LASERGUIDE SDK

SOFTWARE DEVELOPMENT KIT

SEAMLESS INTEGRATION WITH WORK CELL CONTROLLER AND USER INTERFACE

PRODUCT DESCRIPTION

The LASERGUIDE software development kit (SDK) enables integration of any LASERGUIDE or LASERVISION projector with any machine controller or software HMI. This includes automated fabrication systems, such as Automated Fiber Placement (AFP) and Automated Tape Laying (ATL). SDK has also been used to integrate Aligned Vision systems with metrology software and semi-automated work cells.

With LASERGUIDE or LASERVISION integrated into a manufacturing cell, manual tasks are simplified by directly guiding the operator (eliminating location referencing in complex environments) and delivering instructions simply and efficiently. A LASERVISION integrated via SDK adds the ability to monitor both automated and manual processes in near-real time, and to stop processes for more detailed checks, as well as remediation at the earliest, least expensive time for correction.

FEATURES AND BENEFITS

Driver-level integration

- Reduces hardware requirements by eliminating separate PC controller for the projectors
- Maintains a common coordinate system automatically
- Eliminates set-up procedures for each inspection
- Provides simpler IT maintenance than with a separate laser/inspection software application

Single user interface

- Presents operator with only what they need, when and where they need it
- Instantly displays any tow, course, boundary, lap or gap
- Instantly displays areas that require rework
- Improves team efficiency

SPECIFICATIONS

Controller	No separate controller needed for projectors
Operating System	Windows
Programming	API, DLL, Manual
Projectors supported	8 per system
Simultaneous jobs supported	8
Simultaneous active data files	12
Customer Support	Unlimited free phone and email support