



# LaserQC®

## New Form Checking Station for 3D Materials

Now more than ever LaserQC gives you the edge in:

- First article inspection
  - Statistical Process Control (SPC)
  - Reverse engineering
- ...In the Flat and In the Forming Process

Now with the LaserQC Form Checking Station Software you can inspect formed parts (3D materials) to ensure all aspects of your part are within tolerance. Using electronic gauges this new software captures the dimensions required and stores them in the same file as your 2D or flat data.

The software can be used with the LaserQC 2D measurement system or as a stand alone laser-less measurement station at any of your forming/assembly stations. LaserQC Form Checking Station Software can be loaded on to a standard P.C. and networked so that multiple stations throughout your plant can add information to the original 2D report. Every aspect of forming your flat part can be recorded effortlessly providing you 100% inspection throughout the forming/assembly process.

With LaserQC you can reduce your inspection time by up to 80%, providing you with less downtime, more throughput and 100% confidence.

The user-friendly LaserQC Form Checking Station Software is a fast and easy way to:

- Create a template for critical inspection dimensions.
- Collect data on the critical dimensions of your parts.
- Create inspection reports in seconds to meet your customers' and your own internal quality requirements.
- Create SPC data including charting data in a Histogram, Run Chart, and X Bar/Range plot.

### **Get the competitive edge**

LaserQC delivers the kind of bottom-line benefits that can help you build and retain more business: faster turnaround, increased throughput, lower costs per part, reduced scrap and rework, higher customer satisfaction. The speed and simplicity of the LaserQC Form Checking Station Software, combined with its automated documentation capabilities, enable you to upgrade your quality process with minimal cost, training and effort.

Get  
the  
Edge



**VIRTEK**

# Form Checking Station

LaserQC®

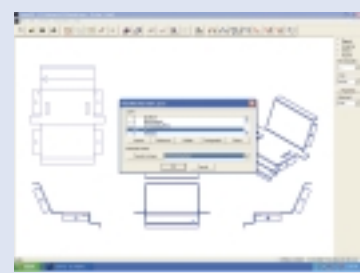
LaserQC Form Checking Station Software can either work in conjunction with a LaserQC system or as a stand alone Form Checking Station. Either way the software is designed to set up easily so your Form Checking Station gets up and running in just minutes.

Laser Fast  
Laser Accurate  
Four Easy Steps

## How it works

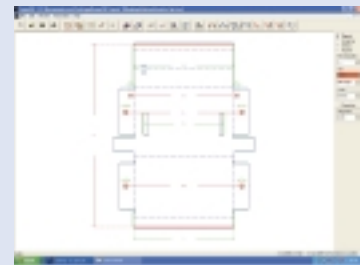
### 1 Create an Inspection Check Sheet

- Open the appropriate CAD file
- Transfer the orthographic images to the orthographic page
- Create the inspection check sheet file for the flat view
- Go to the orthographic page and create the dimensions required for inspection and save this 3D inspection check sheet for later use



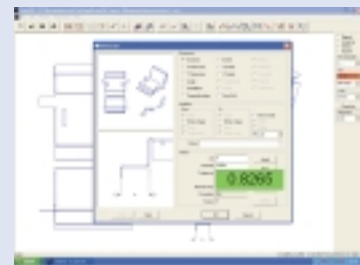
### 2 Inspect the 2D Part

- Scan the flat part to gather inspection results
- View the flat inspection results
- Save as an inspection in process file



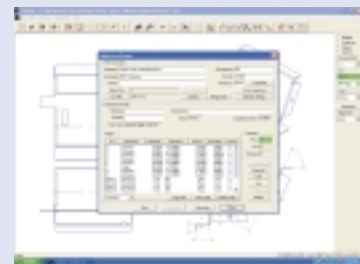
### 3 Inspect the 3D Part

- Open the inspection in process file to begin inputting manual inspection results
- Use electronic gauges or another measuring device to measure a specific dimension
- The report dialogue box will automatically guide you through the inspection process
- If the dimension is out of tolerance the manual entry box will appear with the measurement in red
- If the dimension is within tolerance the manual entry box will appear with the measurement in green



### 4 Automatically Generate Reports

- Orthographic results appear on the report page
- Choose from SPC summary reports or include charts
- Customize Excel templates if you prefer
- Print off inspection reports as required



## Customer-proven performance

With the help of industry leaders in precision sheet metal work LaserQC has been improved upon, and proven on the shop floor. LaserQC provides users with full production monitoring and 100% inspection throughout the manufacturing process. Extensively tested in North America and Europe, LaserQC is now on the job in applications ranging from aerospace and high-tech manufacturing to cabinetry and heavy equipment.

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**VIRTEK**

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