

INSTRUMENT PANEL VISION INSPECTION

SUCCESS STORY

FLEXIBLE DESIGN ADAPTS TO MULTIPLE INSPECTION VIEWS ON MULTIPLE PART TYPES

SYSTEMATIX is the automation partner who understands your business. With decades of experience engineering and integrating automation systems for automotive parts manufacturers, we have delivered hundreds of fully and semi-automated assembly, test and inspection systems.

DEDICATED VISION INSPECTION SYSTEM

A SYSTEMATIX customer challenged our engineers to develop a system capable of inspecting multiple features on several types of instrument panels.

The engineering challenge included:

- Large parts with complex geometry
- 500+ inspection points over 5 part types
- Vertical mounted cameras to prevent dirt buildup on lenses
- Tight cycle time
- Part type changeover
- Error proofed manual operation

SOLID ENGINEERING

The mechanical, controls and vision engineers all made innovative contributions to the final design:

- Part loaded into fixture mounted on rotary servo driven axis
- Array of cameras, lights and optics to optimally capture every feature in a single inspection system
- Part rotation coordinated with complex inspection commands
- Automatic system check for error proofing
- Quick changeover of varying part lengths in fixture



SATISFIED REPEAT CUSTOMER

The final product exceeded customer expectations and SYSTEMATIX has built several repeat systems.



Send us your RFQ or product samples and our experts can recommend a solution that will work for you.

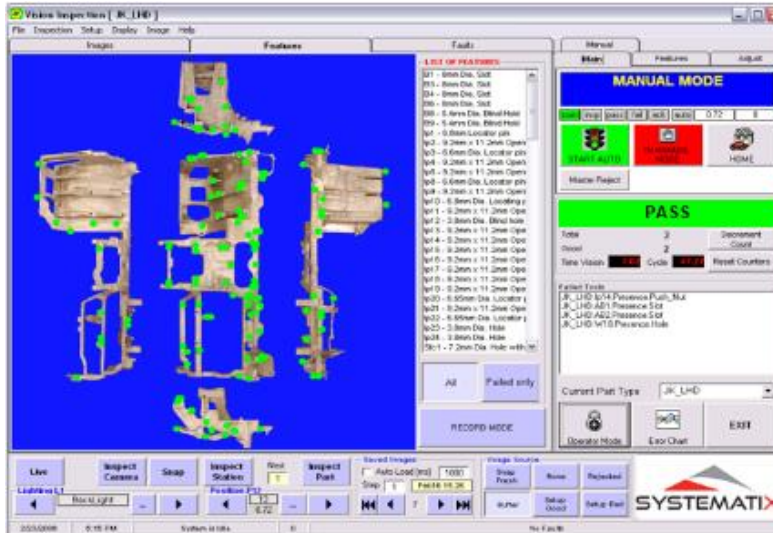
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SUCCESS STORY

THE SYSTEMATIX ADVANTAGE



Our highly capable vision programmers can configure systems that run at production rate while delivering reliable and accurate results.

We are experienced at integrating industry-leading vision hardware and software products and also offer our own MAVIX vision software.



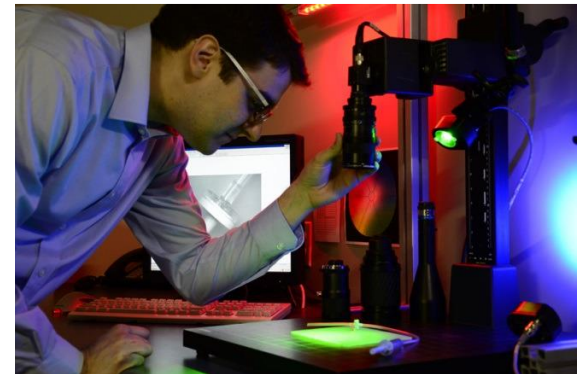
As an extension of your quality management program SYSTEMATIX has expertise in vision inspection applications that include:

- Robot vision guidance
- Laser line scan
- Telecentric lenses
- Collimated lighting
- Control system integration
- Material handling and conveyance
- Robust fixturing
- Data collection
- Process monitoring
- Part track and trace

WE THRIVE ON CHALLENGES!

We have a well-equipped vision lab that enables our vision programmers to help you in the pre-automation phase with proof-of-principle studies and prototyping.

SYSTEMATIX will help you mitigate risk by meeting the quality demands of your automotive customers.



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