



AV GAUGE & AUTOMATION

FlexMeasure

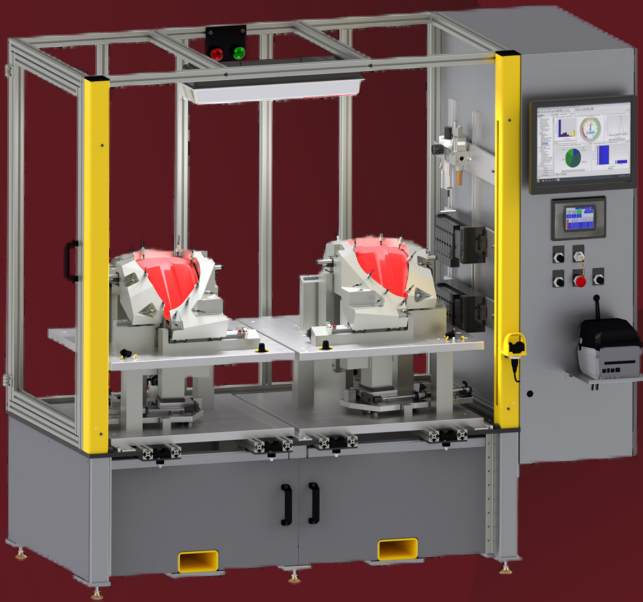
Automated Lighting Inspection Solution

Our FlexMeasure solution provides the capability and speed to perform 100% automated dimensional inspection and Air Pressure Decay Testing on all Lamp Assemblies.

With CMM level precision and zero operator influence, the accuracy and repeatability of this system will exceed even the most stringent OEM measurement and Takt time requirements.



AUTOMATED MEASUREMENT FOR THE DIGITAL LIGHTING FACTORY



Pro Points:

- Cycle Times (<30 sec) full dimensional XYZ report
- Automated OEM datum schemes that mimic vehicle assembly
- Real-time (PASS/FAIL) results, data collection/storage
- Improved CCPK & PPK via increased Process Control
- Program specific tooling via tool-less quick change fixture pallets
- Master calibration with measurement offset capability
- Multiple Products / Lamp Assemblies running simultaneously

FastTrack ROI:

- Reduce inspection Manpower (~95%)
- Reduce capital spend (~50%) with common FlexMeasure cell used across multiple Programs
- Reduce Tooling cost (~20%) Program to Program
- Reduced OEM PR&R costs (less non-conforming product)
- FlexMeasure ROI can be achieved in 1st year of production



Improves

CPK & PPK

Process Control

TAKT Times

Correlation

Dimensional Quality

Ergonomics

Reduces

Quality Sorts

Cycles Times

Quality Budget

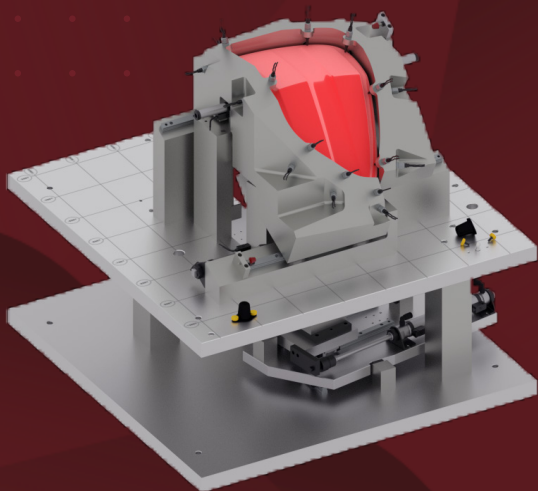
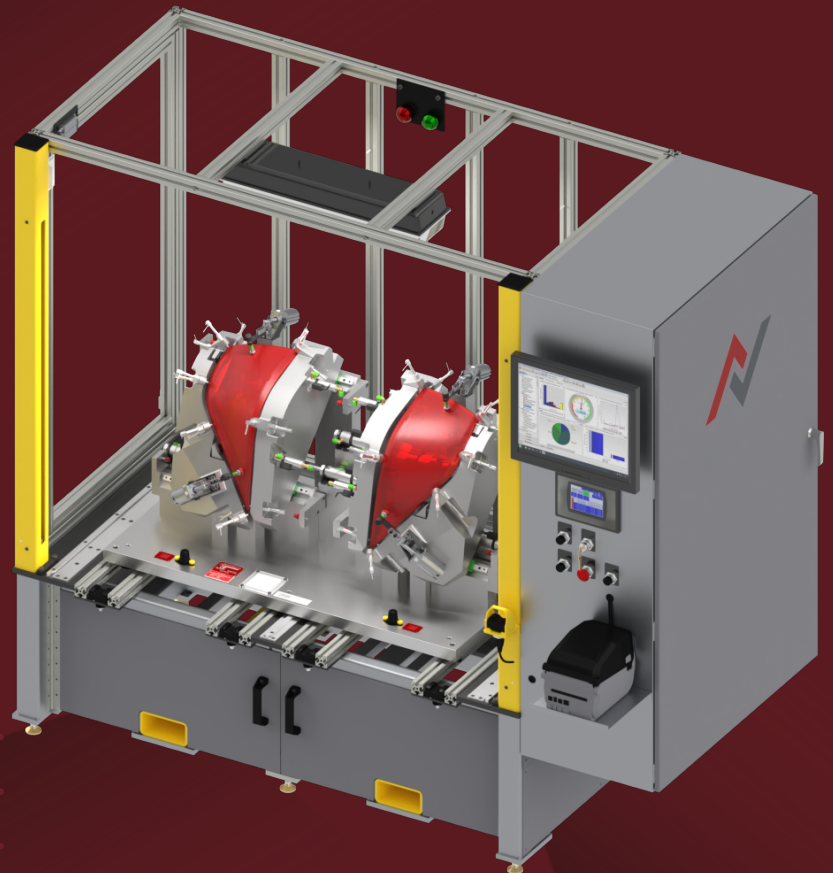
Manpower

Non-Conforming Product

Material Scrap

FlexMeasure Cell / Capital

- Modular machine structure
- Polycarbonate enclosure
- PC with QUICK SPC™ software
- 8" HMI Touchscreen PLC control
- Pressure Decay / Leak Testing
- Part ID systems Barcode/RFID
- Tool-less changeover
- Light curtains
- Overhead LED lighting
- Main panel, PLC, power supply
- Master part storage
- HD leveling castors for mobility



FlexMeasure Fixtures / Tooling

- Soft-touch precision digital probes
- Automated part grip and clamp
- Meets all OEM dimensional fixture standards
- (3) Tooling Balls for CMM alignment
- Storage / changeover carts included
- ISO/17025 Dimensional certification



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