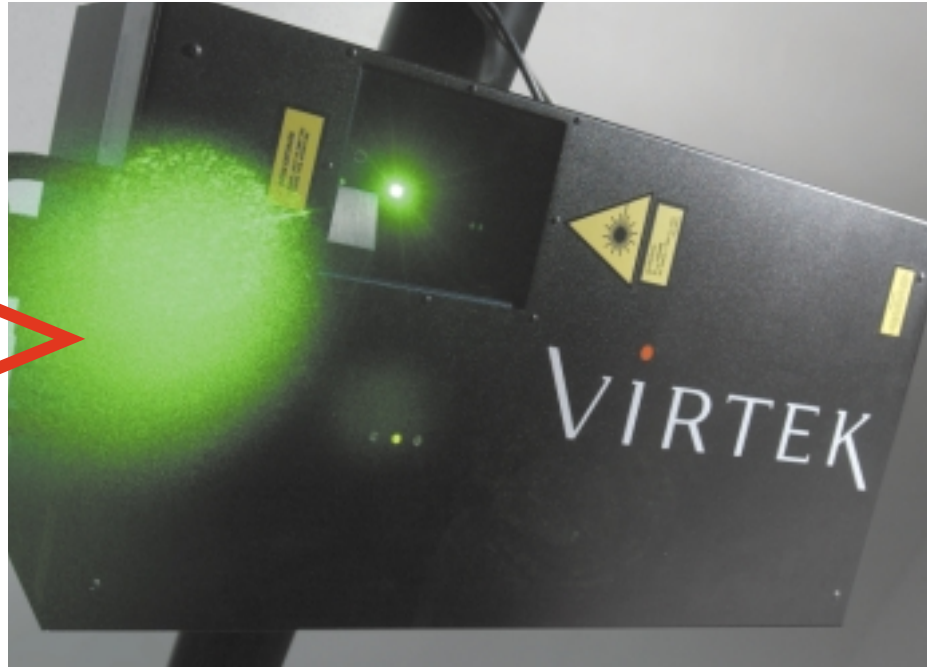


Virtek • LPS7 Laser Projectors

PRODUCTIVITY TOOLS FOR PREFABRICATED CONSTRUCTION TEMPLATING

LPS7 HIGHLIGHTS

- New, faster scanning speeds (up to 2X faster)
- Smaller, more durable design with sealed housing
- Green or Red:
Choose Diode Pumped Solid State (DPSS) green wavelength (field replaceable module) or red wavelength diode laser
- Optimized thermal management
- Mill spec power supply with corrected power factor



ADVANCED SCANNING TECHNOLOGY WITH FASTER SCANNING AND UNBEATABLE RELIABILITY

Virtek LPS7 laser projectors help you complete jobs faster, better, with scanning speeds up to twice that of earlier technology. With LPS7 you will complete more jobs in less time. These projectors provide higher quality projection patterns thanks to advanced laser and optical components.

LPS7 projectors have unsurpassed thermal stability due to a centralized cooling channel. The sealed, durable enclosure allows LPS7 projectors to operate in tough work environments with less down-time.

Virtek professionals can help you choose the shop floor-ready configuration that best suits your workplace needs.



▲ All LPS7 projectors are built to exacting standards and tested prior to delivery.



▲ Virtek's highly skilled and experienced workforce assemble and calibrate each LPS7 to be shop-floor ready.

SMALLER. FASTER. COOLER. MORE RELIABLE.

- Higher refresh rate
- Improved beam-steering performance using moving magnet galvanometer and optical position detector
- Optimized thermal design
- Centralized cooling channel provides improved thermal stability
- Improved power filtering
- Directly modulated Diode Pumped Solid State (DPSS) green laser version, operating in the visible spectrum at 532 nm, or red
- Field replaceable green laser module
- Standard Parallel Port communications
- On-board diagnostic indicators



▲ Diode Pumped Solid State (DPSS) green wavelength (field replaceable module) diode laser.

SYSTEM SPECIFICATIONS

Position Accuracy	Short-range: $\pm 0.020''$ (.38mm) at a distance of 15' over 15' x 15' (4.5m x 4.5m) area
Beam Spot Size	Beam diameter at focus distance of 16ft: 1.7mm ($1/e^2$) or 1mm FWHM Depth of focus at focus distance of 16ft: ± 3.5 ft Beam diameter at focus distance of 25ft: 2.6mm ($1/e^2$) or 1.5mm FWHM Depth of focus at focus distance of 25ft: ± 8.5 ft
Field of View	View Angle: $\pm 40^\circ$ Coverage Area: 20ft x 20ft (7.6m x 7.6m) @ 16ft (4.8m)
Laser Output	Maximum Power CW CDRH Mode: 4.5mW Stationary Beam Power: 0.9mW
Laser	Red: 625 - 640 nm laser diode (LPS-7R40) Green: 532 nm diode-pumped solid state laser (LPS-7H54) Field replaceable
Laser Class	North America: Class IIIa per 21CFR 1040 (CDRH) International: Class 2M or 3R (model dependent) meeting the IEC/EN 60825-1:2001 standard for CE certification
Power Requirements	115-240 VAC 50/60 Hz
Dimensions	Length: 21.5 inches (54.61 cm) Width: 11.5 inches (29.21 cm) Height: 6.95 inches (17.65 cm)
Customer Support	One-year standard warranty on projector On-site system installation, commissioning and training



785 Bridge Street, Waterloo, Ontario
Canada N2V 2K1

Toll Free: 1.800.684.7835

Tel: (+1) 519.746.7190

Fax: (+1) 519.746.3383

www.virtek.ca

*Specifications subject to change due to continual improvements.