

VIRTEK IRIS^{3D}



Engineering
Simplicity.



Multi-tasking functionality with new thin-client experience.

Laser templating and positioning systems accurately project a virtual laser template onto molds and parts to guide operators through the process of part fabrication whether it be ply layup, paint masking, assembly, or part placement.

Virtek Iris™ significantly advances laser-guided assembly with new integrated vision technology, innovative “FlashAlign” functionality, superior high visibility laser-line and new multi-tasking capabilities, and thin-client experience boasts a unique offering.

Initial alignment is 20X faster and re-alignments are reduced from minutes to seconds – saving time, increasing workflow productivity, all while retaining quality and accuracy.

Enjoy continuous releases annually!

Virtek Iris™ the platform of the future, with modular software that will adapt and scale with your requirements.

Introducing VPS

The New Revolutionary Vision Positioning System (VPS) virtually eliminates setup and downtime.

New features:

FlashAlign

FA ⚡

Multi-tasking

MT ☁

High Visibility

HV 👁



Three dimensional vision positioning system accurately projects virtual laser templates onto molds and parts to guide operators with ease through carbon fiber placement.

Iris 3D is certified for use with Virtek's economical LPS-10 model.

Layup

Final Assembly

APPLICATIONS

Paint Masking

Component Placement

Features

FlashAlign™

Multi-Tasking

Production Reporting Database

Auto Focus & High Visibility

Simplified Software Interface

Projected Cross Hair

Field Replaceable Components

Projected Menus

Focus of Attention

Benefits

Instant alignment of the part or tool virtually eliminating set up time.

Multi-Tasking enables one projector to serve multiple workstations so ply layup on multiple parts can occur in parallel. The new thin client experience allows you to use one Iris 3D license to connect several PCs or tablets to serve as clients.

Easily access any Iris 3D system to retrieve instantaneous feedback on production status or retrieve historical data detailing the completion of each step in any production work-flow executed in the past.

Auto-Focus fiber connected laser source with optional long range optics. Provides operators with a brighter, safe laser delivering superior visibility even in the brightest work environments.

Reduced training & fewer operator errors, simplified operation and administration.

Automatically project crosshairs to indicate drill locations, punch locations, assembly positions. Crosshairs work on both flat and curved surfaces.

Flexibility of onsite repair of multiple components within the system such as laser, and cooling fan helping to reduce cost of ownership.

Work seamlessly from anywhere with remote capabilities, using the projected menus on the tool or part, or using the wireless remote controller at a 45m range.

Reduces projection flicker on-demand by limiting the projection to just the area of interest for increased visibility.

WEIGHS
20
LBS.
(9kg)



* Tablet Compatible

Technical

Accuracy

0.008"/0.20 mm (RMS) or +/-0.015"/0.38 mm (Max Error) at a distance of 15'/4.6 m within an area 15' X 15'/4.6 X 4.6 m

0.016"/0.41 mm (RMS) or +/-0.030"/0.76 mm (Max Error) at a distance of 30'/9.1 m within an area 30' X 30'/9.1 X 9.1 m

Laser-line width

0.5mm FWHM @ 13.1' (4m)

Projection Distance

Standard Range: 6' - 20' / 2m - 6m
Extended Range:** 6' - 40' / 2m - 12m
Long Range: 6'-60' / 2m - 18m

Field of View (FOV)

Options available: 60°, 70° or 80°

Laser Class VPS1/LPS-10

International: Class 2 or Class 3R meeting the IEC/EN60825-1:2014 standard

VPS1 Power Requirements

115-230VAC or 50/60 Hz

Physical

Length: 18" (460mm) | Width: 8.5" (220mm) | Height: 6.25" (160mm) | Weight: 20lbs (9kg)

Environment

IP54 available **

Operating Temperature: 0°C to 45°C, 32° to 113°F

Non-Operating Temperature: -20°C to 65°C, -4°F to 149°F

Humidity: <80% non-condensing

Customer Support

Receive Free Phone/Email Support for the lifetimes of your product.

*Optional additional years for warranty can be purchased separately. Plus flexible Service Agreements available at any time.

** Available with Laser Projection (LPS10) Models only

Unsurpassed Customer Support



Virtek's highly-skilled and experienced service technicians install and calibrate each projector and train users on site. Customer support centers ensure you achieve maximum productivity of your laser projector.



Virtek Vision International

Local sales and service support available globally.

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