

Engineered
Simplicity.

IRIS™ 3D with VISION

NEW



ABOUT IRIS

New Revolutionary Vision Positioning System (VPS). The most intelligent vision technology providing the highest accuracy and reliability you can count on from Virtek. Now with superior laser beam visibility, sharper focus and reduced flicker.

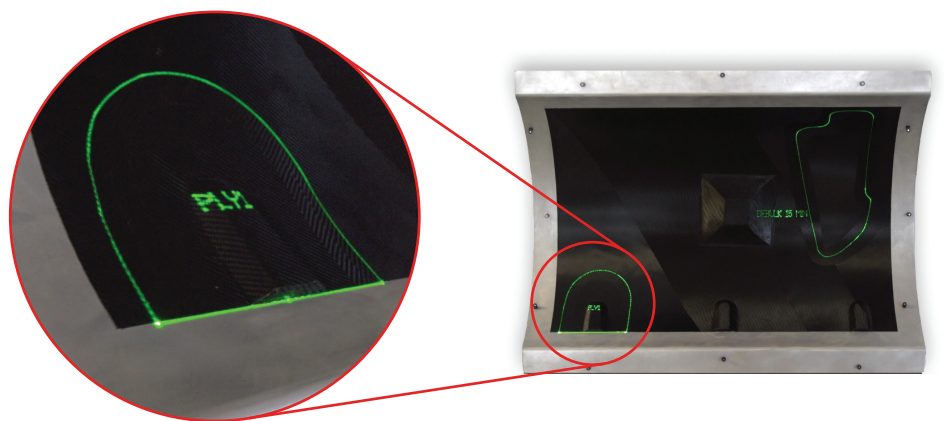
Virtek Vision International
Toll free (in North America):
1.800.684.7835
International
(+1) 519.746.7190
Email: sales@virtek.ca
www.virtek.ca

IRIS™ 3D

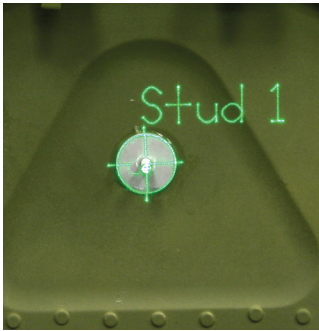
Virtek IRIS significantly advances laser-guided assembly with new Integrated Vision technology, innovative “FlashAlign” functionality and superior upgraded laser-line visibility. Initial alignment is 20X faster and re-alignments are reduced from minutes to seconds – saving time, increasing workflow productivity, all while retaining quality and accuracy.

Benefits Include:

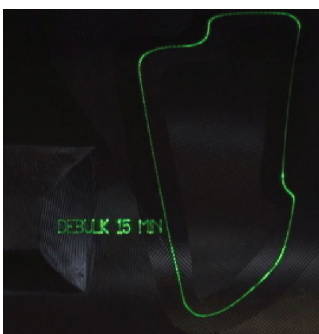
- Eliminates delays with alignment and drift check during set up
- Reduced training & fewer operator errors with simplified user interface
- Reduced cost and time required for maintenance with field replaceable components
- Superior laser beam visibility providing sharper focus and reduced flicker
- Integrated vision system and laser projector all in one unit. Compact, lightweight and portable.



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



Automatically mark the centre of circular features with a cross hair.



Projected Menus – Displays text and icons directly on the work surface.



Remote Capabilities – Fully integrated remote, there's never a need to return to the workstation.

Benefits

FEATURES	BENEFITS
NEW! FlashAlign™	• Eliminates delays with alignment and drift check.
NEW! Simplified Interface	• Reduced training & fewer operator errors, simplified operation and administration.
NEW! Projected Cross Hair	• Automatically project crosshairs to indicate drill locations, punch locations, assembly positions. Crosshairs work on both flat and curved surfaces.
NEW! Microsoft Windows 10 Support	• Certified for use with 64 Bit Windows 7 & 10 Operating Systems
Field Replaceable Components	• Flexibility of onsite repair of multiple components within the system such as laser, galvos, and fan helping to reduce cost of ownership.
Projected Menus	<ul style="list-style-type: none"> • Intuitive visual aids assist the operator through the workflow by displaying text and icons directly on the work surface such as the next part number in the process. • Remote control capabilities from anywhere, at the console, using the remote at a 45m range or directly on the work surface using projected icons.
Focus of Attention	• Reduces projection flicker on-demand by limiting the projection area for increased visibility

Technical

Position Accuracy

Short 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

Field of View (FOV) Depending on model, 60°, 70° or 80°

Laser Green (532nm)

Laser Class International: Class 2M meeting the IEC/EN60825-1:2014 standard for CE certification

Power Requirements 115-230VAC or 50/60 Hz

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

Customer Support One year standard warranty on projector

* Iris 3D also supports with an LPS 7 Model.

**For Technical specifications, please view Vision Positioning System Datasheet.