

## TX8400 Precision 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.

### TX8400

The TX8400 is widest platform built as standard and is used where workpiece handling, processing or assembly steps or the component itself requires more generous space. Typical applications are semi-automatic laser processing of small batches of components. Typical processes include:

- Drilling of precision holes
- Scribing
- Demetalization
- Tailored optical fiber processing

#### *Dimensions:*

The standard system is 2.6m wide x 1.3m deep x 1.8m high with separate full height services rack and touch screen PC user interface.

### Standard Workstation

- Full turnkey operation
- Range of laser types including fundamental, doubled and tripled YAG, CO2, excimer and diode
- Wide range of laser powers
- Multi-axis motion system and beam scanning options
- Tailored to suit your 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

