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Product Brochure For L78091

Compact Industrial Fiber Laser Cutting Machine - BODOR A3-CE 6kW

3048 x 1524mm Table

Includes CE Certified Laser Cover Protection

Ex GST	Inc GST
$79,950.00	$87,945.00



ORDER CODE:	L78091
MODEL (Type):	A3-CE-6kW
Laser Power (kW):	6
Cutting Table Capacity (mm):	3048 x 1524
Max acceleration (G):	1.2
Positioning accuracy (mm):	±0.05
Repeatability (mm):	±0.03
Rapid Traverse (m/min):	80
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:	~
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:	No
Nett Weight (kg):	2850
Machine Size (mm):	5600 x 2260 x 1960

Description

The BODOR A3-CE 3kW Fiber Laser Cutting Machine is a compact, high-performance industrial CNC laser system engineered for precision sheet metal fabrication. Designed for Australian manufacturing environments, this enclosed fiber laser cutter delivers high-speed, high-accuracy metal cutting across mild steel, stainless steel, aluminium, and other industrial metals.
Built to meet strict CE safety standards, the A3-CE integrates a fully enclosed laser head and gantry system, creating a controlled and protected cutting environment. This advanced design sets a new benchmark in industrial laser cutting safety while maintaining the open-table accessibility fabricators require.
The A3-CE combines intelligent automation, high-speed traverse rates up to 80m/min, and advanced CNC BodotThinker control technology to maximise productivity, repeatability, and material utilisation.
With real-time cutting monitoring, industrial safety light curtain protection, and an ergonomic standalone operator console, the A3-CE has the performance, reliability, and precision demanded by modern sheet metal manufacturing.
Upgrade your workshop with a Bodor A3-CE where performance, safety, and efficiency come standard

Features

- Enclosed laser head and gantry - CE certified full enclosure surrounds the cutting head and gantry, ensuring operator and bystander protection by containing laser radiation.
- Cutting view - Operators can see cutting in real time with a live feed from an internal camera displayed on the console, ensuring visibility without compromising safety.
- Freestanding operators console -Standalone operator console keeps the operator outside the safety light curtain area.
- 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. Bodor thinker 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

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- 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.
- Cutting view camera
- Laser safety Curtains
- 21" LCD screen
- 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-6L - Laser Fume Extraction 7.5kW (W2724)

Specific Features



Safety Curtains



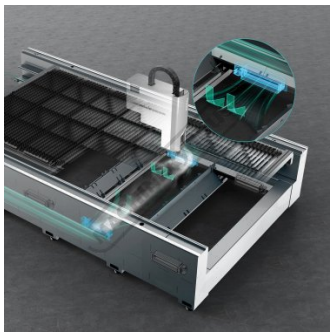
Intelligent remnant layout



Active obstacle avoidance



Lightning piercing



Dust and Fume Extraction Points



Modular Tables



Anti burning mineral casting plate

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Recommended Accessories

W2724
Laser Fume Extraction



C5401
High Pressure Rotary Screw Compressor for Fiber Laser Cutting



C5051
Pilot Air Compressor



I8103
6kW Sheet Laser

