

C Series, Base Sheet Metal Laser Cutting Machine

The Bodor C series brings a new level of productivity to the field of metal processing. Designed for high efficiency and cost-effectiveness, it meets the demands of modern production. Its advanced technology combined with economic benefits offers an ideal cutting solution for businesses of all sizes, excelling in precision, speed, and cost control.



Your first step into advanced laser cutting

SIMPLE OPERATION

The one-click processing feature simplifies the operation, saving time and labor costs.

ECONOMICALLY EFFICIENT

The C Series offers cost-effective solutions, reducing initial investments and long-term operational costs.

STABLE AND RELIABLE

Durable construction and advanced materials extend the machine's life, reducing repair and maintenance costs.

ALL-AROUND PROTECTION

Its comprehensive design and laser protective glass ensure maximum safety for operators.

INTELLIGENT DESIGN

Advanced dust extraction systems and air pressure smart control enhance work efficiency and environmental quality.

Active obstacle avoidance

BodorGenius uses sensors and algorithms to detect potential obstacles like tilting parts and automatically avoids a potential collision.

One-click processing

Completes edge searching, range checking, and metal cutting in one go.

Anti-burning mineral casting plate

The modular anti-burning mineral casting plate auto-separates slag for lower maintenance, and offers durable, easy-to-replace benefits.

Visual collision avoidance

The intelligent visual collision avoidance technology detects motions and signal warnings to prevent collisions and enhance operating safety.

Nesting software compatible with Tekla

Bodor's nesting software is compatible with Tekla. This combo together simplifies cutting processes with intelligent material utilization.

Intelligent remnant layout

With uploaded pictures, the machine can automatically finish positioning and nesting, achieving material utilization rate at maximum.

Lightning piercing

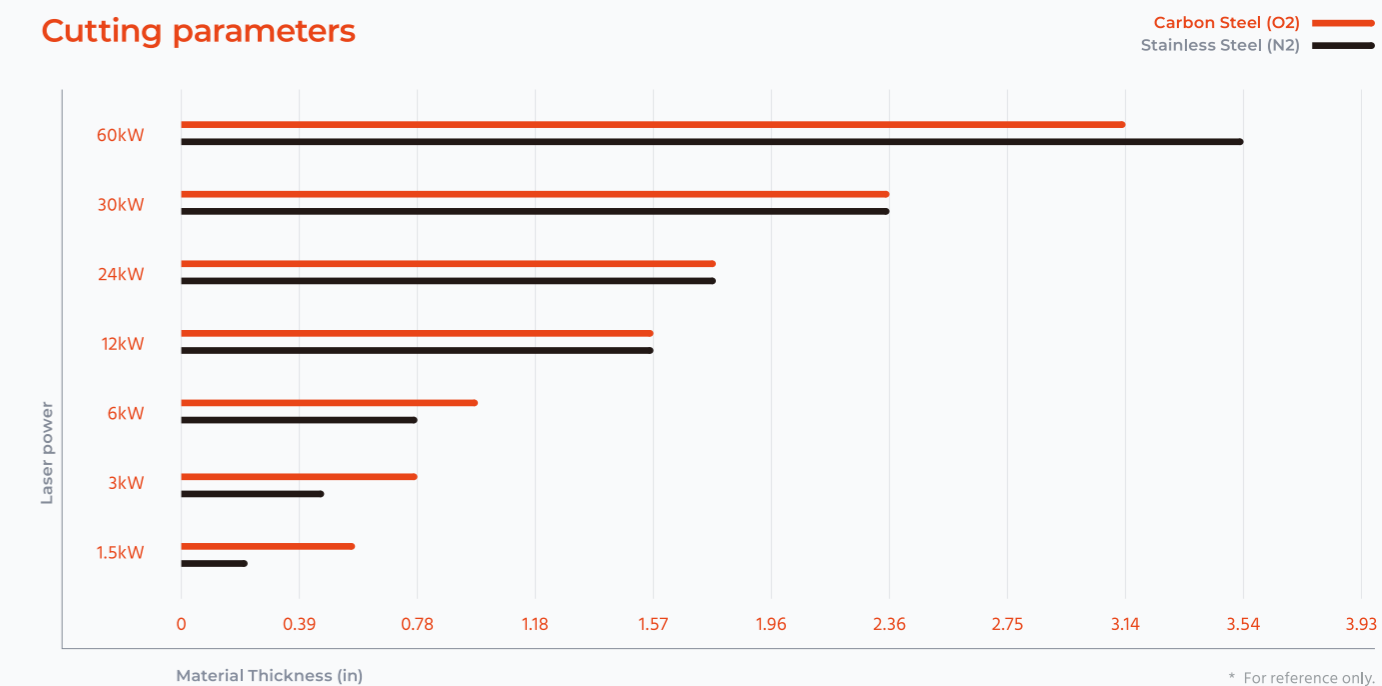
The technology offers rapid, precise piercing with reduced time. It features monitored processes for efficiency, focus adjustment for seamless piercing, and integration with BodorGenius.

Technical specifications

| | C3 | C4 | C6LEAN | C6 | C8 | C12 |
|-------------------------|-----------------|-----------------|--------------|----------------|------------------|------------------|
| WORKING AREA | 120"x60" | 157"x78" | 240"x60" | 240"x98" | 316"x98" | 480.31"x98.42" |
| LASER POWER | 1.5/3/6/12/24kW | 1.5/3/6/12/24kW | 6/12/24/30kW | 3/6/12/24/30kW | 12/24/30/40/60kW | 12/24/30/40/60kW |
| POSITIONING ACCURACY | ±0.001968" | ±0.001968" | ±0.001968" | ±0.001968" | ±0.001968" | ±0.001968" |
| RE-POSITIONING ACCURACY | ±0.001181" | ±0.001181" | ±0.001181" | ±0.001181" | ±0.001181" | ±0.001181" |
| MAX. ACCELERATION | 1.5G | 1.5G | 1.5G | 1.5G | 1.5G | 1.5G |
| MAX. LINKAGE SPEED | 4330°/min | 4330°/min | 4330°/min | 4330°/min | 4330°/min | 4330°/min |

* For complete details, please reach out to our sales team at sales@bodor.com.

Cutting parameters



* For reference only.

Cutting samples



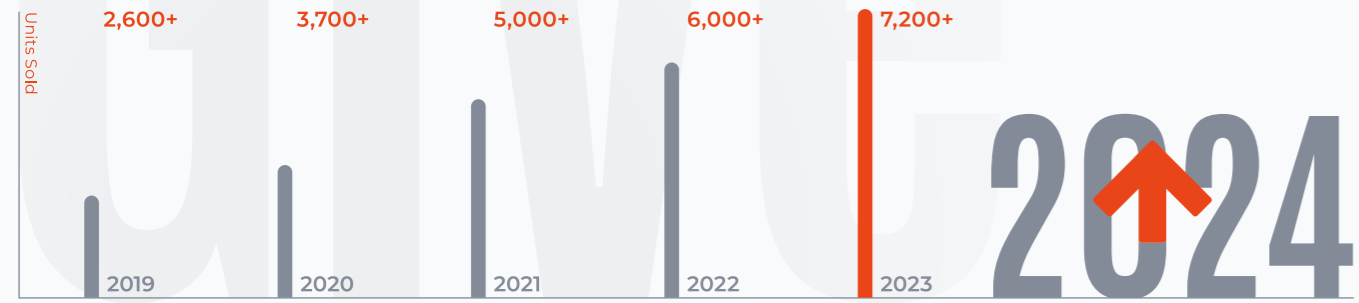
* Certain functions or components mentioned in this document are optional and may not be included in the standard version of the product.



World's No.1 in Sales Volume for 5 Years

2019 – 2023

Bodor has consistently held the top position in global sales volume for five consecutive years. In 2024, we are poised to continue our upward trajectory, solidifying our position as a market leader and surpassing our previous achievements.



5 Years of Premium Warranty

For three Bodor core components

Bodor's integrated approach reduces failure rates, ensuring quality in transportation, delivery, and maintenance of three Bodor core laser components. Simplified operation, adjustment, and maintenance streamline processes, while expert machine setup and training facilitate smooth equipment adaptation for customers.

BodorThinker Control System

BodorPower Laser Source

BodorGenius Laser Head



Streamline your integration and quality assurance.

INTEGRATED PRODUCTION

Unified origin for stable and efficient quality

INTEGRATED DESIGN

High industrial integration, perfect system compatibility

INTEGRATED TESTING

Rigorously tested for ultimate performance

INTEGRATED DELIVERY

Package and shipped as a whole for enhanced quality

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FOLLOW US ON SOCIAL MEDIA

C Series

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5 Years of Warranty

WORLD NO.1 FOR 5 YEARS IN A ROW

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