

# 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

### USER-FRIENDLY OPERATION

Simplified operations with one-second edge finding and intuitive touchscreen for seamless integration.

### SUPERCHARGED PRODUCTIVITY

Turbocharge productivity with automated cutting, saving time and enhancing efficiency

### SAFETY FIRST

Prioritize safety and maintainability with collision detection, collision avoidance, automatic cleaning, and intelligent air pressure control.

### RESOURCE EFFICIENCY

Minimizes waste, optimizing resources to reduce costs, environmental impact, and maximize value creation.

### TOP-NOTCH CUTTING QUALITY

Prioritize quality cutting, ensuring accurate products, minimizing waste for customer satisfaction, and enhancing production efficiency.

### Active obstacle avoidance system

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

### One-second edge finding

One-second edge finding ensures rapid material positioning and focus calibration.

### Automatic nozzle changer

The machine provides automated nozzle cleaning and changing without any human intervention.

### 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.

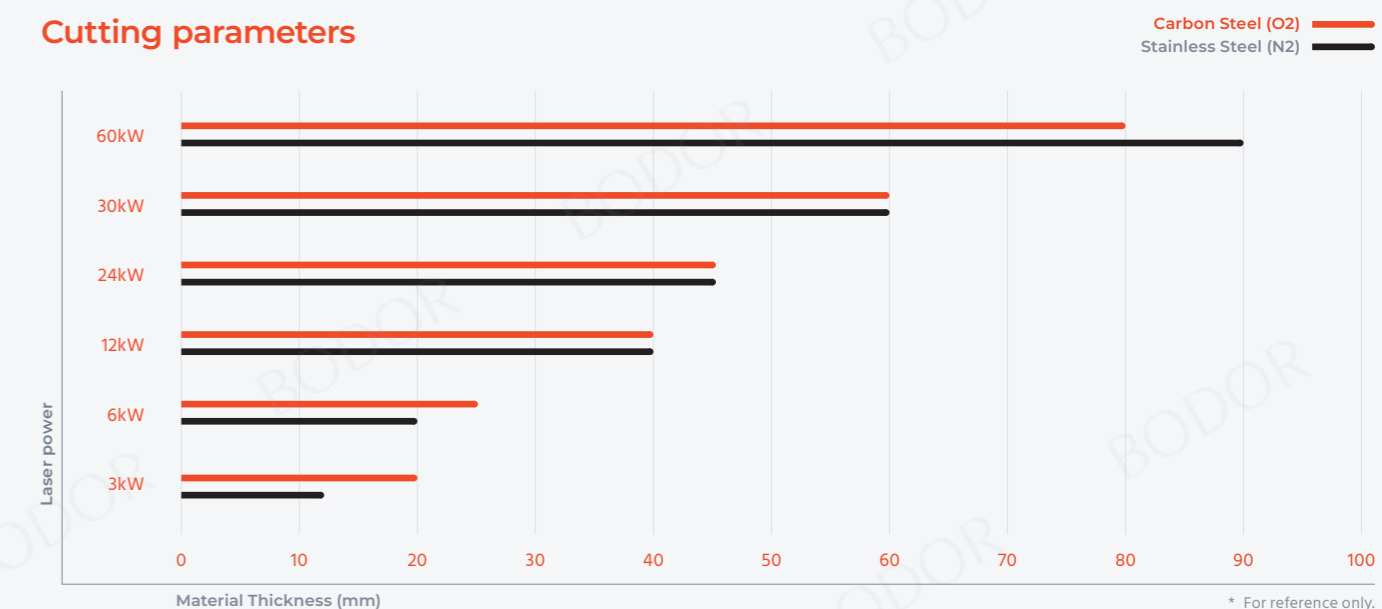
### Excellent bevel cuts

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

Technical specifications	P3	P4	P6	P12
WORKING AREA (mm)	3048×1524	4000×2000	6500×2500	12500×2600
LASER POWER	3/6/12/24/30/60kW	3/6/12/24/30/60kW	6/12/24/30/60kW	12/24/30/60kW
POSITIONING ACCURACY (mm/m)	±0.05	±0.05	±0.05	±0.05
RE-POSITIONING ACCURACY (mm)	±0.02	±0.03	±0.03	±0.03
MAX. ACCELERATION	4G	4G	2.8G	2.8G
MAX. LINKAGE SPEED (mm/min)	200	200	200	200

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

## Cutting parameters



## Cutting samples



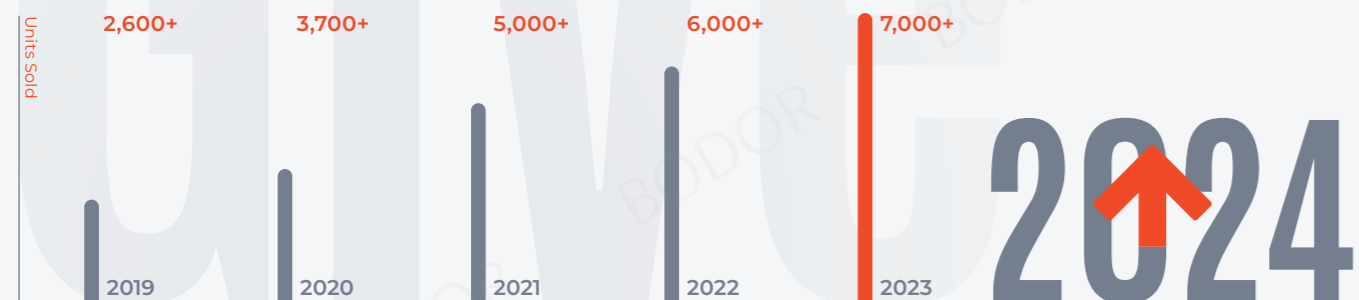
\* Certain functions or components mentioned in this document are optional and may not be included in the standard version of the product.



## 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



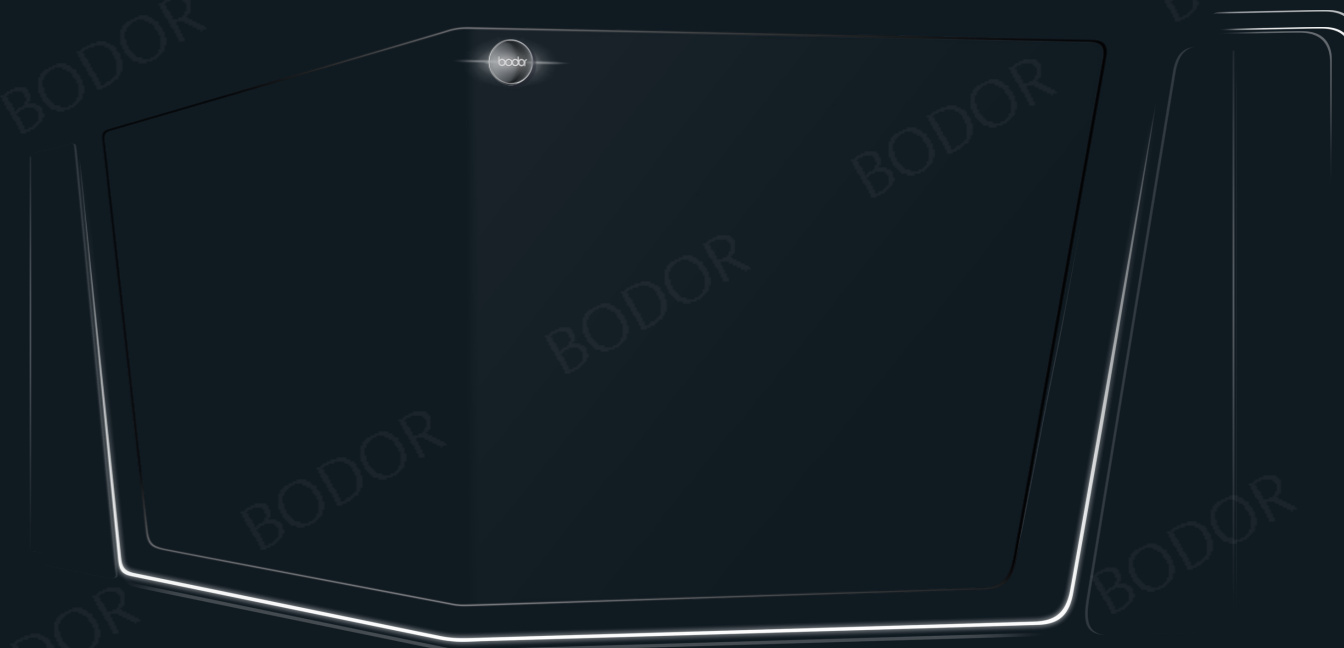
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# P Series

All-around sheet metal fiber laser cutting machine

# bodor



5 Years of Warranty

WORLD NO.1 FOR 5 YEARS IN A ROW

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