

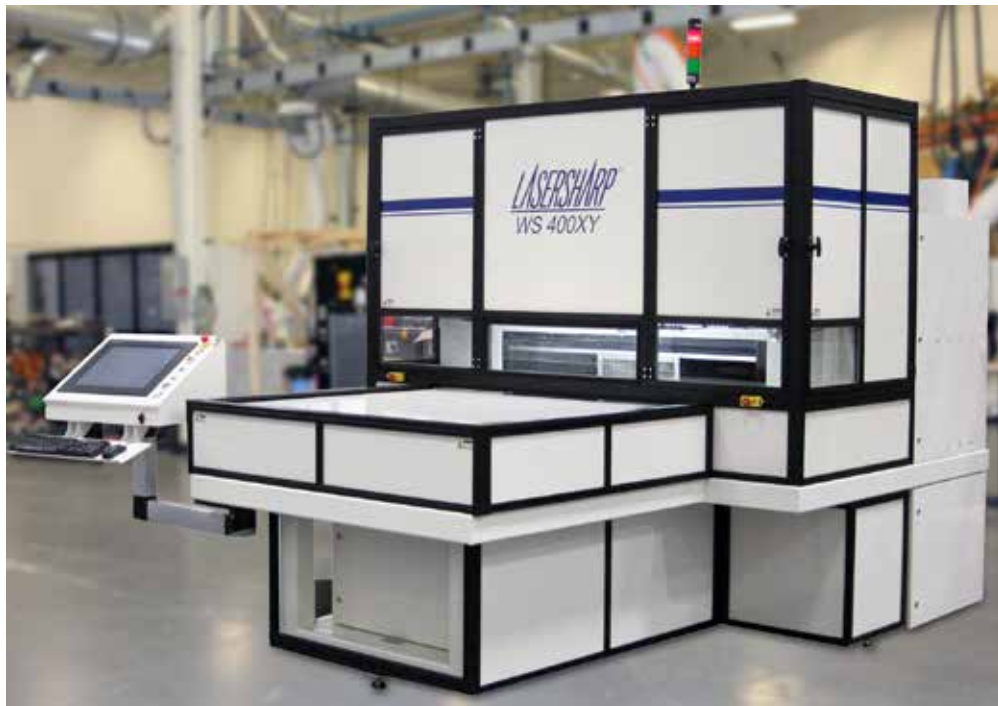
## PRODUCTION CLASS LASER WORKSTATION

### Precision X-Y positioning for large-format applications.

#### Never sacrifice speed for precision.

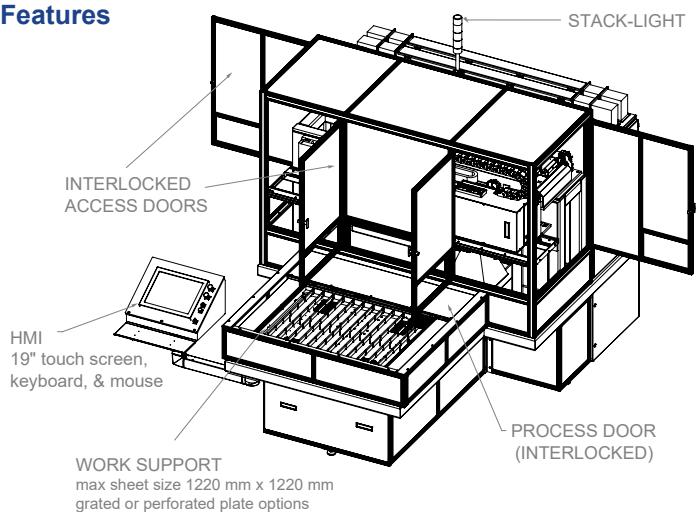
This versatile laser digital converting system combines a steered beam laser with a precise linear motor, XY positioning system, creating a new standard for high speed performance. Add a fixed beam laser for the flexibility to process thick materials with precision.

Laser through-cut, kiss-cut, micro-perforate, score, drill, and etch on a work support that accommodates materials up to 1220 mm by 1220 mm (48" x 48"). Automated material handling systems can easily be integrated to achieve maximum productivity.



LaserSharp Workstation XY - WS1200XY

#### Features



- High precision linear motors for accurate and fast positioning
- Maximum sheet size: 1220mm x 1220mm (48" x 48")  
Custom work supports available
- High tolerance processing, better than 25µm supports all laser wavelengths: CO<sub>2</sub> (10.6µm), Fiber (1.06µm), UV (355µm)
- Automatically switch between fixed and steered beam processing
- Smart Fume exhaust extraction system follows the laser resulting in cleaner parts
- Retractable material load and unload station
- Interchangeable vacuum work supports: grated honeycomb or perforated plate
- Integrates automated material handling options: roll-fed, sheet-fed, and part/scrap removal
- Highest laser safety rating: Class 1
- UL and CE Certifications

## ADDITIONAL INFORMATION

### Laser Processing Benefits

- Patented process controller
- Automatic part registration
- True nonlinear vision correction of distorted parts
- Automated grid calibration
- Automatic part tiling
- Cutter compensation for beam diameter
- Automatic nesting option
- Vector manipulation
- Automatic laser parameter assignments from material database
- PDF and DXF file import
- Remote on-line service

### Specifications

- Dimensions
  - 3100mm x 390mm x 2310mm (122" x 94" x 91")
- Weight
  - 3,080kg (6,800lbs)

	Tolerance	Speed
<b>Steered Beam</b>	± 100µm (.004")	Up to 5m/s (100"/s)
<b>Fixed Beam</b>	± 25µm (.001")	Up to 1m/s (40"/s)

*LasX follows a policy of continuous improvement. Specifications are subject to change without notice.*

### Applications

- Electronics
  - Membrane switches, flexible circuits, graphic overlays
- Graphic Arts
  - Point-of-purchase displays, folding cartons

### Industrial

- Gaskets, spacers, adhesives
- Solar Cells

### Materials

- Plastics, adhesives, papers, foams, textiles

### Options

- Laser wavelengths: CO<sub>2</sub>, Fiber, and UV
- Laser power levels: 10W to 1,000W
- Material handling:
  - Automated roll-fed
  - Automated sheet-fed
  - Part loading/unloading
  - Scrap removal
- Service contracts available



*Steered-beam window & vision system camera (standard)*



*Fixed-beam (optional addition to steered-beam).*