

# PLS6MW - Multi-Wavelength Laser Platform™

32" x 18" Work Area

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## Uniquely Universal Features

### Multi-wavelength technology

This new Multi-wavelength platform is engineered to support our new laser sources which produce 1.06 micron fiber/YAG wavelength light and 9.3 micron CO2 wavelength light as well as our traditional CO2 lasers producing 10.6 micron wavelength light. These new laser sources take advantage of our patented Rapid Reconfiguration technology, making it simple and easy to switch between wavelengths without tools and without realignment. This flexibility allows the user to painlessly switch between fiber marking and CO2 marking and cutting applications, all in one machine.

### Rapid Reconfiguration™

Every laser cartridge we produce is factory pre-aligned for easy integration into any of our laser platforms. This laser modularity delivers ultimate flexibility when configuring your laser system.

### Laser Interface+™

Universal Laser Systems has developed the world's most advanced, powerful and flexible laser print driver. Laser Interface+ is a materials-based print driver that gives you the choice of automatic or manual control over power, speed, pulses per inch and other system settings.

## Platform Overview

The PLS6MW Multi-Wavelength Laser Platform uses multiple laser wavelengths to process the broadest possible spectrum of materials. The PLS6MW is built on Universal's patented Rapid Reconfiguration technology, so changing laser wavelength is as easy as changing the laser source and requires no tools, optics changes or software reconfiguration. This cost-effective, small-footprint, total material processing solution is ideal for fast-paced R&D and production environments and is only available from Universal Laser Systems.

### 1.06 micron - Fiber

Materials: Most metals, some plastics. When configured with a 1.06 micron pre-aligned interchangeable fiber laser, the PLS6MW can mark most metals and some plastics.

### 10.6 micron - CO2

Materials: Plastics, textiles, wood and some metals. Reconfigure the PLS6MW with a standard 10.6 micron pre-aligned interchangeable CO2 laser to open up the full breadth of organic material processing capabilities.

### 9.3 micron - CO2

Materials: Some plastics. Reconfigure the PLS6MW with a specialized 9.3 micron pre-aligned interchangeable CO2 laser for excellent results on certain highly-functional plastics.

### Multi-Wavelength

Materials: Some complex materials, including mirrored acrylic, adhesive-backed foils and some plastics. The multi-wavelength functionality of the PLS6MW can be used to accomplish some tasks which are impossible if only a single laser source is used.

## HOBARTS LASER SUPPLIES LTD

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