.00039") 12.5x
High = .0008 mm (.000031") 145X

Product Information:

Software Upgrades: Free off of the Euro-Tech web site

Base Hardware: See Euro-Tech web site
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, Image overlay, backup, restore

View: Contrast, brightness, hue

Setup: Crosshair setup, magnification selection, system options.

Options: Excel. (Supplied by customer)

Calibration: Calibrate using PG 1000 reticle. Both manual and automated process. Manual calibration, Manual calibration options for "X" axis center point and base block.

Calculations: Calculation by screen point location, linear scales and multiple area of interest edge detection Calculations options include angles, included angles, circles and radii, helical angle and land width, distance, rake angles (front view), midpoints and flute shape.

Comparisons: Comparisons are done over a live image and include angles, included angles, circles and radii, rake angles (front view), circle tangent to lines, parallel lines. DXF file display lockable to tool image, save and recall comparisons

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.