

XLS10.150D

Highest Performing Solution

The XLS10.150D is our highest performing laser material processing solution which delivers unparalleled performance in accuracy and productivity. Our advanced motion system and modular architecture propel the XLS10.150D to new industry heights. With a power range from 10-250 watts, the XLS10.150D is engineered for ultimate flexibility to address diverse material processing needs, from the everyday to the unusually complex. Combined with the industrial UAC 4000 Air Cleaner and Fire Suppression Unit, the XLS is an unmatched total multi-material processing solution.



Advanced Frictionless Motion System

Our advanced motion system offers distinct advantages over traditional load bearing solutions. This frictionless motion system provides the smoothest, fastest, and most precise movements over the processing area available on the market, improving throughput and accuracy and eliminating vibration, allowing mechanical tolerances of ± 0.002 ".

High Performance Features

▶ ULR Laser Sources

ULS's patented air-cooled free-space, gas slab lasers produce an excellent quality beam with even power distribution and excellent near- and far-field characteristics, making it ideal for precise laser material processing. Dual lasers dramatically increase speed, edge quality and power.

▶ Modular Architecture

Unique "building block" architecture features easily reconfigurable field-upgradable platforms, laser sources and focusing optics, offering unsurpassed flexibility as material needs change and businesses evolve.

▶ SuperSpeed™

Produces two independently controlled laser beams, increasing productivity. It is the ultimate solution for high-throughput raster marking applications.

▶ Rapid Reconfiguration™

A full range of factory-aligned laser sources are designed to be field-interchangeable, with no special tools or training needed.

▶ Laser System Manager™

The feature-rich Laser System Manager (LSM) software provides an easy-to-use, three-step process, providing unsurpassed workflow optimization in any environment, from R&D to production.

▶ Class 4 Material Pass-Through

This patented accessory provides the hardware and safety features necessary to convert the laser system into an open Class 4 laser device, allowing the user to process continuous rolls of material or objects that are too large to fit entirely on the work surface.

System Specifications

XLS10.150D	
▶ Work Surface Area (W x H)	40 x 24 in (1016 x 610 mm)
▶ Maximum Part Size¹ (W x H x D)	Within laser platform enclosure: 61 x 33 x 12 in (1550 x 838 x 305 mm). Class 4 Pass-Through mode ³ : ∞ x 33 x 12 in (∞ x 838 x 305 mm).
▶ Material Support	Up to 80 lbs (36 kg) lift capacity.
▶ Laser Configurations Supported	Individually controlled single and dual lasers.
▶ Laser Power Range Supported	CO ₂ (10.6 μm) 10, 25, 30, 40, 50, 60, 75, 250 W; up to 150 W with dual lasers.
▶ Laser Safety²	CO ₂ : Class 1 Diode Pointer: Class 2 Pass-Through mode: Class 4 (<i>optional module required</i>)
▶ Optics Protection	Ready for compressed-air-based optics protection.
▶ Available Focus Lenses	2.0 / 3.0 / HPDFO™
▶ Overall Dimensions (W x H x D)	69.2 x 61 x 55.5 in (1758 x 1550 x 1410 mm)
▶ Weight	Approximately 850 lbs (386 kg) excluding lasers.
▶ Power Requirements	Dual receptacle 220-240V/30A.
▶ Exhaust Requirements	External exhaust or air cleaner required. (<i>consult factory for specifications</i>)
▶ Computer Requirements	Requires dedicated PC with Windows® 7/8/10 32/64 bit and one available USB port (2.0 or higher).

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UNIVERSAL
LASER SYSTEMS

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CDRH Class 1 safety enclosure for CO₂ laser². Class 2 for red laser pointer.

¹Maximum part size defined as used with 2.0 lens

²CDRH Class 1 laser safety enclosure provides for safe operation without the need for an interlocked room or protective eyewear.

³Class 4 with optional Class 4 safety module.



WARNING: UNIVERSAL LASER SYSTEMS PRODUCTS ARE NOT DESIGNED, TESTED, INTENDED OR AUTHORIZED FOR USE IN ANY MEDICAL APPLICATIONS, SURGICAL APPLICATIONS, MEDICAL DEVICE MANUFACTURING, OR ANY SIMILAR PROCEDURE OR PROCESS REQUIRING APPROVAL, TESTING, OR CERTIFICATION BY THE UNITED STATES FOOD AND DRUG ADMINISTRATION OR OTHER SIMILAR GOVERNMENTAL ENTITIES. FOR FURTHER INFORMATION REGARDING THIS WARNING CONTACT UNIVERSAL LASER SYSTEMS OR VISIT WWW.ULSINC.COM.

ULS laser systems are protected under one or more of U.S. Patents: 5,661,746; 5,754,575; 5,867,517; 5,881,087; 5,894,493; 5,901,167; 5,982,803; 6,181,719; 6,313,433; 6,342,687; 6,423,925; 6,424,670; 6,983,001; 7,060,934; 7,415,051; 7,469,000; 7,715,454; 7,723,638; 7,947,919; 8,101,883; 8,294,062; 8,599,898; 8,603,217; 8,101,883; 8,294,062; 8,599,898; 8,603,217; 9,155,988; 9,263,844; 9,263,845; 9,281,649; 9,346,122; 9,354,630; D517,474. Other U.S. and international patents pending. Made in the U.S.A.

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