

VIRTEK LASERQC

Engineering
Simplicity.



Eliminate your QC Bottleneck
Generate a fully dimensioned inspection report in seconds.

New look, same best in class reliability and performance.

LaserQC® is the premier solution for two-dimensional part inspection. LaserQC® dramatically increases throughput in precision sheet metal, foam, leather, aerospace, and gasket fabrication. The system is designed for first article inspection, quality reporting (SPC, ISO, LEAN), reverse engineering and automatic formed measurement.

LaserQC® delivers bottom-line results.



Laser Fast (and Easy)

LaserQC® captures over 500 data points per second to make part inspections laser-fast, right on the shop floor.

Designed to set up easily so your system is up and running in less than a day. The intuitive user interface allows new operators to become fully proficient within just a few hours.

Laser Accurate

The system quickly performs 100% inspections accurate to $\pm 0.002"$ (0.05mm) for 2D measurements and $\pm 0.010"$ (0.25mm) for formed measurements.

Shop Floor Friendly

LaserQC® offers a reliable, low-maintenance solution that operates along side your facilities CNC equipment.

The system self-calibrates and adjusts system settings to accommodate for environmental changes common to the shop floor.

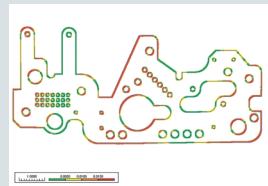
Additionally, Virtek offers a Part Stabilizer add-on, created specifically for use in the gasket and seal industries.



Part Stabilizer Add-on

Get the Edge in 2D and Formed Part Inspection

LaserQC® delivers the kind of bottom-line benefits that help your shop build and retain business – faster turnaround, increased throughput, lower costs per part, reduced scrap and rework, and ultimately higher customer satisfaction.



First Article Inspection

Integrating laser inspection on your shop floor translates into more 'green-light' time for your production equipment.

Accuracy Dashboard

LaserQC® makes first part inspection fast and easy with no special training required. Color codes indicate any part deviations.

2D Reverse Engineering

The scanning process captures the complete profile of existing parts or templates at laser speed.

SPC & Quality Reporting

Inspection data from the LaserQC® is saved as CAD files, from which can generate color inspection reports to your specifications.

LaserQC® 1200 System Specifications

Scanning Accuracy

±0.05mm (0.002") (2D only) ±0.25mm (0.010") for height measurement

Maximum Part Thickness

200mm (8.0") for 2D, 305mm (12.0") for AFM

Calibration

Automated

Maximum Scan Zone (single scan)

1220mm x 1220mm (48" x 48")

Oversized Parts

Capable with merged scan feature

Overall Dimensions (LxWxH)

2007mm x 1651mm x 2440mm (79" x 65" x 96")

Operating Environment

10 - 40°C (50 - 104°F)

Power Requirements

110V/60 Hz or 240V/50 Hz

Laser Device & Output

Laser diode device with max. 1mW accessible output

Laser Class

Class II, meeting the 21CFR 1040 standard for CDRH certification in North America
Class 2, meeting the 60825-1:2014 (3rd Ed.), standard for CE certification in Europe

Software

Includes inspection, SPC and reverse engineering

Computer System

Windows 10 64-bit with monitor, keyboard, and mouse

Warranty

One-year warranty on hardware and software updates

Part Stabilizer Add-on for Gasket & Seal Industries

Contact Virtek Vision sales for details



Our customers constantly bring us parts to be reverse engineered. With LaserQC®, this process is quick and easy. The system will pay for itself in less than two years."

John Tempelton, General Manager,
Tempelton & Sons Metal Products Ltd.,
Mississauga, Ontario, Canada



The reporting requirements for our government contracts previously took 2 days. With LaserQC®, we can now do it in **25 minutes**."

Loren Buck, Manufacturing Manager
Garlock Gasket and Seal,
New York, New York, USA



The time factor is extremely important, especially in the service sector. With the LaserQC® we realize a significant competitive advantage."

Thomas Strittmatter, Quality Manager,
ABB Kleindöttingen,
Zurich, Switzerland

Unsurpassed Customer Support

Virtek's highly-skilled and experienced service technicians install and calibrate each projector and train users on site. Customer support centers ensure you achieve maximum productivity of your laser projector.



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