

Product Brochure For L78102

## Compact Sheet Fiber Laser Cutting - BODOR i6 CE 3kW

2000 x 1000mm Table

Includes Door-open Protection

Ex GST

Inc GST

**\$107,350.00 \$118,085.00**



|                                     |                            |
|-------------------------------------|----------------------------|
| ORDER CODE:                         | L78102                     |
| MODEL (Type):                       | i6 3kW                     |
| Laser Power (kW):                   | 3                          |
| Cutting Table Capacity (mm):        | 2000 x 1000                |
| Max acceleration (G):               | 1.5                        |
| Positioning accuracy (mm):          | ±0.05                      |
| Repeatability (mm):                 | ±0.03                      |
| Rapid Traverse (m/min):             | 91                         |
| Laser Type:                         | Fiber Laser                |
| Laser Source:                       | BodorPower                 |
| Laser Head:                         | BodorGenius                |
| Control System:                     | BodorThinker               |
| Door-open Protection:               | Yes                        |
| Max. Table Load Capacity (kg):      | 400                        |
| Active Obstacle Avoidance:          | Yes                        |
| One-Click Processing:               | No                         |
| Intelligent Remnant Layout:         | Yes                        |
| Lightning Piercing:                 | Yes                        |
| High Speed Cutting Expert Database: | Yes                        |
| Auto Focus Laser Head:              | Yes                        |
| Automatic Nozzle Change:            | No                         |
| Anti-Burning Mineral Casting Plate: | Yes                        |
| Nesting Software:                   | Yes -Compatible with Tekla |
| Drawing File (Type):                | DXF, DWG, LXD, TXT, GEN    |
| Transfer Table - Motorised:         | i6 & i7 only               |
| Bevel Cutting:                      | No                         |
| Nett Weight (kg):                   | 3110                       |
| Machine Size (mm):                  | 4049x1955x2230             |



### Description

Bodor i series increases productivity of your production line without requiring much space. The system has been designed to take up as little floor space as possible. The fully enclosed design leads to more economical processing and faster performance, with a much lower power consumption.

### Features

- Active obstacle avoidance system - BodorGenius, Bodor's intelligent laser head, uses sensors and algorithms to detect potential obstacles like tilting parts and automatically avoids a potential collision. It largely ensures the stability as well as operating efficiency in the cutting process.
- Lightning piercing - The technology offers rapid, precise piercing with reduced time. It features monitored processes for efficiency, automatic focus adjustment for seamless piercing, and integration with Bodor Genius. This enables quick piercing in sync with the cutting head's movement, optimizing operations for medium-thick plates without additional time or motion.
- Intelligent remnant layout - To achieve maximum material utilization, all you need to do is uploading pictures of the remnant to the control system with your mobile phone. C series is able to automatically finish positioning as well as nesting. The higher the percentage of utilization, the more economical the process. Enjoy the benefits of significantly increased cost savings.
- Anti-burning mineral casting - Bodor's newly developed anti-burning casting material provides numerous advantages in slag removal, operations, and modular design. When in use, material residue automatically separates from the anti-burning plate, largely lowering maintenance costs and offering better durability. Its lightweight structure as well makes it easy to replace.
- Nesting software - Auto nest up to 50 individual parts, ensuring maximum efficiency and less waste.

### Includes

- Bodor's Genius: cutting head with programmable motorised lens and Collision Protection
- Bodor Power: is the backbone of any laser cutting system, and BodorPower takes it to the next level. This original laser source is the key to Bodor's high power processing (up to 60kW). It ensures longer lifespans, safer operations, and superior cutting results of every Bodor cutting machine.
- BodorThinker: serves as the intelligent core of Bodor's laser cutting solutions. This control system integrates seamlessly with MES and ERP systems, facilitating automated production process management and information exchange through standardised communication protocols.
- Door-open Protection
- Cutting view camera
- 21" LCD screen

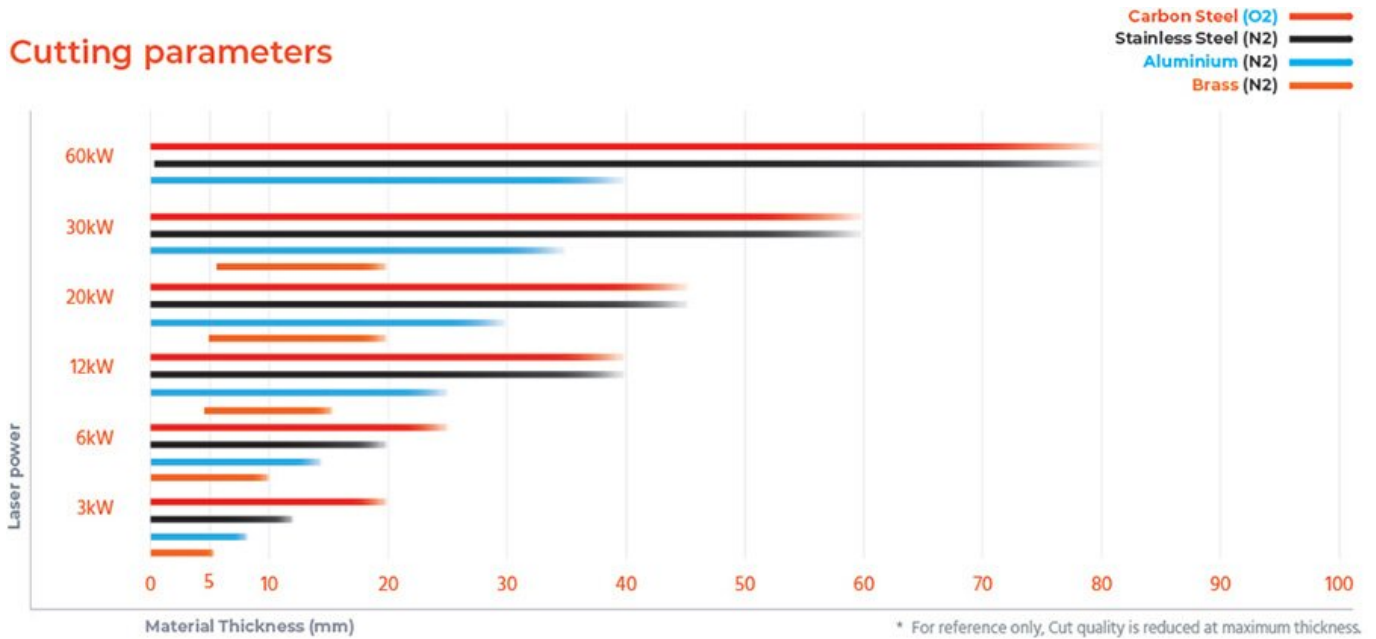
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- Local Service and Support
- Oxygen & Nitrogen Regulators with hoses
- \*12 month warranty on machine parts & labor
- Commissioning & Testing Included (Metro Areas)
- Comprehensive Operator Training Included (Metro Areas)
- \*Five year factory warranty on - Bodor Thinker Control System, Bodor Power Laser Source, Bodor Genius Laser Head.

**Optional Accessories**

- MMF-4L - Laser Fume Extraction 5.5kW (W2723)

**Cutting parameters**



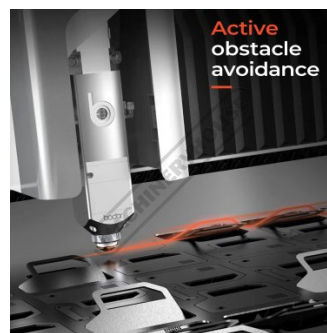
**Specific Features**



Anti burning mineral casting plate



Intelligent remnant layout



Active obstacle avoidance



Lightning piercing

Product Brochure For L78102

**Recommended Accessories**

W2723

Laser Fume Extraction



C5400

High Pressure Rotary Screw  
Compressor for Fiber Laser  
Cutting



C5051

Pilot Air Compressor



I8100

3kW Sheet Laser

