

PG 1000 Cutting Tool Inspection Systems



Compare the Features:

- 1.3 Mega pixel camera
- High resolution 12x microscope, magnifications from 15x to 260x
- Automatic screen calibration with electronic magnification change stabilization
- Area of interest edge detection
- Save tool documentation by area of inspection for total inspection document or inspection guide for future inspection



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Model 1000-400-C160

Package Includes Hardware, Software & Computer

www.eurotechcorp.com

www.pg1000.com

Model 1000-400-C160



► Hardware Specifications:

Microscope:	*C160 12X optical system
Magnification:	15x, 25x, 40x, 55x, 70x, 80x, 90x, 120x, 150x, 175x, 210x, and 260x
Field of view:	15x = 17 mm, 25x = 11, mm, 40x = 8 mm, 55x = 6 mm, 70x = 4.5 mm, 80x = 4 mm, 90x = 3.5 mm, 120x = 2.5 mm 150x = 2 mm, 175 = 1.5 mm, 210x = 1.2 mm, 260X = 1.0 mm,
Camera:	* 1.3 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 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:	Low = .025 mm (.001") 15x High = .0009 mm (.000030") 260X
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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, monochrome
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.