LASERVISION

PROJECTION & AUTOMATIC INSPECTION SYSTEM

OPTIMIZE INSPECTION SPEED AND QUALITY

PRODUCT DESCRIPTION

Replacing manual inspection, LASERVISION captures calibrated high-resolution images of the ply surface and then analyzes those images to verify — or flag for correction — fiber orientation, material type, shear, absence of FOD, and other critical quality attributes. LASERVISION provides the only large-field automatic inspection in the composites industry and includes our best-in-class laser projection system.

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 ply — 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 12" x 12"/ 56 x 30 x 30 cm
Weight	52 lb / 23.5 kg
Mounting Yoke	7.5 lb / 3.5 kg
Projection Angle	60° (+/-30°)
Projection Range	Standard: 3' – 50' / 1 m – 15 m
Accuracy	0.015" (0.38 mm); Standard field: 10'² (9 m²); 10' (3 m) from projector Meets 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 in any orientation)
Advance Focus	Adjustable from computer
Warranty	2 years
Customer Support	Unlimited free phone and email support for the life of the projector