

# FUEL RAIL AUTOMATED INSPECTION PLATFORM

## AUTOMATING BETTER OUTCOMES, TOGETHER.

**Delivering consistent quality parts on time is essential to your brand and your business.**

OEMs require 100% inspection, variable data collection and 100% traceability on all delivered fuel rails. Our Automated Inspection platform meets those requirements with a lower equipment and labor investment and increased profitability.

### Performance Highlights

- 100% inspection across all check points in 30-seconds or less
- 100% traceability
- Repeatability and reproducibility < 10% on all features – tolerances from 0.03mm to 1.00mm
- Correlation to CMM < 0.10mm
- Capable of running RH/LH parts and V6/V8 parts on the same machine without mechanical changeover
- Current machines running on average 250,000 units / year – 1 machine / 1 shift / 1 operator
- Average inspection cost / unit < \$0.50.

### Standard Measurements

- True Position, profile and perpendicularity of mounting brackets, injector cups, inlets, connectors, pressure sensor ports, and wire harness brackets
- Spead Check
- End-Cap Height Check
- Cross-Strap Height Check
- Injector Cup Notch Orientation Check

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## PLATFORM FEATURES AND CUSTOMIZATION OPTIONS

### STANDARD FEATURES

Work Cell	Frame with enclosure and safety features Fixture with pneumatic clamping Controls, including programming, wiring, and integration Part Master
User Interface	Custom User Interface with Controls
Ongoing Support	Replacement Parts Operation and Service Manual Operator Training and Support

### CUSTOMIZATION OPTIONS

Inspection Technology	2D, 3D Vision LVDT Laser TruPosition Probe with Custom Tip
Material Movement	Robotic Load / Unload
Material Tracking	Barcoding Traceability Integration
Data Collection and Reporting	Variable Data Display with Report Options Statistical Process Control (SPC) Trending
Additional Enhancements	Remote Programming and Monitoring Multi-Part Testing Stations Weld-Fixture Up-Stream Process Check

### LET'S HAVE A CONVERSATION

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