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Product Brochure For I8130

Tube Fiber Laser Cutting - BODOR T-Series

6500 & 9200mm Tube Lengths
Max Tube Weight 600Kg



Please Call

ORDER CODE:	I8130
MODEL (Type):	T2 & T3
Laser Power (kW):	3 & 6
Cutting Length Capacity (mm):	6500 & 9200
Max acceleration (G):	1.5 / 1.6
X/Y Axis Positioning accuracy (mm):	~
X/Y Axis Repeatability (mm):	~
Y Axis Maximum Speed (m/min):	~
X Axis Maximum Speed (m/min):	~
Z axis maximum speed (m/min):	~
Max Chuck Rotating Speed (r/min):	175/T2 - 80/T3
Max Load Capacity (kg):	300 - 600
Standard Tube Support Holder:	Yes
Laser Type:	Fiber Laser
Laser Source:	BodorPower
Laser Head:	BodorGenuis T
Control System:	BodorThinker Tube
Round Tube (mm):	T2-?8-?230mm / T3-?25-?356mm
Square Tube (mm):	T2-?8-?230mm / T3-?25-?356mm
Rectangular Tube (mm):	~
Steel Angle (mm):	~
Steel Channel (mm):	~
Steel i Beam (mm):	~
Z-axis Active Obstacle Avoidance:	Yes
Auto Focus Laser Head:	Yes
Lightning Piercing:	Yes
Automatic tube inspection:	Yes
Over edge protection:	Yes
Drawing File (type):	G Code, DXF, DWG
Chuck Drive Type:	Pneumatic Chuck
Waste Trolley:	Yes
Bevel Tube Cutting:	Yes
Slag cleaning module:	No
Machine Size (mm):	~
Nett Weight (kg):	~

Description

Contact us to discuss your specific requirements and explore the best solution to suit your needs.

When productivity is non-negotiable, the T Series delivers. With cutting speeds up to 20% faster than conventional methods, each tube is processed with exceptional efficiency. Stay ahead of the competition and experience precision at its finest master level performance starts here.
The T Series is engineered for remarkable precision, even when cutting materials of varying thicknesses. Equipped with Bodor’s premium-grade laser heads renowned for their industry leading quality you can expect flawless, high-accuracy cuts every time.

With power options up to 6kW, the T Series offers uninterrupted, high-speed cutting that dramatically reduces project turnaround times. It’s built for those who demand unrivalled cutting speed and efficiency.

Designed for true versatility, the T Series handles tubes of any shape round, rectangular, or irregular profiles with ease. No matter your material or geometry, the T Series has you completely covered.

Features

- Ultra-Fast Cutting -Max. Loading Speed 160m/min / Max. Chuck Rotation Speed 175r/min
- Fast Centering -No Waiting Time, 0.26s 1Second Centering Rectangular Tubes / 5.02s Traditional Capacitive Centering Rectangular Tubes (T2 only)
- Intelligent Adaptation -Intelligently select and match parameters like loading speed, chuck rotation speed, and clamping force for your

tubes.
- Composite Rollers -The combined support of a follow-up rollers, intelligent loading centering and bionic U-shape roller.
- Servo-Flipping Unloading -A new form of servo-flipping unloading reduces the workpiece's movement during cutting and further enhancing cutting accuracy. Automatic material sorting and unloading save both time and effort.
- BodorThinker - BodorThinker is a high-end intelligent control system for a CNC laser cutter, featuring reliable stability, convenient installation and adjustment, safe production, multiple functionality, and robust performance. With BodorThinker, your laser cutting solutions can be modular, customized, automated and information-based.
- BodorNest Tube - BodorNest Tube is system designed for intelligent tube processing. It works with a diverse range of tube materials. Users can customize tube cutting layouts to fulfill different fabrication needs. This software increases material utilization rate by 15% and layout speed by 25%, facilitating the process of tube nesting. It also seamlessly integrates with other business software such as Tekla and Tribon.
- Weld Seam Identification -Optional - Automatic detection of weld seam positions ensures 100% precise identification and avoidance.

Includes

- BodorGenius T: The specialized design of slender nozzle allows the machine to avoid interference and cut various types of tubes.
- 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
- Delivery (Metro Areas)
- 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)
- MMF-6L - Laser Fume Extraction 7.5kW (W2724)

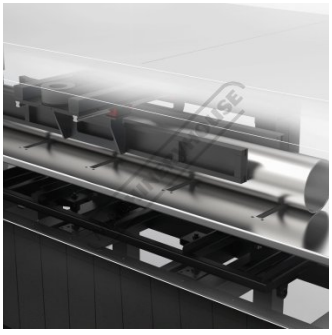
- T series automation devices like T-Trans optimises material flow and boosts output of production
- T-Loader only option forT3-Series

- 6 meter unloading rack.

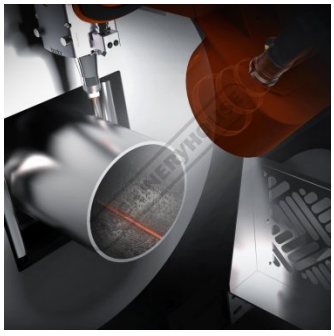
- Bevel Cutting

Specific Features


Combined Support


Large Unloading Support


Centre Find


Optional Weld Seem Identification

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BodorNest Tube



Profile 1



Profile



Machine Side View

Recommended Accessories

W2723
Laser Fume Extraction



C5400
High Pressure Rotary Screw Compressor for Fiber Laser Cutting



C5401
High Pressure Rotary Screw Compressor for Fiber Laser Cutting



C5051
Pilot Air Compressor

