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Product Brochure For L78104

Compact Sheet Fiber Laser Cutting - BODOR i7 CE 3kW

3048 x 1524mm Table
Includes Door-open Protection

Ex GST	Inc GST
$125,250.00	$137,775.00



ORDER CODE:	L78104
MODEL (Type):	i7 CE 3kW
Laser Power (kW):	3
Cutting Table Capacity (mm):	3048 x 1524
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):	900
Active Obstacle Avoidance:	Yes
Intelligent Remnant Layout:	Yes
Lightning Piercing:	Yes
High Speed Cutting Expert Database:	Yes
Auto Focus Laser Head:	Yes
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
Nett Weight (kg):	4125
Machine Size (mm):	5562×2270×2388

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
- Local Service and Support
- Oxygen & Nitrogen Regulators with hoses
- *12 month warranty on machine parts & labor

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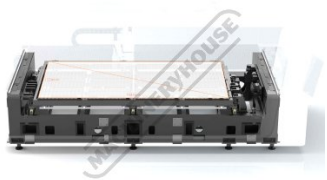
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- Commissioning & Testing Included (Metro Areas)
- Comprehensive Operator Training Included (Metro Areas)
- *Five year factory warranty on - Bodor Thinker Control System, Bodor Power Laser Source, Bodor Genius Laser Head.

Optional Accessories

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

Specific Features



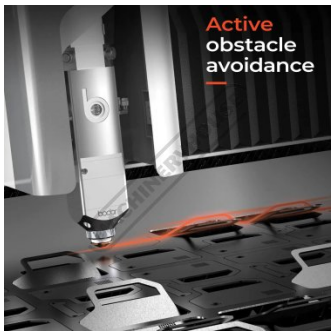
Bed Size



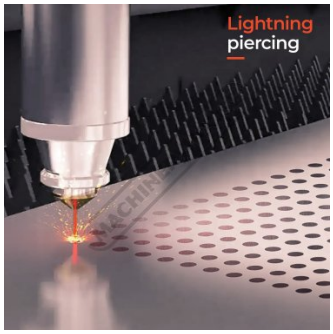
Anti burning mineral casting plate



Intelligent remnant layout



Active obstacle avoidance



Lightning piercing

Recommended Accessories

W2723
Laser Fume Extraction



C5400
High Pressure Rotary Screw Compressor for Fiber Laser Cutting



C5051
Pilot Air Compressor



I8100
3kW Sheet Laser

