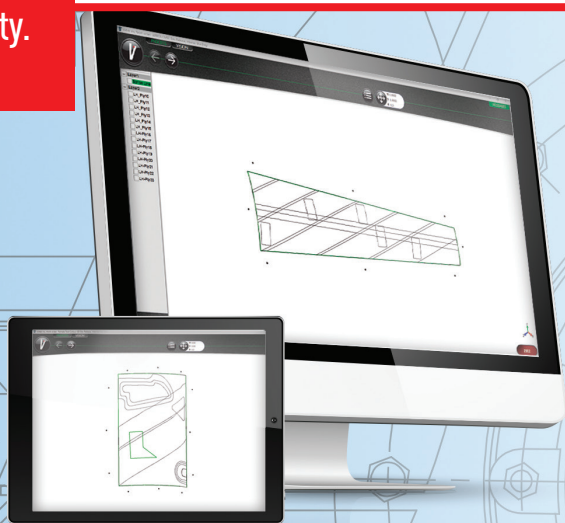# ViRTEK IRIS 3D

Engineering Simplicity.

Mutli-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 willl adapt and scale with your requirements.

Introducing VPS

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

New features:

FlashAlign	Multi-tasking	High Visibility
FA ⚡	MT ☁	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 and LPS-7H models.

APPLICATIONS

Layup

Final Assembly

Paint Masking

Component Placement

Features	Benefits
FlashAlign™	Instant alignment of the part or tool virtually eliminating set up time.
Multi-Tasking	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.
Production Reporting Database	Easily access any Iris 3D system to retrieve instantaneous feedback on production status or retrieve historical data dealing tthe completion of each step in any production work-flow executed in the past.
Auto Focus & High Visibility	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.
Simplified Software Interface	Reduced training & fewer operator errors, simplified operation and administration.
Projected Cross Hair	Automatically project crosshairs to indicate drill locations, punch locations, assembly positions. Crosshairs work on both flat and curved surfaces.
Field Replaceable Components	Flexibility of onsite repair of multiple components within the system such as laser, and cooling fan helping to reduce cost of ownership.
Projected Menus	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.
Focus of Attention	Reduces projection flicker on-demand by limiting the projection to just the area of interest for increased visibility.

WEIGHS
20
LBS.
(9kg)

8.5" (220mm)
6.25" (160mm)
18" (460mm)

⚠ CAUTION
LASER
3R

* Tablet Compatible

Technical

Accuracy	Laser-line width – available upon request
	Standard Range: ± 0.015" (0.38mm) or better at a distance of 15' over 15' x 15' (4.6m x 4.6m) area
	Long Range: ± 0.015" (0.38mm) or better at a distance of 15' over 15' x 15' (4.6m x 4.6m) area ± 0.03" (0.76mm) at a distance of 30' over 30 ' x 30 ' (9.1 m x 9.1 m) area
Projection Distance	**Standard Range:** 6'-20' / 2m - 6m **Long Range:** 6'-50' / 2m - 15m
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)
System Add-ons	Virtek workstations and stands available upon request
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.

Virtek Vision International

Local sales and service support available globally.

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