

i Series, Compact Sheet Metal Cutting Machine

Explore where functionality meets space-saving.



Big things come in small packages

COMPACT, FLEXIBLE DESIGN

i series increases productivity of your production line without requiring much space. The system has been designed to take up as little floor space as possible.

ECO-FRIENDLINESS

The fully enclosed design leads to more economical processing and faster performance, with a much lower power consumption.

EFFICIENCY

i series' compact system demonstrates high productivity thanks to Bodor's intelligent functions, as they optimize material flow, boost output, and increase the operating safety of the production line.

www.scottmachinery.com



Active obstacle avoidance system

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



Anti-burning mineral casting plate

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



Overheating offset

To stabilize laser beam focal point during the cutting process, this function counteracts the adverse effects of overheating by adjusting time and temperature. It is especially applicable to cutting thick sheet metal.



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.



Intelligent remnant layout

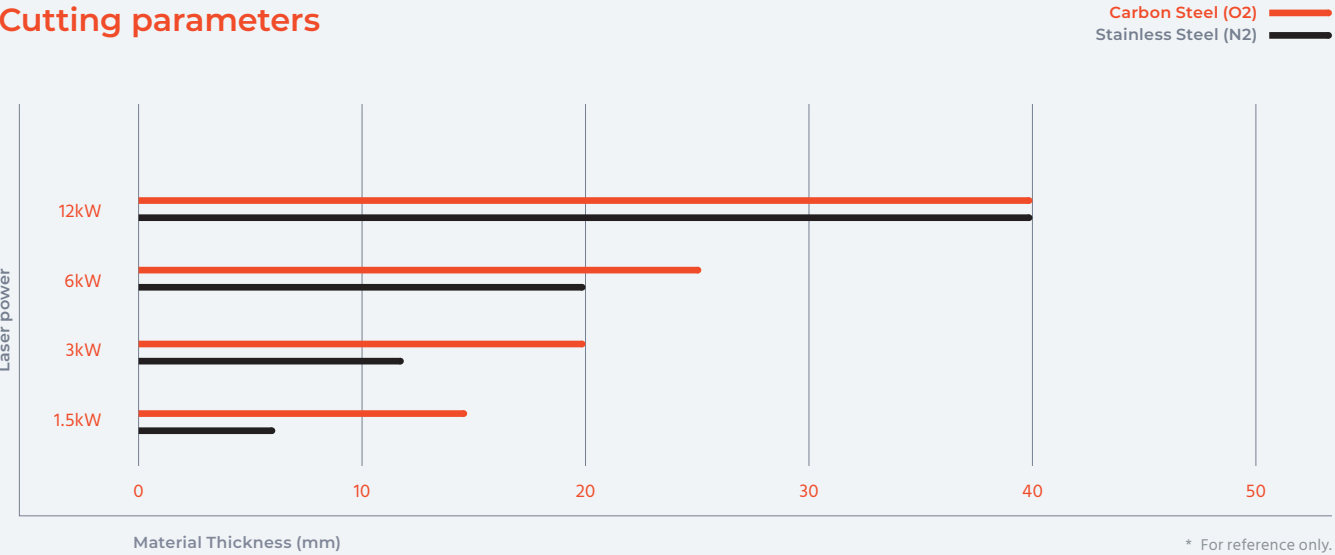
With uploaded pictures, the machine can automatically finish positioning and nesting, achieving material utilization rate at maximum.

Technical specifications

| | i5 | i6 | i7 |
|-------------------------|------------|------------|--------------|
| WORKING AREA | 39x59" | 78"x39" | 120"x60" |
| LASER POWER | 1.5/3/6kW | 1.5/3/6kW | 1.5/3/6/12kW |
| POSITIONING ACCURACY | ±0.001968" | ±0.001968" | ±0.001968" |
| RE-POSITIONING ACCURACY | ±0.001181" | ±0.001181" | ±0.001181" |
| MAX. ACCELERATION | 1.5G | 1.5G | 1.5G |
| MAX. LINKAGE SPEED | 3582"/min | 3582"/min | 3582"/min |

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

Cutting parameters



* For reference only.

Cutting samples

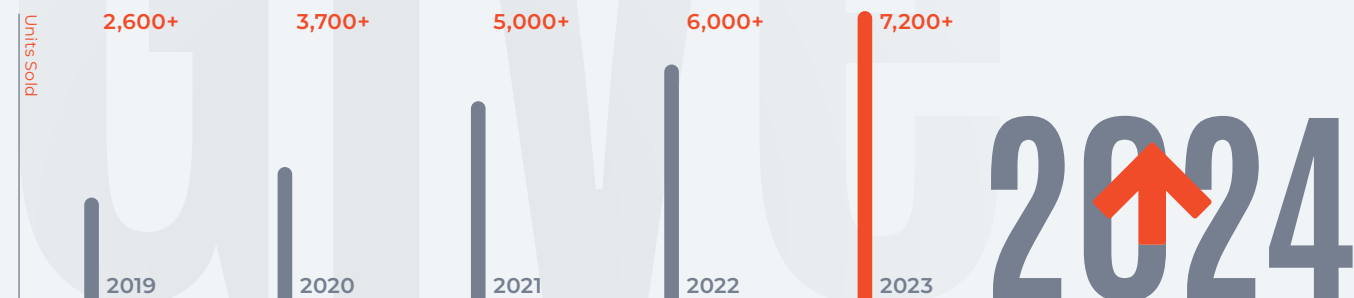


* Certain functions or components mentioned in this document are optional and may not be included in the standard version of the product.



World's No.1 in Sales Volume for 5 Years 2019 – 2023

Bodor has consistently held the top position in global sales volume of laser cutting machines with 1000W and above power 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

SALES@BODOR.COM BODOR.COM

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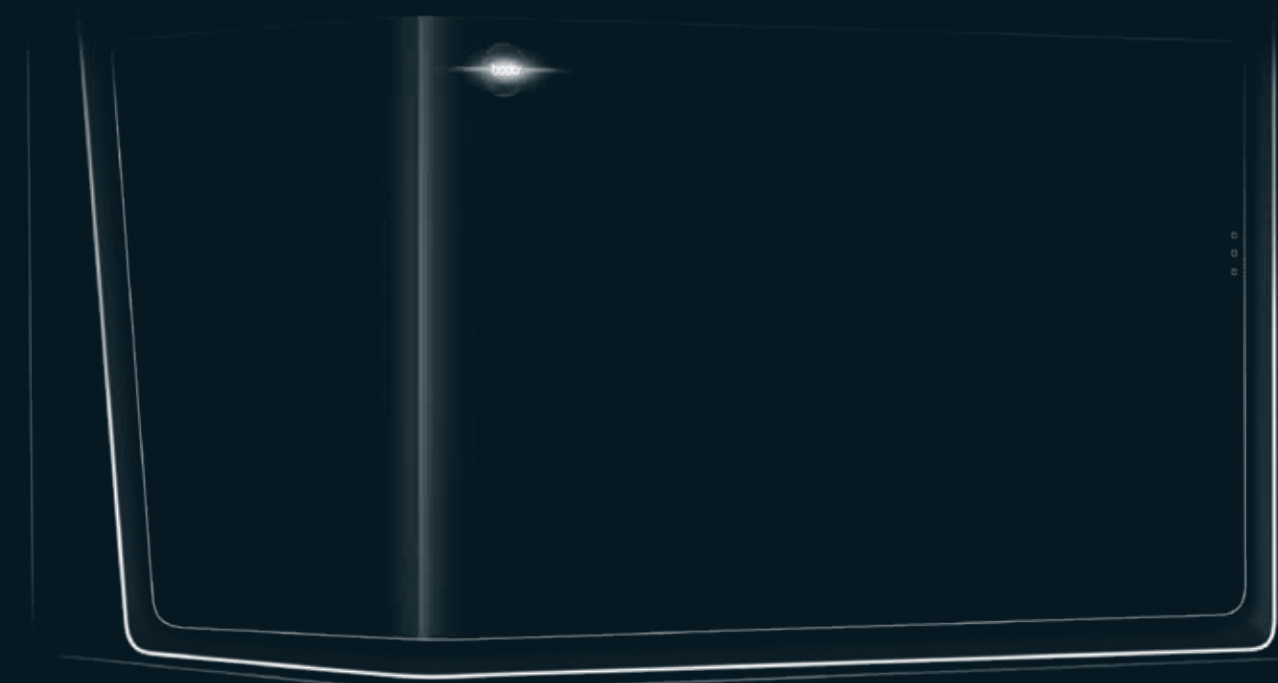
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WORLD NO.1 FOR 5 YEARS IN A ROW

bodor