LaserSharp® VS Series

LasX The Laser Experts

PRODUCTION CLASS LASER PROCESSING INTEGRATION

In-line laser processing system integrates easily into your current process.

With its smaller footprint, the VS Series (VS) is ideal for customers with system space concerns and allows integration with third-party roll-to-roll applications. The VS Series features a 250W or 400W CO2 laser for kiss-cutting, slitting or perforating a variety of materials. The laser is vertically mounted and access areas are located in the front and back to help save space, allowing tight integration into an existing web or production line. The VS can also be used as a standalone system.

This small but powerful in-line laser processing solution creates an all-digital workflow that streamlines production. The VS features advanced vision technology to relay material positioning information resulting in high cut-to-print accuracy. The optional bar code reader triggers instant job change at continuous production speed. Other options include a drop/collection box, flex operation, and swing-arm HMI.

Features

- Small footprint allows easy placement in nearly any orientation or position in the production line.
- Continuous “on-the-fly” sheet processing with instant order change via job queuing or 2-D barcode.
- Patented, 3rd-generation Proton laser control software processes large, complex die lines with ease.
- Intuitive LightGuide® v5.0 software processes design files in .pdf, .dxf, .dwg, .jpg, .gif, .bmp, .png and .tif format.
- Integrated chiller and purge air panel and high-tolerance machined build quality maintains the system’s internal environment for superior production accuracy and minimal maintenance requirements.
- Precise cut-to-print registration with optional single- and dual-camera vision systems.
- Laser can process patterns on rolls for multi-layer ceramic capacitor printing purposes.
- Scalable to second laser module immediately or in the future.
- Easy-clean, low-maintenance design.
- Class 1 work enclosure and integrated exhaust guarantee operator safety by containing laser beam reflections and venting dust and debris generated during processing.
- Production class laser modules engineered for 24/7 operation; laser is rated at 20,000 minimum operating hours before refurbishing.

Laser Processing Benefits

- Complete digital workflow allows continuous, on-the-fly processing to streamline production process. Eliminates traditional die-cutting to reduce cost and production lead times.
- Multiple process areas available for maximum job flexibility.
- Simple or complex pattern processing expands design options.
- Superior registration to printed details at high production speeds reduces make-ready waste.
- Multiple laser processes in a single production run improves throughput:
  - Through-cut
  - Kiss-cut
  - Perforate
  - Ablate
  - Etch

SPECIFICATIONS & OPTIONS

Laser Technology

Laser Module Type:	Sealed CO_2 diffusion cooled
Output Power:	250W, 400W
Power Range:	5 to 400W
Processing Area:	13.75" (350mm) and 19.7" (500mm) widths
Laser Life:	Rated output for minimum 20,000 operating hours before refurbishing

Physical Specifications (400W)

Size (L × W × H):	64" × 36" × 89" (1626mm × 914mm × 2260mm)
Weight:	1320lbs (600kg)

Electrical Requirements

Voltage:	208 to 240VAC, 3-phase, 50/60Hz
Current:	25A

Compressed Air

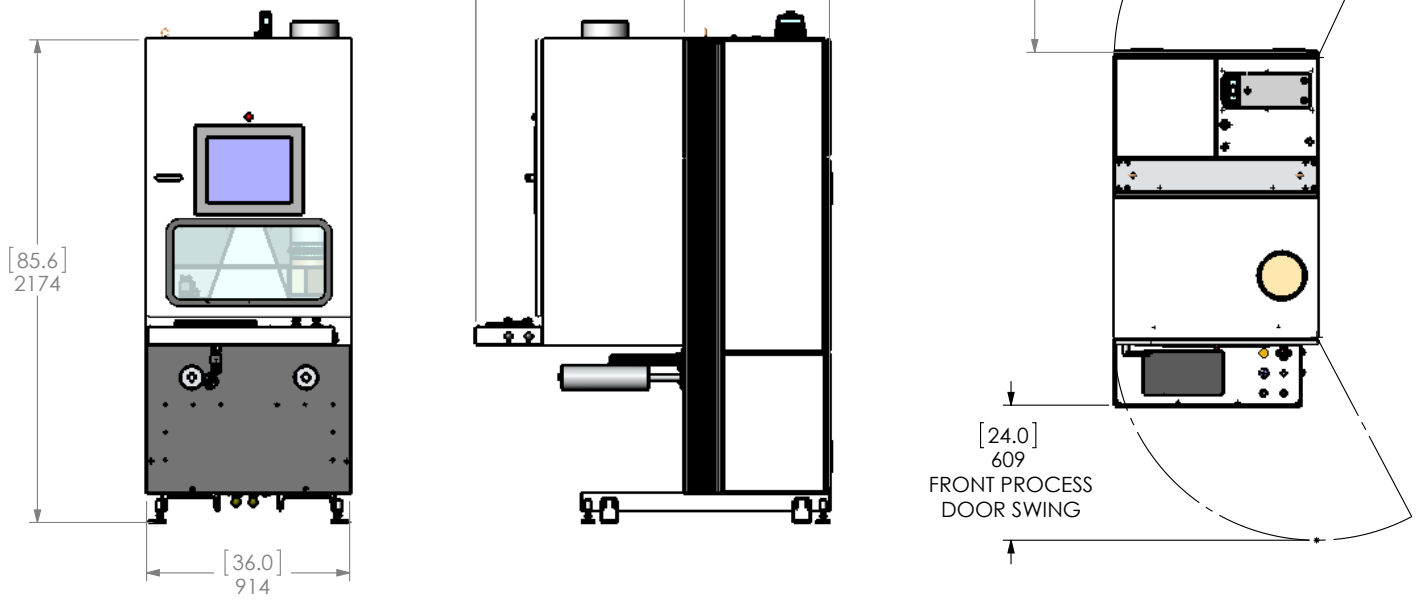
Air Flow:	1.0ft³/min (28l/min)
Air Pressure:	80psi (550kPa)
Input Filtration:	Dry & oil-free, non-condensing, 1µ 99.999% efficiency

Safety

Class I Safety Enclosure:	Per 21 CFR 1040.10; meets federal safety requirements

Options

- Through-cut and kiss-cut work supports
- Vision registration for print-to-cut accuracy and easy setup
- Barcode reader communicates job information
- Drop/collection box
- Swing arm for HMI



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