

POUCH LINE SCORING FOR FLEXIBLE PACKAGING APPLICATIONS

Perfectly aligned laser scoring creates superior easy-open pouches.

Consumer demand for easy-open containers, tear strips, pour spouts, zipper bags, resealable pouches, microwaveable packages, and peel-away windows is on the rise. LasX specializes in building laser processing equipment that meets this demand while working with the equipment you already own.

The LaserSharp PL40 is an inline pouch scoring machine with a small footprint for easy integration into indexed or continuous process zones. The PL40 features two independent 40W laser modules and dual position adjustments to process both sides of the web in one operation. This feature increases production options by providing precise control over aligned or offset score positioning. Our patented 3rd-generation laser controller guarantee score continuity and quality by intelligently controlling score depth through all machine speeds, even at the stops and starts of an index operation.



Features

- Accurate score alignment by placing the PL40 after pouch material folding operations; improve score alignment independent of the web handling equipment.
- Dual-laser modules increase processing flexibility by processing the top and bottom of the web material in one operation. Each can be independently positioned to easily create inline or offset scores.
- Consistent score depth at all web speeds thanks to powerful embedded controls; ensures accurate, consistent scores, even during the stops and starts of indexed processing.
- Forward processing controls eliminate double-scoring mistakes by enabling the lasers only when the web moves in the correct direction; prevents double-scoring due to mechanical backlash or reversals
- Small footprint allows the PL40 to fit after unwind or film folding

Superior laser control.

Other laser system manufacturers struggle with laser pulse control, leading to inconsistent scores at varying production speeds or gapped scores. LasX lasers feature embedded control technology to ensure consistent, quality scores by constantly adjusting the laser's output in response to changing web speeds.



Inconsistent scoring at varying production speeds.



Gaps due to poor laser beam control.



Smooth, consistent-quality scores made with patented "Proton" 3rd-generation laser controller.

SPECIFICATIONS & OPTIONS

Laser Technology

Laser Module Type:	Sealed CO ₂
Output Power:	Two 40W
Power Range:	4 to 40W
Processing Area:	13.75" (350mm) and 19.7" (500mm) widths
Laser Life:	Rated output for minimum 20,000 operating hours before refurbishing
Number of Modules:	1-3 (option to add laser(s) in the future)

Material

Material Handling:	Patented LasX vacuum conveyor; high-speed robot
Material Type:	Paper, paperboard, PET, acrylics
Maximum Width/Length:	20in/no limit

Physical Specifications (400W)

Size (L x W x H):	101" x 82" x 80" (2600mm x 2070mm x 2037mm)
Weight:	2700lbs (1220kg)

Typical System Requirements

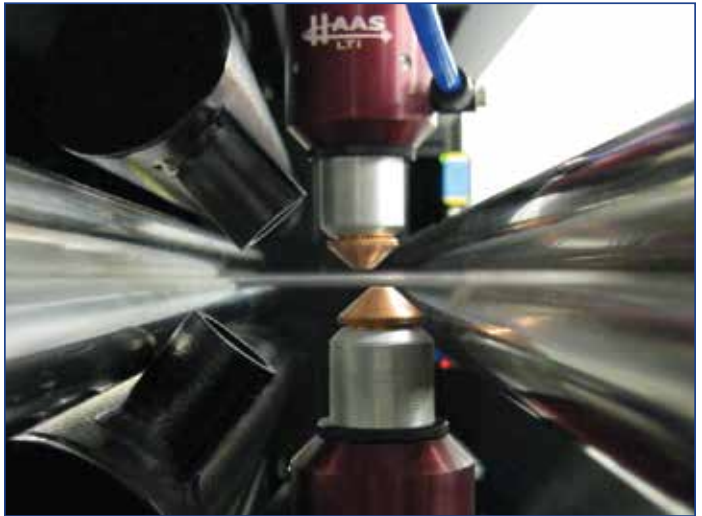
40W:	208 to 240VAC, 3-phase, 50/60Hz, 40 FLA
Compressed Air Flow:	3.0 ft ³ /min (85L/min) at 550kPa
Exhaust Airflow:	600 ft ³ /min (17m ³ /min) at 5in H ₂ O (12 millibars); 5" (125mm) diameter connection

Safety

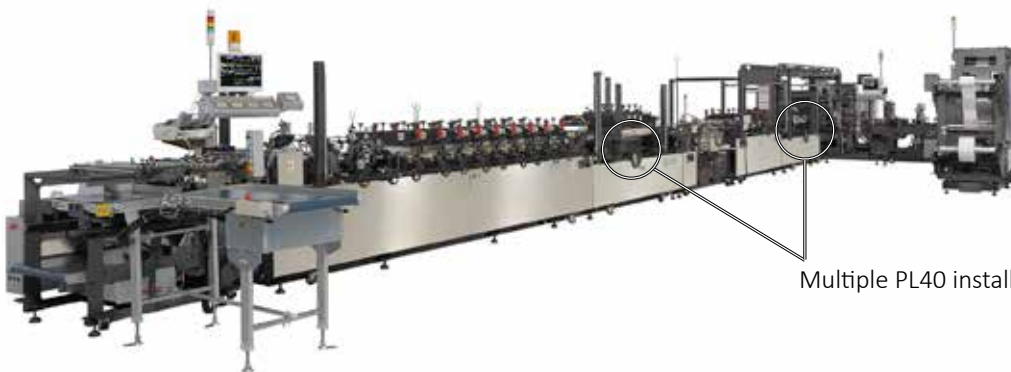
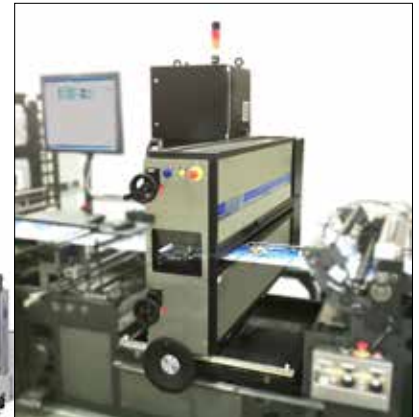
Class I Safety Enclosure:	Per 21 CFR 1040.10; meets federal safety requirements
---------------------------	---

Options

- Trac-Soft...
- Swing arm for HMI



Independent LDM position controls allow the 2 laser modules to easily be offset slightly for tabbed packaging applications or repositioned for perfectly aligned inline scores. And because the PL40 can be placed after folding operations, you're not fighting material folds or struggling with alignments.



Multiple PL40 installation.