LP 500
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

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