

# LP500

## LASER PLATFORM

OakRiver Technology's LP500 Laser Platform is designed to provide a flexible laser platform for a variety of your laser processing needs. The LP500 is easily configurable to accommodate your specific application(s) with customizable product fixturing along with simple and user-friendly programming. OakRiver manufactures the LP500 with the flexibility required for R&D applications along with the reliability demanded in production settings.

### LASER PLATFORM CAPABILITIES

- **CDRH Class 1 laser platform** for applications such as welding, cutting, drilling, and more
- **Fully programmable** and customizable through the HMI programming interface
- **Configurable axes** for your application
- **Laser configurable** for your process needs
- Optional **through-the-torch vision** with vision-guided **click-to-move** feature
- **Fixed optics** or **galvo scanhead**

### LASER PLATFORM FEATURES

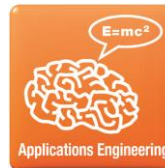
- Laser window for safe process viewing
- 22" touchscreen monitor
- PLC and IPC controls
- USB and Ethernet convenience ports for programming and networking
- Barcode reader capability for recipe selection

\*Additional capabilities/features available upon request

## CUSTOMIZED TO FIT YOUR NEEDS



Configurable axes of motion  
Product-specific fixturing



User programming of custom sequences  
Customizable operator instructions



Pre-and post-inspection options  
Click-to-move functionality



Configurable laser and optics  
User-defined laser modes

### FULLY PROGRAMMABLE

- The user-friendly graphical interface allows the users to develop a program that defines the sequential operations for their process
- 28 configurable commands define product fixturing, manage motion profiles, prompt users for input, access vision tools, control laser output, and other functions
- Pulse Shaper allows the development of customized pulse profiles and emission sequences