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Product Brochure For I8132

Ultra-Large Format Metal Sheet Laser Cutting Machine - BODOR H-Series

12Kw up to 60Kw laser source
of steel
processing



Please Call

MODEL:	H-Series
ORDER CODE (Type):	I8132
Cutting Length Capacity (mm):	1500mm×600mm Sheet
X Axis Max acceleration (G):	0.8
X/Y Axis Positioning accuracy (mm):	~
X/Y Axis Repeatability (mm):	~
Y Axis Maximum Speed (m/nim):	
X Axis Maximum Speed (m/nim):	
Z axis maximum speed (m/nim):	~
Max Chuck Rotating Speed (r/min):	~
Max Load Capacity (kg):	~
Standard Tube Support Holder:	~
Laser Type:	Fiber Laser 12kW up to 20kW
Laser Source:	BodorPower
Laser Head:	BodorGenuis
Control System:	BodorThinker
Round Tube (mm):	~
Square Tube (mm):	~
Z-axis Active Obstacle Avoidance:	Yes
Auto Focus Laser Head:	Yes
Lightning Piercing:	Yes
Automatic tube inspection:	~
Over edge protection:	~
Drawing File (type):	DXF, DWG, PLT, CNC
Chuck Drive Type:	~
Waste Trolley:	~
Centrifugal fan:	~
Bevel Tube Cutting (optional):	Yes
Slag cleaning module:	~
Machine Size (mm):	~
Nett Weight (kg):	~
Number of chucks:	~
Y Axis Max acceleration:	~

Description

Ultra-Large Format Metal Sheet Laser Cutting Machine

Contact us to discuss your specific requirements and explore the best solution to suit your needs. Multiple format sizes are available.

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 amount of time. It features efficiency monitored processes, focus adjustment, and integration with BodorGenius. This enables quick piercing in sync with the cutting head’s movement, optimizing operations for medium-thick plates without extra time or motion.
- Intelligent remnant layout -To achieve maximum material utilization, all you need to do is uploading cutting shapes to the control system via your mobile phone. H series is able to automatically finish positioning as well as nesting.
- Overheating offset -To stabilize laser beam focal point during the cutting process, this function counteracts the adverse effects of overheating by adjusting time and temperature. It is especially applicable to cutting thick sheet metal.
- Intelligent pressure adjustment -Based on the air pressure deviation feedback from the system, H series automatically adjusts pressure without manual intervention. The air pressure set in the software corresponds directly to the actual cutting air pressure in use, further ensuring operating stability.
- Follow-up dust removal-The function significantly improves the cleanliness of the cutting process. It works by dividing the cutting area into multiple partitions and using a combination of internal and external fans to create a powerful airflow that effectively removes fumes and dusts from the cutting zone in real time..
- Nesting software compatible with Tekla - The nesting software for the Bodor H series has strong compatibility with Tekla, streamlining your workflow by effortlessly reading material specifications from Tekla files. It simplifies the cutting process with smart material utilization,

ensuring maximum efficiency and less waste.
- Optional bevel cuts - The bevel cutting option of H series enables the production of high-precision bevel cuts in +/- 45 degrees, optimizing subsequent assembly procedures and welding performance while lowering production costs.

Includes

- BodorGenius : Cutting head with programmable motorised lens and Collision Protection
- Bodor Power: 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.
- 21.5 Inch Display'
- 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.

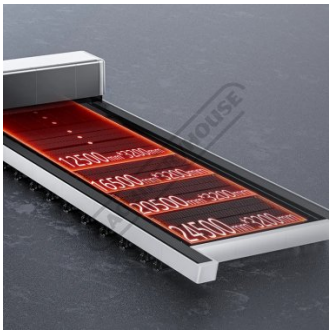
Optional Accessories

- 12kW up to 60kW power source

Specific Features



Side View



Customized Bed Choices



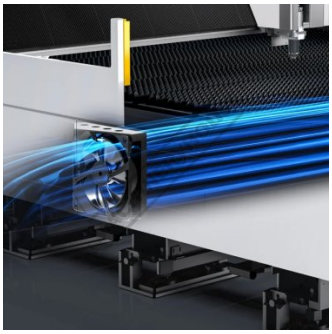
Independent Worktable



Dual Protection



Remnants Layout



Extraction System

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Recommended Accessories

C5051
Pilot Air Compressor

