

Engineering  
Simplicity.

# VIRTEK LTG



## HIGH VISIBILITY LASER PROJECTOR LPS-10

Operators will reap the benefits from a brighter, safe laser, that delivers increased visibility even in the brightest work environments.

### Laser Template Generator for layout and assembly manufacturing

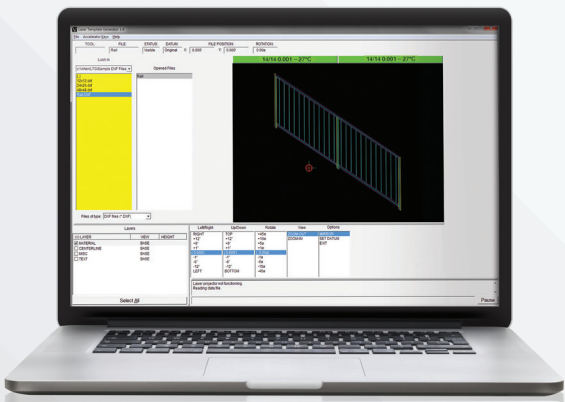
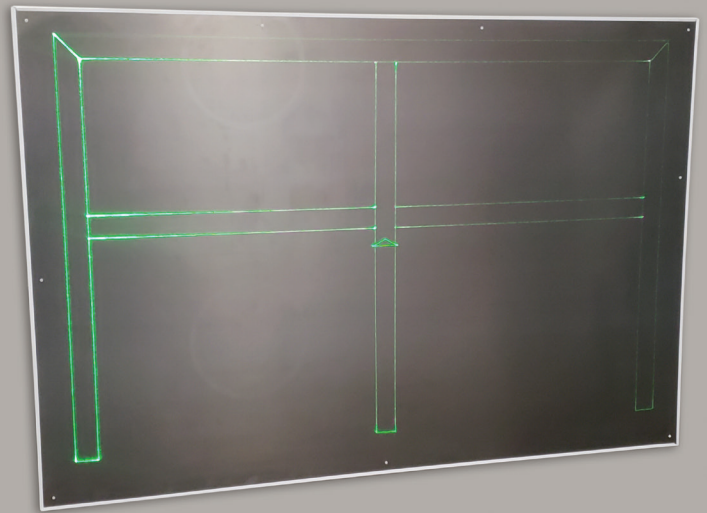
Virtek's Laser Template Generator™ (LTG) system helps eliminate the need to pull a tape measure and reduce the layout time by 70%. With Virtek LTG™, customers are maximizing profits and efficiency using the advanced technology of Virtek. The Virtek LTG system projects a laser outline of your CAD file to scale, showing operators the exact location of all important features in your assembly.

## WITH GREATER LASER-LINE VISIBILITY FOR INDUSTRIAL MARKET

Virtek LTG makes the layout process of handrail, stair stringers, and steel truss so easy that even less experienced workers can become productive immediately.

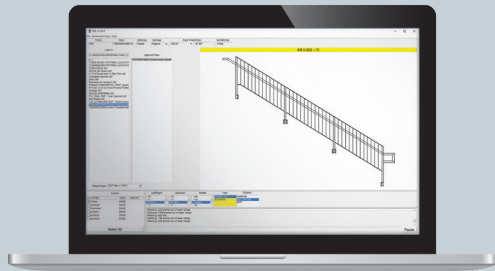
The system projects a laser template from the latest CAD file to be built, onto the work surface, highlighting the position and shape of all important parts. There's no need to refer to blueprints or the use of a measuring tape, so even the most complicated designs can be built in minutes.

The LTG interface maximizes your existing design software investment. The software streamlines assembly by guiding workers through the layout process.

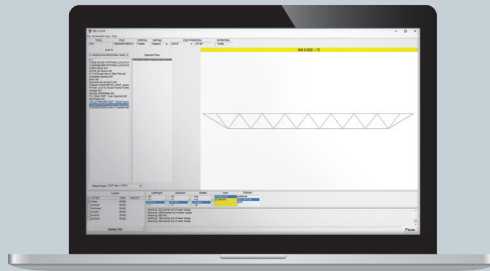


### Higher throughput with Virtek LTG:

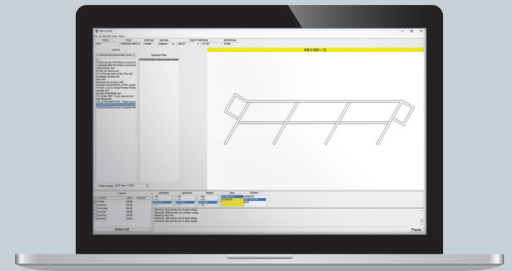
- Reduces layout and changeover time by up to 70%, and increases productivity by up to 25%.
- Works great for one-of-a-kind parts as the image will be projected instantly.
- Increased manufacturing capacity and efficiency, and lower per unit costs.
- Training is easy and requires less-skilled workforce.
- Instantly adjust template designs or revision changes directly on the shop floor.
- Designed to require very little customer maintenance.



The LTG software helps streamline the process in seconds.



Easy-to-use software allows workers to select jobs and layers to project on the table



Virtek LTG software is compatible with all leading CAD software programs.

## Benefits of LTG

- Reduce layout time by up to 70%, which will provide up to 25% overall throughput!
- 100% validation, to ensure as designed is as built.
- Virtek has over 15,000 projectors in use today in over 600 manufacturing facilities.
- Virtually eliminate operator errors that result in rework.
- Ensure accuracy and quality with guided placement of webs for steel truss and joists.
- Eliminate the need for measuring, squaring, and stringing.
- Guided assembly makes a new employee instantly productive by providing comprehensive training while building.
- Instantly identify incorrectly cut or picked components.

## System Specifications\*

### Position Accuracy

1/16" over a 20' X 20' area, covers tables of any length  
(+/- 1.5mm over 6m x 6m area)

### Laser Class (North America)

Class 3R per 21CFR 1040 (CDRH) Laser Notice 50 meeting the IEC/EN60825-1:2014 standard

### Environment

IP54 Available  
Operating Temperature: 0° to 45°C, 32° to 113°F  
Humidity: <80% non-condensing

### Power requirements

115-230VAC or 50/60 Hz

### Physical Dimensions

Laser Projection System (LPS10)  
Length: 18" (460mm) Width: 8.5" (220mm)

### Certifications

UL, CSA & CE

### Customer Support

One-year standard warranty. Free technical phone and email support. Plus, service on-demand options are available.

# VIRTEK

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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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