

# P Series, All-around Sheet Metal Fiber Laser Cutting Machine

The Bodor P Series sheet metal laser cutting machines are the epitome of cutting-edge laser technology and outstanding performance. Craftsmanship, automation features, and safety measures have been finely tuned in our P Series to provide an unparalleled cutting experience.



## High performance for your high efficiency

### OPERATING SAFETY

Bodor P series equipment prioritizes safety and maintainability with features like collision detection, collision avoidance, automatic cleaning, and intelligent air pressure control.

### HIGH EFFICIENCY

With 4G acceleration and 200m/min linkage speed, the P series equipment improves both operating and resource efficiency and maximizes value creation.

### TOP-NOTCH QUALITY

The P series equipment is dedicated to ensuring product quality and customer satisfaction. Take your production to the next level with intelligent features and laser scanning cutting.

### Laser scanning cutting

This tech offers dynamic beam adjustments for faster speeds, thicker cuts, and reduced adhesions. It is perfect for highly reflective materials, like aluminum, copper, brass etc.

### Visual collision avoidance

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

### Automatic kerf width compensation

By capturing kerf image data, our system automatically compensates the kerf width and optimizes the cutting process.

### Nesting software compatible with Tekla

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

### Active obstacle avoidance system

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

### Intelligent remnant layout

The built-in camera in the cutting system captures images of the remnant and arranges shapes based on available space. Enjoy the considerable cost savings that come with improved utilization.

### Cutting parameter automatch

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

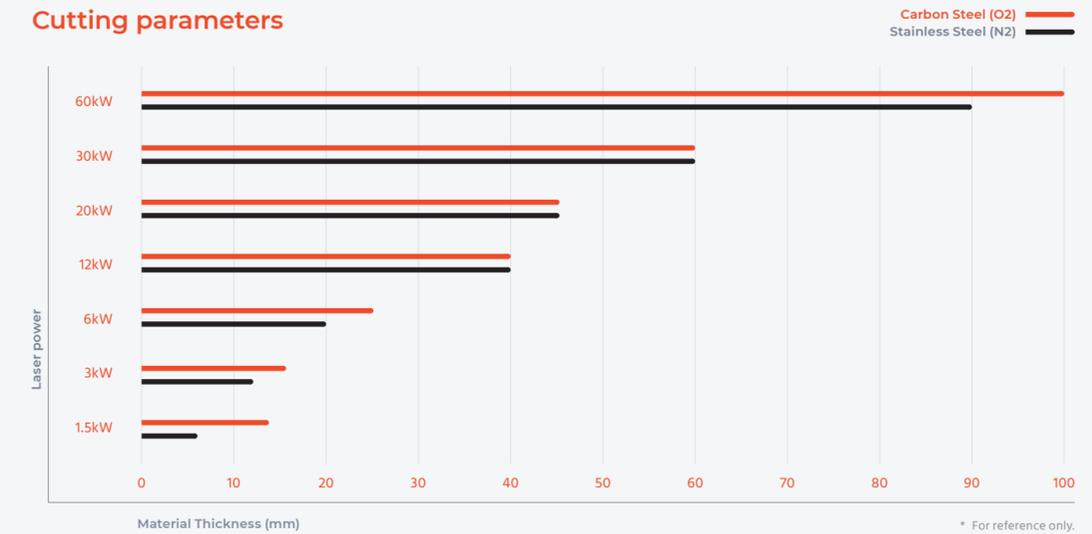
### Excellent bevel cuts

The bevel cutting option enables the production of +/- 45 degree bevel cuts, optimizing assembly procedures and subsequent welding.

Technical specifications	P3	P4	P6	P8	P12
WORKING AREA (mm)	3048×1524	4000×2000	6500×2500	8050×2500	12500×2600
LASER POWER	3/6/12/20/30/60kW	6/12/20/30/60kW	12/20/30/60kW	20/30/60kW	12/20/30/60kW
POSITIONING ACCURACY (mm/m)	±0.05	±0.05	±0.05	±0.05	±0.05
RE-POSITIONING ACCURACY (mm)	±0.02	±0.03	±0.03	±0.03	±0.03
MAX. ACCELERATION	4G	4G	2.8G	2.8G	2.8G
MAX. LINKAGE SPEED (m/min)	200	200	200	200	200

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

## Cutting parameters



## Cutting samples



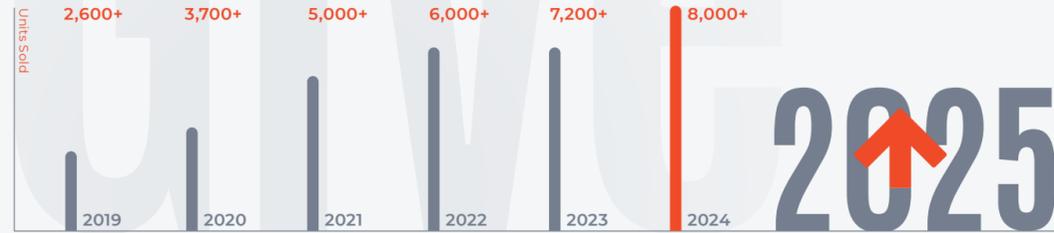
\* Certain functions or components mentioned in this document are optional and may not be included in the standard version of the product.



## 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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# P Series

All-around sheet metal fiber laser cutting machine

## Global No.1

FOR 6 YEARS IN A ROW



bodor | No.1

5 Years of Warranty