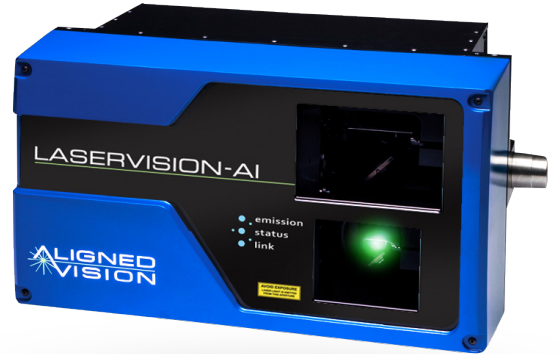


SOLUTION

# LASERVISION-AI

## AI-powered layup guidance and real-time inspection.

LaserVision-AI combines intelligent laser projection with real-time AI inspection to ensure every ply is placed correctly, defects are caught immediately, and composite layup becomes faster, simpler, and error free. It protects you from wasted parts, lost build time, and costly do-overs.



The only AI-powered, laser-guided system that verifies any visible attribute across large areas (6–25 m<sup>2</sup>).

The only system that pinpoints defects with laser precision for faster, more accurate identification.

### SIMPLIFY OPERATOR TASKS

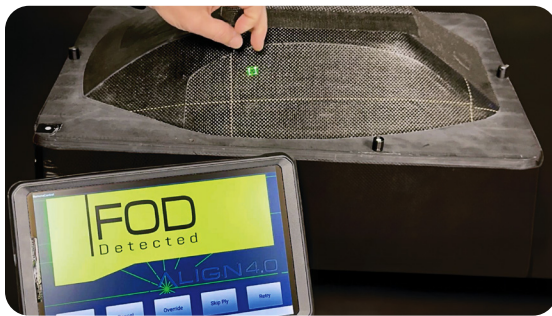
- + Projects laser outlines for each ply and feature.
- + Fast, automatic inspections minimize idle and wait times.
- + Clear guidance reduces mistakes and ensures correct placement order.

### ENSURE FIRST-PASS QUALITY

- + Verifies ply shape, alignment, material type, and sequence to CAD.
- + Eliminates human errors in complex layups.

### AUTOMATE YOUR LAYUP REPORTS

- + Saves pass/fail data and inspection images automatically.
- + Creates a complete digital record for every part.
- + Simplifies audits and ensures full traceability.



### STOP DEFECTS BEFORE THEY HAPPEN






- + Checks fiber orientation, FOD, and ply location in real time.
- + Laser-guided visual cues for exact ply placement.
- + Verifies each ply before moving on, eliminating wasted material.

### DIGITAL TWIN & BUILT-IN TRACEABILITY

- + Links as-designed, as-planned, and as-built layup data for each part.
- + Auto-assigns work orders and logs production steps in real time.
- + Enables full process traceability, not just reports.



## COMPARE INSPECTION OPTIONS AND CAPABILITIES

			OTHER VENDORS		
					
		LASERVISION-AI	HUMAN	CAMERA/ARRAY	PTZ
IMAGING	+ Large-Field Resolution	Gigapixels	Qualitative	Lower	Lower
	+ Field Size	Up to 15 x 15 m	Limited by Human Access	Inverse of Resolution	Inverse of Resolution
	+ Image Quality	High	Vision Dependent	Lower	Lower
	+ Calibration to Model	Fully Referenced to Model	Minimal	Not Standard	Not Standard
	+ Calibration to WIP	Fully Automatic	Minimal	Not Standard	Not Standard
DATA SYSTEM	+ Control Data Interface	Yes, since 2017	No	Yes	Not Standard
	+ Enterprise Data Interface	Yes	No	Not Standard	Not Standard
	+ FAA/DOD Certification Documentation	Yes, since 2017	No	No	No
IMPLEMENTATION	+ Proven Aerospace Applications	Yes, since 2017	Legacy	No	No
	+ Documented Six Sigma Reliability	Yes	No	No	No
	+ Turnkey Solution	Yes	No	Partial	Partial
	+ Integration Ready	Yes	No	Not Standard	Not Standard
	+ Pinpoint Flaws on 3D WIP	Yes	Subjective	Not Standard	Not Standard