

## Compact Laser Machining Platform

**Machine tools built from standard optical, mechanical, structure and enclosure modules, with dedicated tooling, material handling inspection and control**

Standard workstations offer a range of options that can easily be combined to provide a laser processing solution for your application at a competitive price and delivery time. By utilizing our standard platforms you greatly reduce the time and cost involved in engineering the stable structure and enclosure of the system. The work space and control systems can then be tailored to your requirement, providing the functionality and productivity of a bespoke machine tool.

### Compact

The compact is a small footprint platform designed to accommodate manual or semi-automated processing of smaller components. Where possible all elements are integrated into this single module minimizing the tools footprint where real-estate is at a premium. Typical processes include:

- Drilling of precision holes
- Micro-welding
- Wire bonding
- Optical fiber processing

#### *Dimensions:*

The standard system is 1.43m wide x 0.83m deep with variable height according to the application and PC user interface.

### Standard Workstation

- Full turnkey operation
- Range of laser types including fundamental, doubled and tripled YAG, CO<sub>2</sub>, excimer and diode (limitations apply)
- Multi-axis motion system and beam scanning options
- Tailored to suit the application
- Closely integrated control systems
- Inspection and feedback options

### Typical Features

- Optional full vision analysis and metrology
- Dual circuit safety interlocks to Euro or FDA standards
- Ergonomic, user-friendly interface and operation
- Compliance with all relevant safety standards
- Full extract, fume and dust handling if required
- Manual, semi-automatic or fully automatic loading

