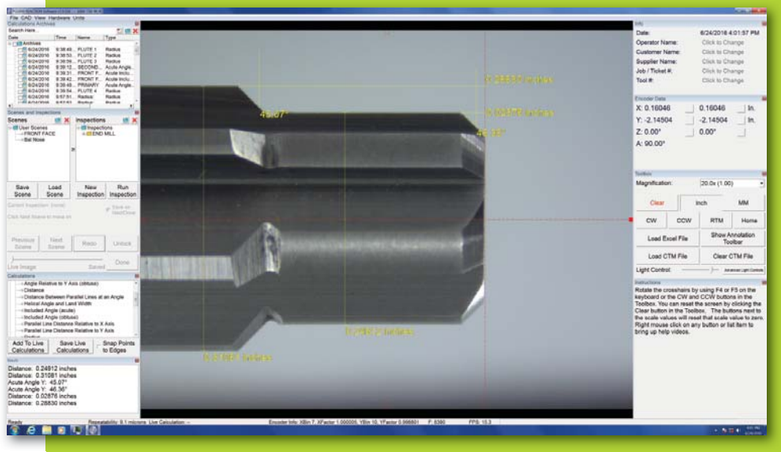
PG1000
Cutting Tool Inspection System

Archived tool inspection data for step reamer



Where's my manual?

Don't look for a PG1000 user's tool inspection manual, there isn't one. Cutting tool are like machine tools, everybody uses them but for different reason to machine different parts. Cutting tool are no different, every manufacture makes them to their specifications claiming to be them to be the best. We created REACTION Software with all the tools to let you the user decide with your tool manufacturer how best to check your tools or if you are the manufacturer you know better than we do how to check you're tools. The job of REACTION Software is to show you the tools that are available through on screen text, prompts and video examples. The text has been translated into three languages, but you now the old saying, "A picture is worth a thousand words". Feel free to contact us any time with any questions.

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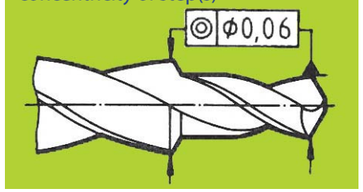
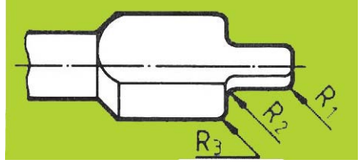
PG1000 **REACTION** Software

back clearance angle of minor edge

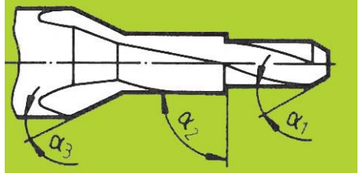
concentricity of step(s)



radius comparison



step angles



web thickness

PG1000 REACTION Software is a proprietary software written by Euro-Tech for the exclusive purpose of cutting tool inspection. The word REACTION is an acronym for **REA**ltime **C**utting **T**ool Inspect**ION**. Meaning we digitally analyze five million pixels, sorting over sixteen million colors fifteen times a second to find patterns and shapes overlooking excessive glare from too much directed light, shadows, irregular or broken shapes. REACTION Software does not electronically enhance, crop or magnify tool images in any way, what you see is exactly what the camera captures, the GPU and CPU analyze to help you the user inspect your cutting tools. We didn't use a CAD system as the backbone of our software. CAD systems while great for drawing images and dimensioning them on paper are incapable of doing complex custom image analysis, instead we wrote our own software to fill just the needs of cutting tool inspection.

Multiple inspections can be made on a single image in real time, saved they become an inspection scene. Save an inspection scene and you've just created a macro to repeat tool inspections. Save multiple tool scenes to create complete tool inspection, save scenes and inspection as archives for tool documentation or export inspection data to Excel. Import .dxf or .dwg files for tool comparisons or collect data points for export to a CAD system.

We take your good suggestions, ideas and make them reality, truly Cutting Edge Inspection Software for Cutting Tools.

euro • tech

The PG1000 is a product of:
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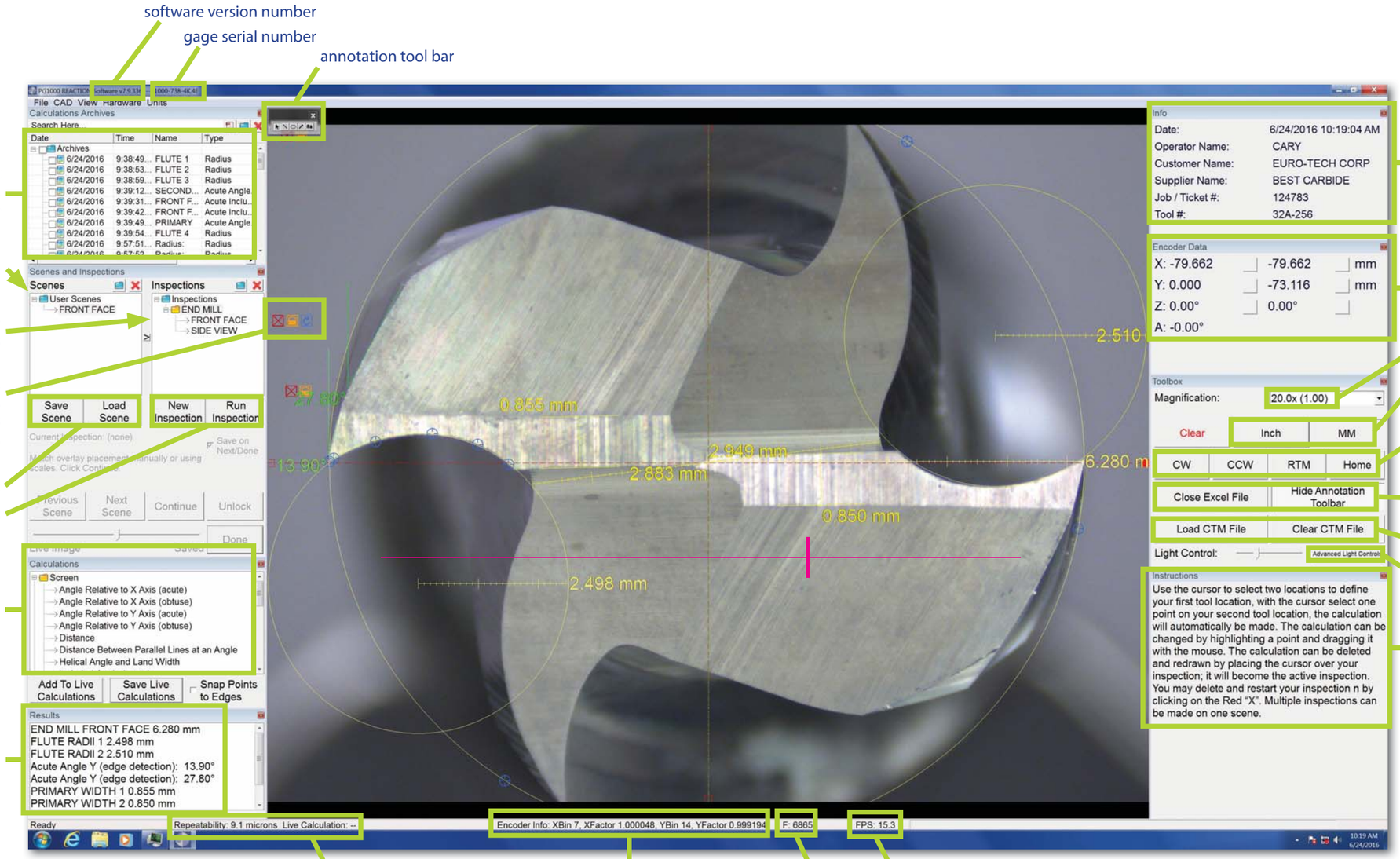
REACTION Software



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