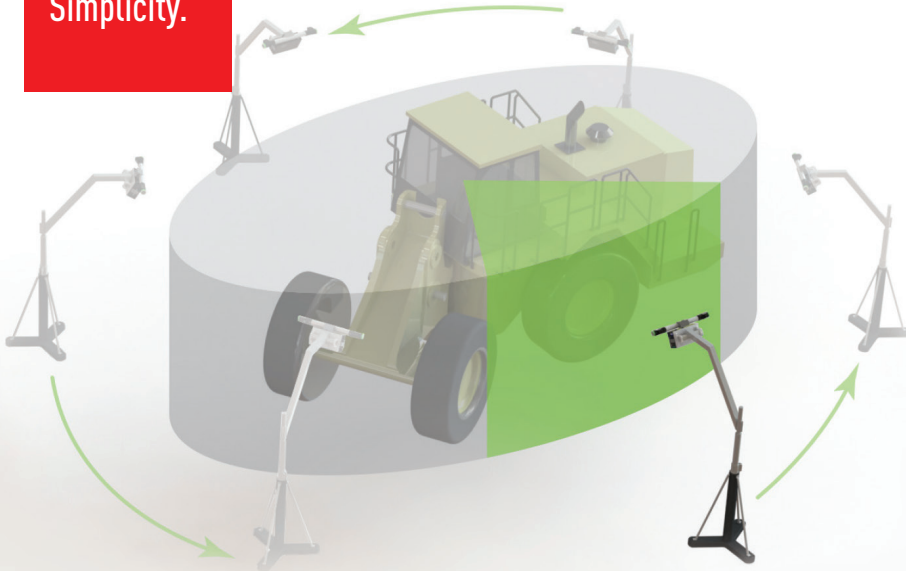


# **VIRTEK IRIS** SPS

Engineering  
Simplicity.



Panoramic Projection – Move the part or the system and instantly project from another viewpoint.

The IRIS™ Spatial Positioning System combines the laser projection technology with 3D vision technology to locate a part in 3D space then quickly locks onto its CAD-specified assembly position. IRIS SPS helps accelerate the assembly process by eliminating manual measuring, marking, templating, and fitting.

## **IRIS SPS functionality offers advanced features**

Capabilities to deliver operator guided assembly using lasers. A simple, intuitive laser projection package anyone on the shop floor can use. Iris SPS is standard functionality that allows even the most complex assemblies to be mastered.

## **Core provides assembly power without complication**

- Build complex parts as easily as simple parts
- Scalable projection platform to adjust to project size
- Use it to aid traditional processes, or manufacture in ways you never could
- Flexible; move it and immediately use it!
- Clean interface guides users to best choices

## **Specialty Modules Available:**



SHIFTING



VERIFICATION



DIGITIZING



VISUALIZATION

**IRIS SPS is certified for use with Virtek's Locator, and LPS-7 configuration or with the new VPS system applications.**

3D-welded stud and bracket placement

Assembly layout and fabrication

## **APPLICATIONS**

Aerospace MRO, upgrades and retrofits

Final and Component Assembly



## **High Visibility Laser**

Provides operators with a brighter, safer laser delivering superior visibility even in the brightest work environments.

## Features

## Benefits

### FlashAlign

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

### Integrated Vision System

Instantly adjusts projection if the part is moved while maintaining accuracy.

### Multi-Capture Measurement

Multiple measurements are captured to optimize accuracy to counter the effects of lighting changes such as welding flashes.

### Single & Multi-Device Systems

Ability to use two spatial locators and laser projectors to cover large parts easily.

### Panoramic Projection

Ability to project from any point of view, on to any surface 360 degrees around the part. Simply point and project instantly, projections are bound together into a single coordinate system.

### Field Replaceable

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

### Projected Menus

Projected menus are intuitive visual aids that 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. Work seamlessly from anywhere with remote capabilities, using the projected menus on the tool or part.

### Focus of Attention

Reduces projection flicker on-demand by limiting the projection area for increased visibility.

WEIGHS  
**20  
LBS.**  
(9kg)



\* Tablet Compatible

## Technical

## Vision Positioning System (VPS) with Iris SPS

### Accuracy

+ -1mm throughout field of view

### Projection Distance

**VPS:** < 3.5m / 12ft  
**Locator:** < 6m / 20ft

### Field of View

60 degrees

### Laser

Green

### Projection Distance

**VPS:** Class 2 or Class 3R (IEC/EN60825-1 2014)  
**LPS-7H:** Class 3R (IEC/EN60825-1 2007)

### Power Requirements

115-230 VAC, 50/60 Hz

### Dimensions

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

### Weight

20 lbs / 9 kg

# VIRTEK

AMETEK

virtekvision.com

## Unsurpassed Customer Support



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



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