

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

OPERATING SAFETY

The one-click feature streamlines processing operations and production lines, promoting work safety and reducing labor costs.

ECONOMICAL MODEL

The C series equipment proves to be an economical choice for businesses by reducing the initial investment and operating costs for laser cutting, propelling businesses towards quick ROI and greater profitability.

EASE OF OPERATION

Thanks to intuitive controls and smart features, the laser cutting operation and maintenance are made accessible and efficient for all skill levels.

Cutting parameter automatch

This function makes every user a "cutting master" by guiding you through parameter adjustments with ease.

Active obstacle avoidance

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

Visual collision avoidance

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

One-click processing

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

Nesting software compatible with Tekla

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

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.

Remnant layout

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

Comprehensive configuration options

With our wide range of optional features and functions, like iLoader eco auxiliary loading module, laser scanning cutting, and bevel cutting, etc.

Neat and orderly cable harness

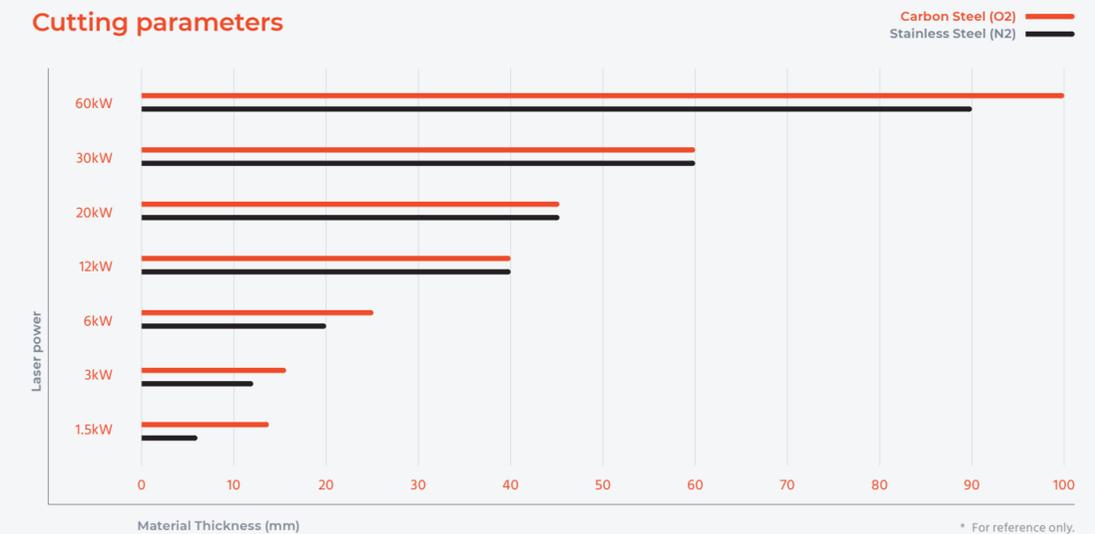
Our careful cable assembly guarantee a clear separation of power levels to reduce interference.

Technical specifications

	C3(3.1)	C3(4.0)	C4	C6	C12
WORKING AREA (mm)	3048×1524	3048×1524	4000×2000	6100 ×2500	12200×2500
LASER POWER	1.5/3/6/12/20kW	3/6/12kW	3/6/12/20kW	6/12/20/30kW	12/20/30kW
POSITIONING ACCURACY (mm/m)	±0.05	±0.05	±0.05	±0.05	±0.05
RE-POSITIONING ACCURACY (mm)	±0.03	±0.03	±0.03	±0.03	±0.03
MAX. ACCELERATION	1.5G	1.5G	1.5G	1.5G	1.5G
MAX. LINKAGE SPEED (m/min)	120	180	110	110	110

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

Cutting parameters



Cutting samples



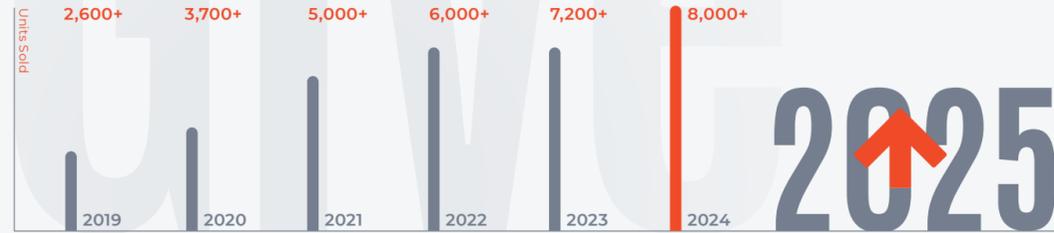
* Certain functions or components mentioned in this document are optional and may not be included in the standard version of the product.



Global No.1 in Sales Volume for 6 Years

2019 – 2024

Bodor has consistently held the top position in global sales volume of laser cutting machines with 1000W and above power for six consecutive years. In 2025, 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



bodor

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C Series

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Global No.1

FOR 6 YEARS IN A ROW



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5 Years of Warranty