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Product Brochure For L78371

# Combo Sheet & Tube Laser Cutting - BODOR CT CE 6kW

3048 x 1524mm Table / 6m Max Tube length

For cutting pipes and sheet metal



## Please Call

| | |
|---|---|
| ORDER CODE: | L78371 |
| MODEL (Type): | CT Series 6kW |
| Laser Power (kW): | 6 |
| Cutting Table Capacity (mm): | 3048 x 1524 |
| Tube Size Range: | ?20-?230mm max 6m length |
| Max acceleration (G): | 1.5 |
| Positioning accuracy (mm): | ±0.05 |
| Repeatability (mm): | ±0.03 |
| Compound Rapid speed (m/min): | 100 |
| Laser Type: | Fiber Laser |
| Laser Source: | BodorPower |
| Laser Head: | BodorGenius |
| Control System: | BodorThinker |
| Transfer Table - Motorised: | Yes |
| Max. Load Capacity Per Table (kg): | 911 |
| Active Obstacle Avoidance: | Yes |
| One-Click Processing: | Yes |
| Visual Collision Avoidance: | 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): | G Code, DXF, DWG |
| Laser Scanning Cutting: | Optional |
| Bevel Cutting: | No |
| Nett Weight (kg): | 7800 |
| Machine Size (mm): | 9700 x 3600 x 2400 |

## Description

The Bodor CT series can process both sheet metal and tubes, meeting a variety of processing needs. Its high efficiency and cost-effectiveness make it a powerful tool in the field of metal cutting.

## 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.
- One-click processing Set - up your tasks ahead of time and let C series do the rest. Once the operation begins, C series will automatically complete edge searching, range checking, and cutting one after another. With C series, you can finish batch production easily without any repetitive procedures.
- 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.
- 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.
- Auto Focus - Applicable to various focal lengths, which are controlled by machine tool control system. Focal point will be automatically adjusted in cutting process to achieve the best cutting effect of different thicknesses sheets metal.
- 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.
- Full Class one laser safety enclosure with door interlocks
- Cutting view camera
- 21" LCD screen
- Local Service and Support
- Oxygen & Nitrogen Regulators with hoses
- *12 month warranty on machine parts & labour
- 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



Tube Cutting




Anti burning mineral casting plate




Intelligent remnant layout




Active obstacle avoidance




One click processing




Lightning piercing

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## Recommended Accessories

W2724
Laser Fume Extraction




C5051
Pilot Air Compressor

