Light Guide™ Systems

Augmented Reality Work Instructions

Light The Way to Industry 4.0

Our patented Light Guide Systems™ combines the best of human intelligence with machine capability to improve quality, productivity and compliance to standard process. Light Guide Systems allows manufacturers to realize the next step change in human performance.

Augmented reality work instructions transform the way operators receive and return information into the digital factory, eliminating secondary input and output tools.

Guide First Time Quality

By guiding the operator through tasks on the part in real time, Light Guide Systems ensures that work is performed the right way, the first time, every time. Visual prompts, photos, videos, CAD and text are all available when and where the work is performed.

By confirming each task is correctly completed, Light Guide Systems error-proofs manual operations. It's the perfect poka-yoke to reduce defects, rework and redundant inspection.

Systems With Powerful Analytics

Integrate Light Guide Systems into any factory environment, and link a wide variety of plant floor tools and systems with manual work.

While managing manual process, Light Guide Systems generates powerful data analytics about process performance, enabling more focused process improvement and quality management activities.

Eliminate errors with the World's Premier Visual Guidance Platform

Seeing is believing. Watch our system in action at www.lightguidesys.com.

v3.0

OPS Solutions
48443 Alpha Drive, Suite 175
Wixom, Michigan 48393

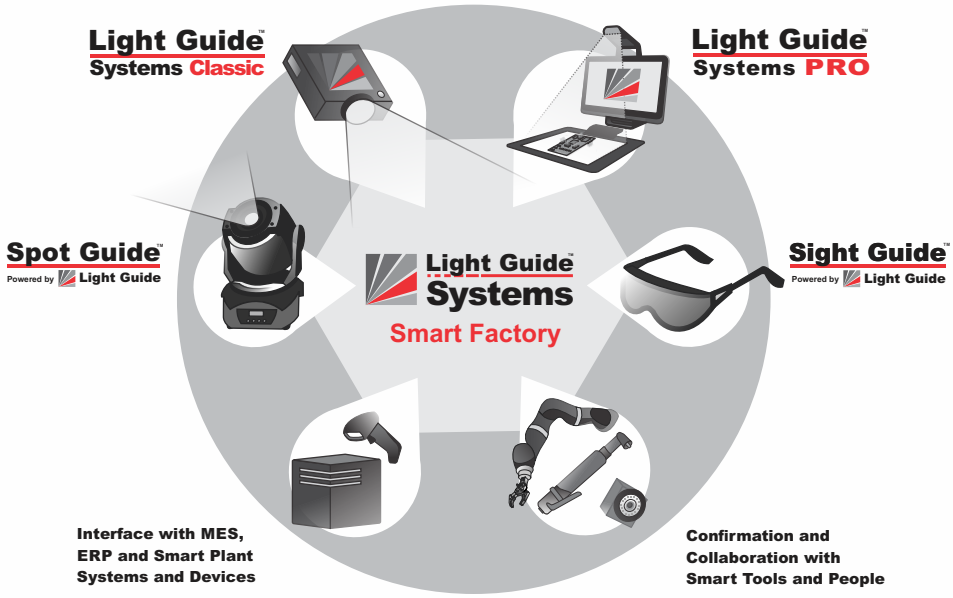
Contact us today for a demonstration

+1.248.374.8000 **www.lightguidesys.com**

Light Guide™ Systems

The Right Information In the Right Place At the Right Time

Practical AR Sytems for the Smart Digital Factory



Mistake Proof

By programming step-by-step instructions and projecting them onto the work surface, our patented system directs the operator through every critical task in the manual process. Information is provided in an intuitive and non-intrusive way, assisting operators where needed and allowing flexibility where appropriate.

Collect and measure real-time data, then compare it against standards and goals. Monitor and archive cycle time and other critical build data for full traceability. Verify task completion at every stage. Identify bottlenecks and implement improvements. Control the efficiency and accuracy of workflow.

Augment the Process

By monitoring operator movements within the work cell, Light Guide Systems proprietary Observatory transforms manual workstations into interactive augmented environments. Operators can interact with digital tools immediately in the work cell to confirm task completion, verify correct parts picked, log defects, select variants and more, all without breaking from their regular workflow.

Verify Quality in Station

Integrate Light Guide Systems with industrial tools such as machine vision cameras or torque tools to fully error proof a process. Tools can verify a correct build in station and provide customized recovery instructions if an error is discovered, eliminating costly downstream inspections and rework.

Industries

- Aerospace
- Agriculture
- Automotive
- Food Processing
- Heavy Equipment
- Medical
- Oil & Gas

Light Guide Systems delivers targeted functionality to meet industry demands with precision and consistency. The system's patented augmented reality software technology provides the visualization, traceability, flexibility, and quality control required to solve a growing variety of today's industry challenges.

Applications

- Assembly
- Inspection
- Part Kitting
- Sequencing
- Training

Light Guide Systems is designed specifically to maximize quality and productivity for nearly any manual process. The system can be seamlessly integrated directly onto critical workstations within the assembly line or installed in non-assembly areas such as training stations and part kitting/sequencing cells.

Simple to Operate

Work instructions are authored using our intuitive graphical user interface. No special technical skills are required and plant staff can author and maintain work instructions as needed. Standard instructions can be modified to accommodate quality alerts or on-the-fly changes to ensure that operators always have the most up-to-date information. If required, instructions can be linked between stations or auto-generated for scale, just call our team to assist with this functionality.

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