



Fuel Rail Automated Quality Inspection Solutions

Component Engineering specializes in designing and building automated quality inspection solutions for fuel injection rails. Our machines are custom designed to ensure key details, including flatness and true position of mounting brackets, injector cups and inlets, meet your unique specifications and tolerances.

Why partner with us?

Twenty years of experience in automated fuel rail quality inspection solutions.

Preferred supplier to major fuel rail manufacturers.

Over 30 active machines with over 10 million test cycles completed to date.

Tailored solutions integrate the latest inspection technologies while taking into consideration your processes, people, and output requirements.

Benefits to your business.

Consistent quality parts

Reduced waste and rework

Improved cycle time by 10 to 25 seconds per check point

Reduced recalls via 100% inspection

Regulatory compliance

Data capture and traceability meets OEM variable data requirements for quality inspection

Standard Features

Frame with enclosure

Fixture with pneumatic clamping

Controls, including programming, wiring and integration

Safety features

Part master for recalibration

Replacement parts

Operations and service manual

Custom user interface

Operator training and support

Customization Options

TruPosition probe tip customization

Vision Inspection

Laser Inspection

Robot Integration

Remote programming and monitoring capability

Traceability integration

SPC trending

Multi-part testing stations

Weld fixture up-stream process check

To see one of our automated fuel rail inspection machines in action, visit our website – www.cequalitysolutions.com/what_we_do/special_machines.