

# LASERVISION-AI

## PROJECTION & AUTOMATIC INSPECTION SYSTEM

## OPTIMIZE INSPECTION SPEED AND QUALITY

### PRODUCT DESCRIPTION

LASERVISION-AI is an open-platform, in-process automatic inspection system featuring a giant field of view, AI-enabled image analysis, and real-time laser feedback. It captures calibrated high-resolution images, then analyzes those images to verify — or flag for correction — nearly any visible surface feature or anomaly. Data and images automatically populate an as-built Digital Twin of each inspected part.



### FEATURES AND BENEFITS

#### High-speed large-field automatic inspection

- Minimizes operator idle time, performing inspections as soon as they are called for
- Eliminates inspector wait time, conducting inspections in seconds with no operator intervention
- Verifies attributes in real time, enabling immediate correction of non-conformances

#### High-performance analysis algorithms developed via artificial intelligence

- Application-specific analysis developed in days
- Inspection accuracy approaches 100%

#### Automatically populated electronic inspection documentation

- Provides full traceability of every surface — both images and data — plus a record of non-conformances and corrective actions
- Quantifies uncertainties and enables tighter allowables and less overdesign

### SPECIFICATIONS

Size	22" x 11.5" x 11" / 56 x 29.5 x 28 cm
Weight	54.5 lb / 25 kg
Mounting Yoke	13 lb / 6 kg
Projection Angle	60° (+/- 30°)
Projection Range	Standard: 3' – 50' / 1m – 15m
Accuracy	+/- 0.010" / 0.25 mm; Standard field: 10' <sup>2</sup> (3 m <sup>2</sup> ); 10' (3 m) from projector (exceeds Boeing D6-55902 requirements)
Beam Color	Green (532 nm)
Laser Line Width	0.020" - 0.075" / 0.5-2 mm
Laser Class	CDRH Class II / IEC Class 2
Communication	Ethernet (RJ45)
Power Requirements	100-240 VAC 50 / 60 Hz
Set-Up Requirements (Interchangeability)	Plug and Play (no programming required)
Tool Location Requirements	None (can be placed or moved into any orientation)
Advance Focus	Adjustable from computer
Warranty	2 years
Customer Support	Unlimited free phone and email support for the life of the projector