ViRTEK

LASER TEMPLATE GENERATOR
FOR WALL PANELS & FLOOR DECKS

Laser Template Generator (LTG)

WALL PANEL
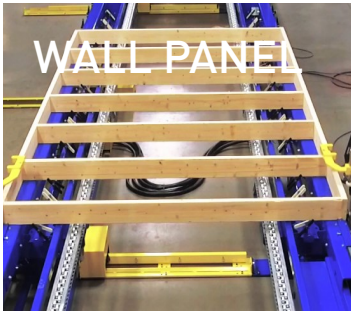
FLOOR DECK PANEL

**Set up and changeover time can be reduced by up to 70%**

VIRTEK'S LASER TEMPLATE GENERATOR (LTG) SYSTEM HAS REVOLUTIONIZED THE PREFABRICATED INDUSTRY SECTORS WALL PANEL AND FLOOR DECK MANUFACTURING. WITH VIRTEK LTG™, CUSTOMERS ARE MAXIMIZING PROFITS AND EFFICIENCY USING THE ADVANCED TECHNOLOGY OF VIRTEK. THE VIRTEK LTG SYSTEM PROJECTS YOUR DRAWING TO SCALE, SHOWING OPERATORS THE EXACT LOCATION OF ALL IMPORTANT FEATURES IN A WALL PANEL OR FLOOR DECK.

Virtek LTG makes the assembly of walls and floor so easy that even less experienced workers can become productive immediately. The system projects a laser template (your drawing) 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 the assembly of panels, and of panels and floors by guiding by guiding workers through the assembly process.

Benefits
The Virtek LTG system not only reduces your production time, but also saves you money. The system enables you to:

- Reduce set-up time by up to 70%, which will provide up to 25% and overall throughput!
- Guided Assembly makes new employee's instantly productive by providing comprehensive training while building
- 100% validation, to ensure as designed is as built
- Virtek has over 15,000 projectors in use today in over 600 manufacturing facilities
- Ensure accuracy and quality with guided placement of chords, webs, and plates
- Provides total control, gaining back minutes per truss and hours of additional production per week
- Eliminate the need for measuring, squaring, and stringing
- Instantly identify incorrectly cut or picked components.
- Virtually eliminate operator errors that result in rework.
- Recall previous designs to rebuild damaged panels.
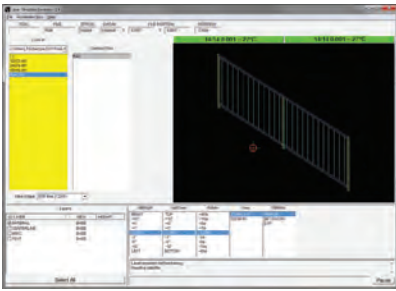
The LTG software helps streamline the assembly process in minutes.
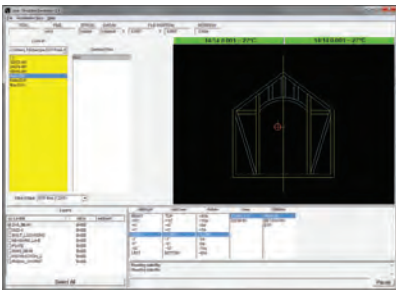
Easy to use software allows workers to select wall panel and layers to project on the table.
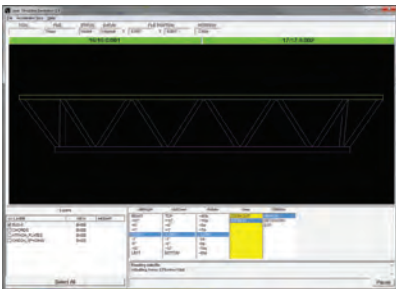
Virtek LTG software is compatible with all leading CAD software programs.

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Higher Throughput

The Virtek LTG:

- Reduces set up and changeover time by up to 70%, and increases productivity by up to 25%.

- Easy to produce "one-of-a-kind" as it multiples quickly and easily.

- Increased manufacturing capacity and efficiency, and lower per unit costs.

- Higher throughput and improved quality.

- Instantly adjust template designs or revision changes directly on the shop floor.

- Designed to require very little customer maintenance.

System Specifications

Position Accuracy	+/- 1.5mm over 6m x 6m area (+/- 1/16" over 20' x 20' area)
Laser Line Width	0.8mm at 4.5m (0.030" at 15') or 0.035" to 0.045"
Laser Device & Output	Visible laser diode device with less than 5mW maximum output
Laser Class	Class IIIA, meeting the 21CFR 1040 standard Class 3R, meeting the IEC 60825-1:2007 for CE certification in Europe
Projection Systems	Multiple fixed head units available (32Bit parallel projector only)
Customer Support	Installation, training, documentation or One-year, all-inclusive, warranty on hardware

Other Information

Options	Computer enclosure (NEMA compliant) Uninterruptible Power Supply (UPS)
Power requirements	120V 60Hz or 230V 50Hz

One-year all-inclusive warranty on hardware and software for CDRH certification in North America certification in Europe per system

Agency Approvals	UL/CSA and CE and software. Extended support options available.

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