

FASTENERCAM™



TRI's FastenerCam™ is a handheld QA/QC tool to verify the cold expansion of fastener holes which has been used to evaluate hundreds of legacy holes on A-10 and T-38 aircraft.

lasts for a full 8 hours, and the web browser based user interface allows users to operate the FastenerCam™ using any Wi-Fi enabled device (laptop, tablet, smart phone, etc.).

Cold working has been used for decades in the fastener holes of aircraft structures to extend the material's fatigue life. FastenerCam™ is an inspection tool which can conclusively determine:

1.) The cold work process has been applied to a hole, and 2.) The results are within process specifications. The expansion of newly cold worked holes can be quantitatively evaluated to within 0.5% of the hole diameter. Legacy holes can be qualitatively evaluated to determine if any prior cold expansion has been applied to the fastener hole. A digital copy of each inspected hole is kept for records and possible future analysis should engineers need to reevaluate the maintenance schedule. The FastenerCam™'s small and lightweight design allows it to be used in tight and hard to reach locations. Its rechargeable battery

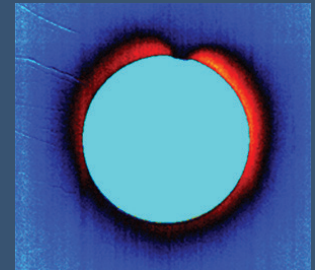


FastenerCam™

A Product of TRI Austin

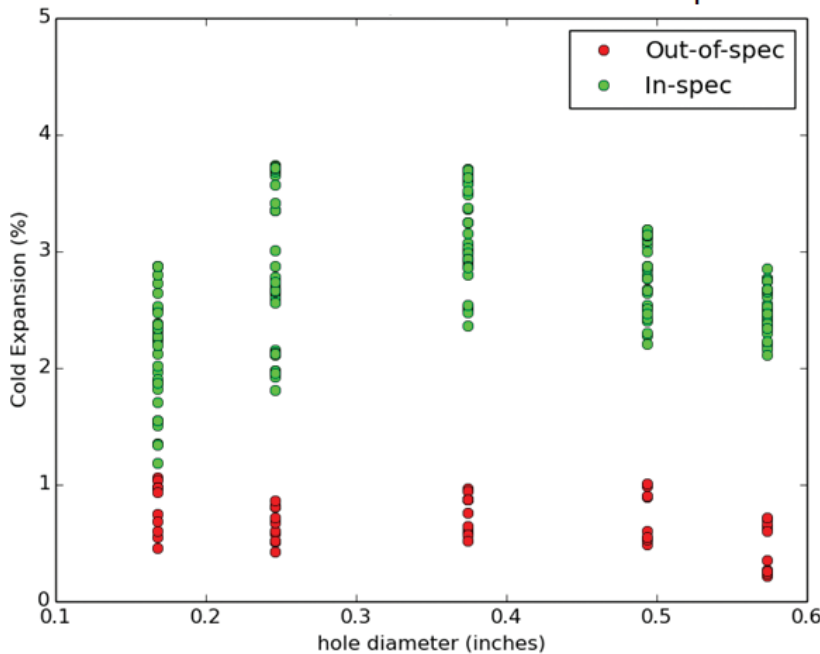
FastenerCam™ Reports

- Estimated amount of cold expansion
- Final hole diameter
- Estimated pre-expansion diameter
- Countersink angle
- Countersink depth
- Countersink alignment with thru-hole



The data from the FastenerCam™ verifies that this 0.375" diameter fastener hole has been cold expanded by 4.0%.

Evaluation of holes in 0.313" aluminum plate



THE FASTENERCAM™ IS THE ONLY NON-DESTRUCTIVE INSPECTION TOOL TO VERIFY THE COLD EXPANSION OF AIRCRAFT FASTENER HOLES



tri-austin.com

TO LEARN IF FASTENERCAM™ CAN HELP YOU WITH YOUR APPLICATION, CONTACT:

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