



The NEW Industrial Laser Series

New from Universal is the ILS line of high performance, large format, fully-customizable CO₂ laser systems that are available with an extended range of platform and power options. Featuring opening side doors for pass-through capability, the ILS is the world's only laser system that can legally operate between CDRH Class 1 and CDRH Class 4 (patent-pending). The ILS raises the bar on performance with the world's most advanced materials-based print driver (Laser Interface⁺). This powerful feature allows you to choose between automatic or manual control over power, speed, pulses per inch and other system settings. Additional standard features include carriage-mounted auto focus, interchangeable shielded focusing optics, covered belts, self-adjusting and permanently lubricated motion system bearings, red dot pointer, manual air assist with optics protection and patented Rapid Reconfiguration™ and Quick Change Laser™ technology.

Key Features

- Side doors open for **Pass-Through capability*** to accommodate oversized objects and allows you to legally switch between CDRH Class 1 and Class 4 operation (patent pending).
- **Laser Interface⁺** materials-based print driver gives you the choice between automatic and manual control over power and speed settings.
- **Patented High Power Density Focusing Optics (HPDFO)** allows you to mark some metals without the need for marking compounds.
- Optional **Embedded Computer** allows for stand-alone operation and gives you Ethernet connectivity.
- Optional **Patented SuperSpeed™** allows for high processing speeds and increased throughput.

Standard Features

- Laser Interface⁺™ Driver
- Custom Material Settings
- Instant Print and Run
- Job Preview
- Adjust Settings on the Fly
- Auto Focus
- Job Time Estimator
- Red Dot Pointer
- Rapid Reconfiguration
- Easy Maintenance
- Optics Protection
- Motion System Protection
- Sealed Bearings
- RoHS Compliant
- Manual Air Assist

Available Accessories

- Downdraft Honeycomb Cutting Table
- Computer Controlled Air Assist
- Back Sweep Option for Air Assist
- Cone Option for Air Assist
- Embedded Computer with 7" LCD (Available 2008)
- Class 4 Legal Pass-Through*
- Automation Interface (Direct Communication)
- High Power Density Focusing Optics (HPDFO)™
- Lens Kits (2.0 and 3.0)
- SuperSpeed™ (Available 2008)
- Traveling Exhaust
- Rotary Fixture



