

i series

Sheet fiber laser metal cutting

Lightweight model



ISO OERLIKON AG Schweisstechnik

CH-5737 Menziken AG - Tel. +41 (0)62 771 83 05

E-Mail info@iso-oerlikon.ch - www.iso-oerlikon.ch

Flash of inspiration Combination of technology and aesthetic

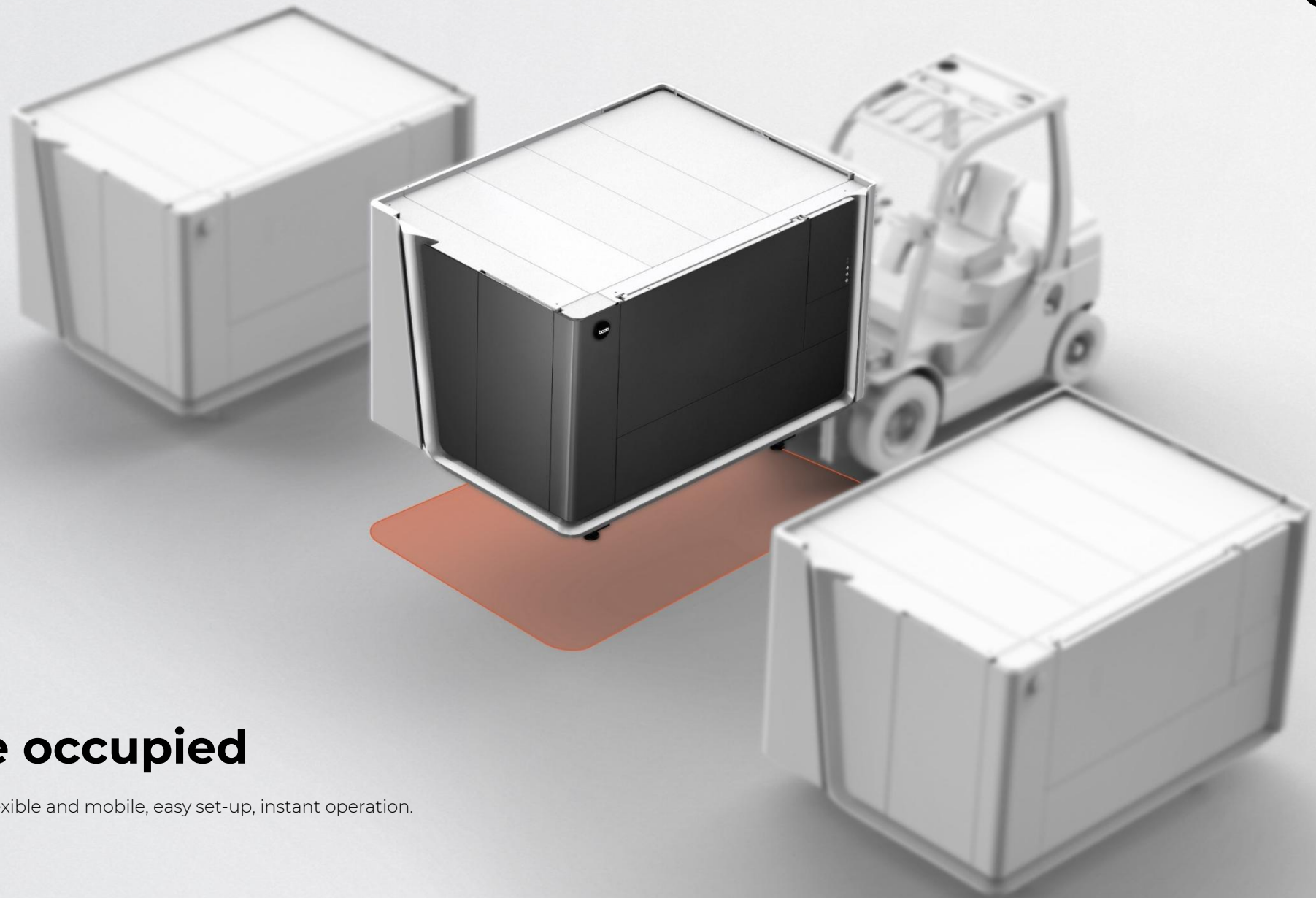
Passing on Bodor family L-line heritage



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Symbolic Bodor design philosophy





Less space occupied

Compact and lightweight, flexible and mobile, easy set-up, instant operation.



Fully enclosed

Preventing the spread of smoke and dust, energy saving and eco-friendly;
Seperating human and machine, safe and reliable.



Comprehensive performance improved by **30%**
relative to the last generation

Maximum acceleration up to **1.5G**

Adopting high performance bus servo motor to achieve the absolute leading dynamic performance
(compared with similar products in the market).
Significantly improve processing efficiency to maximize the value you can create in every second.

The latest 3rd generation mortise and tenon welded bed

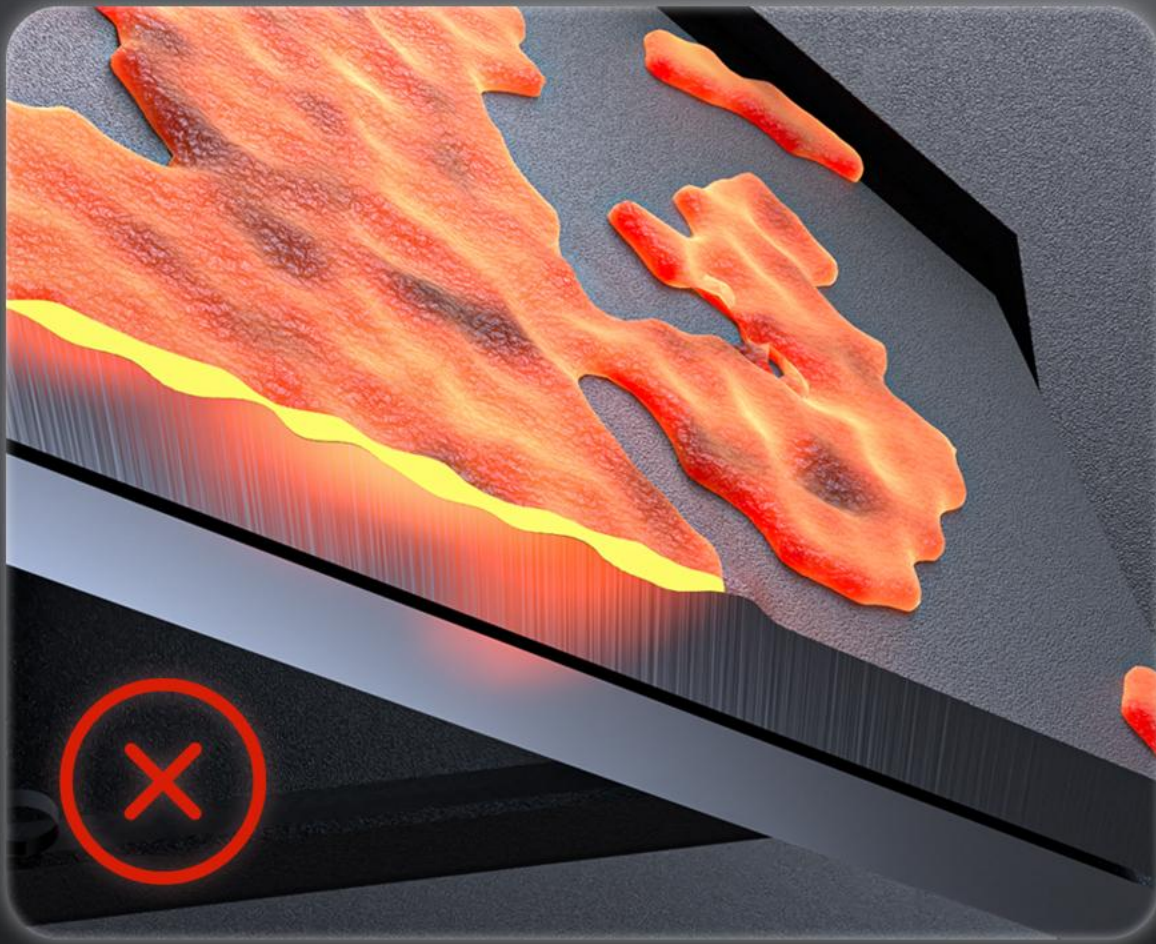
30%

Structural strength enhanced by

25%

Rigidity enhanced by





Mineral casting anti-burning plate

Easy slag clean-up, long service life: compared with anti-burning cast iron and anti-burning steel plate, it is less prone to deformation, flexible in size, and can perfectly protect the whole body of the machine.

Laser head **active obstacle avoidance**

Self-developed servo-following sensing and paths avoidance algorithm, significantly reduce the risk of laser head collision caused by workpiece warping



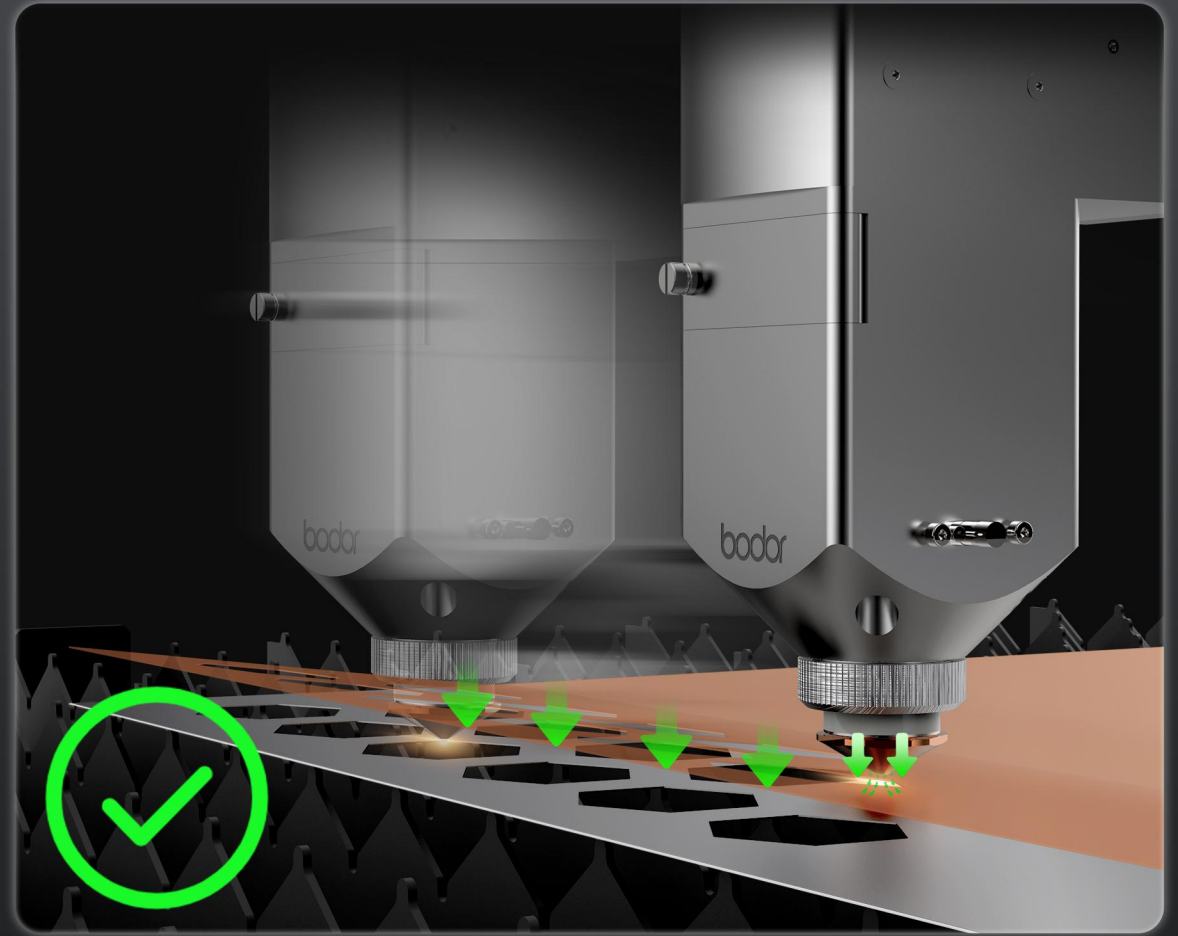
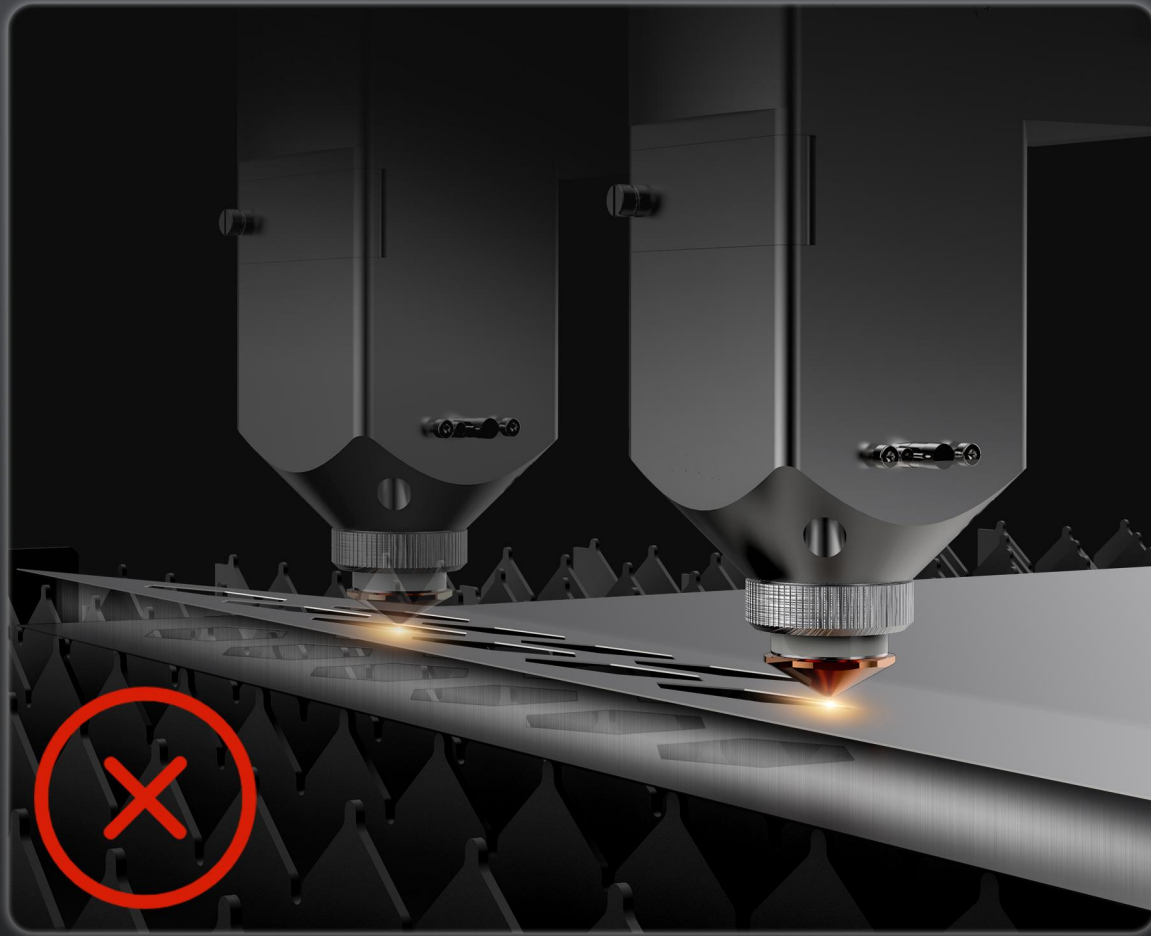


Plate edge anti-vibrating cutting

Through the automatic adjustment of servo-following sensitivity, it is able to adapt to the high frequency vibration of thin plate due to air pressure and reduce the rate of defective products. Automatic adjustment of vibration function particularly for thin plate cutting.



Technical processing sharing

Accessories online store

Auxiliary operation

Equipment real time monitoring

Regular maintenance reminder

One click malfunction report

Bodor+

A new interactive platform for the industrial laser technology and the IoT (Internet of Things)

Integrating functions such as sharing, auxiliary operation, real-time monitoring of equipment, regular maintenance reminder, parts online purchase, and one-click failure reporting create a new ecology of full-service laser processing technology

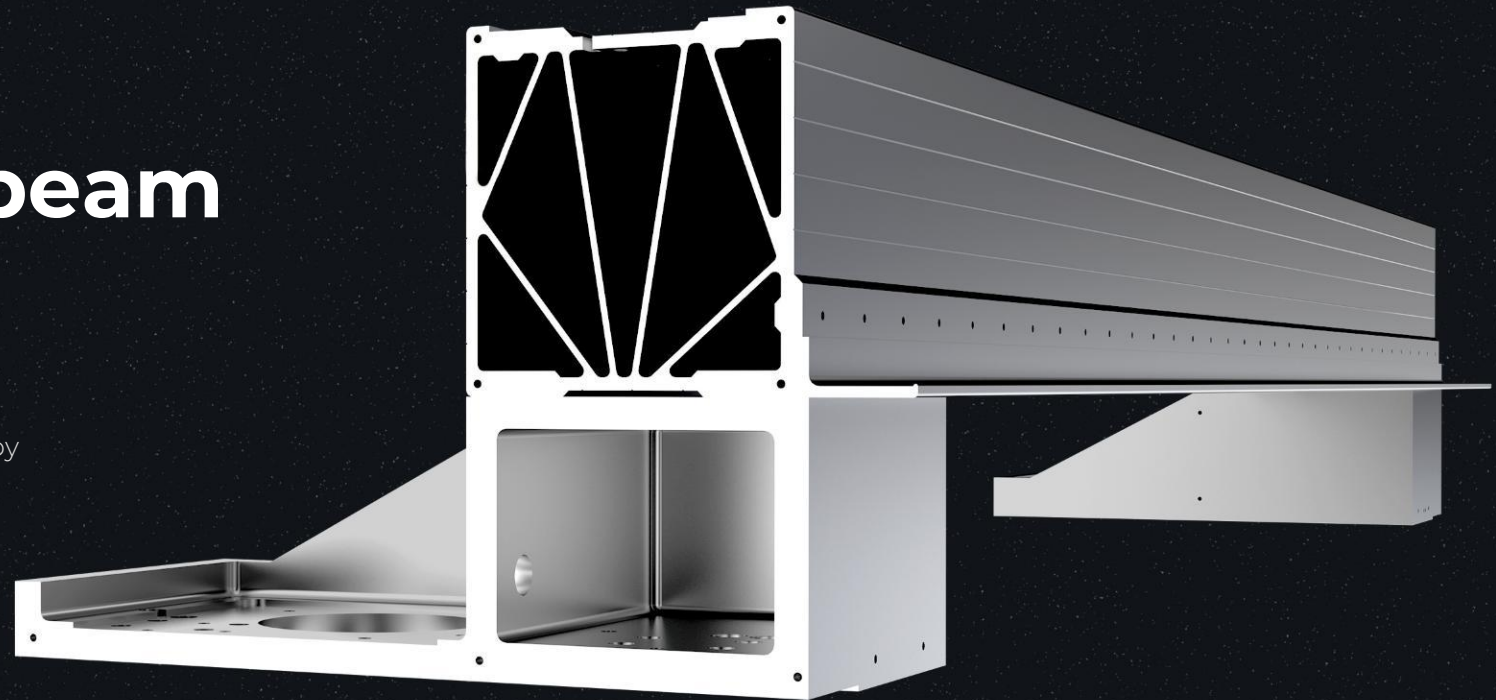
Aircraft-grade aluminum crossbeam

25%

Structural strength enhanced by

30%

Weight reduced by



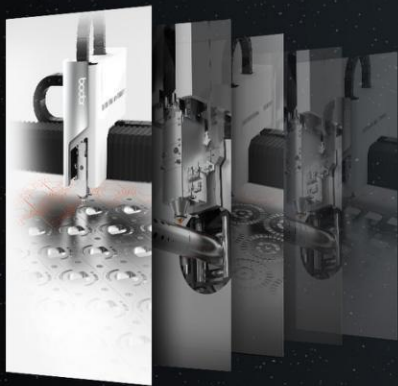
Bodor

Six-in-one laser technology full ecology

Fully self-developed BodorThinker control system, BodorNest nesting software, BodorGenius laser head and BodorPower laser source matched with MES system and BodorDrive drive system, enabling stable operation of the machine, with premium quality cuts and incredible working efficiency.



BodorThinker
Central control system



BodorNest
Nesting software



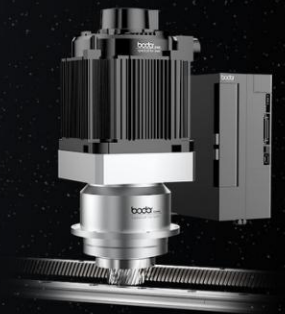
BodorGenius
Laser head



BodorPower
Laser source



BodorMES
Intelligent production
management software



BodorDrive
Drive system

Self-developed BodorPower laser

marks we have achieved the complete autonomy of developing the core components of laser equipments.



Being the core component of a laser equipment, the laser is like the engine of a car, or the CPU of a cell phone.

Over the years, laser manufacturing has been monopolized by overseas and a few domestic top-tier device manufacturers. With domestic laser enterprises only outsourcing lasers, core components quality is highly restricted and cannot be guaranteed. Bodor dares to be the pioneer to tackle the challenges of developing our own lasers, and significantly improves the efficiency of devices, bringing better processing experience for customers. own lasers, and significantly improves the efficiency of devices, bringing better processing experience for customers.

Bodor has put self-developed BodorGenius laser head in mass production.

The power ranging from 1500W to 50000W



At the final stage of laser output, laser head is critical and a determining factor to the processing quality and the efficiency of laser equipment. Bodor's self-developed laser head is equipped with multiple intelligent functions, and allow us the great confidence in "bringing our products with premium using experiences to the customers across the globe."



Bodor self-developed BodorThinker operating system

brings intelligent human-machine interactive experiences to our users.

Typically, complete machine manufacturers tend to install outsourced operating systems on their machine tools, which is akin to "installing someone else's head on their own body" - the poor compatibility between software and the hardware inevitably results in frequent mechanical failure

Software development is a bumpy journey. However, Bodor has been determined to develop our own operating system, starting from writing the "source code". It takes 5 years of relentless dedication for BodorThinker operating system to be successfully developed.

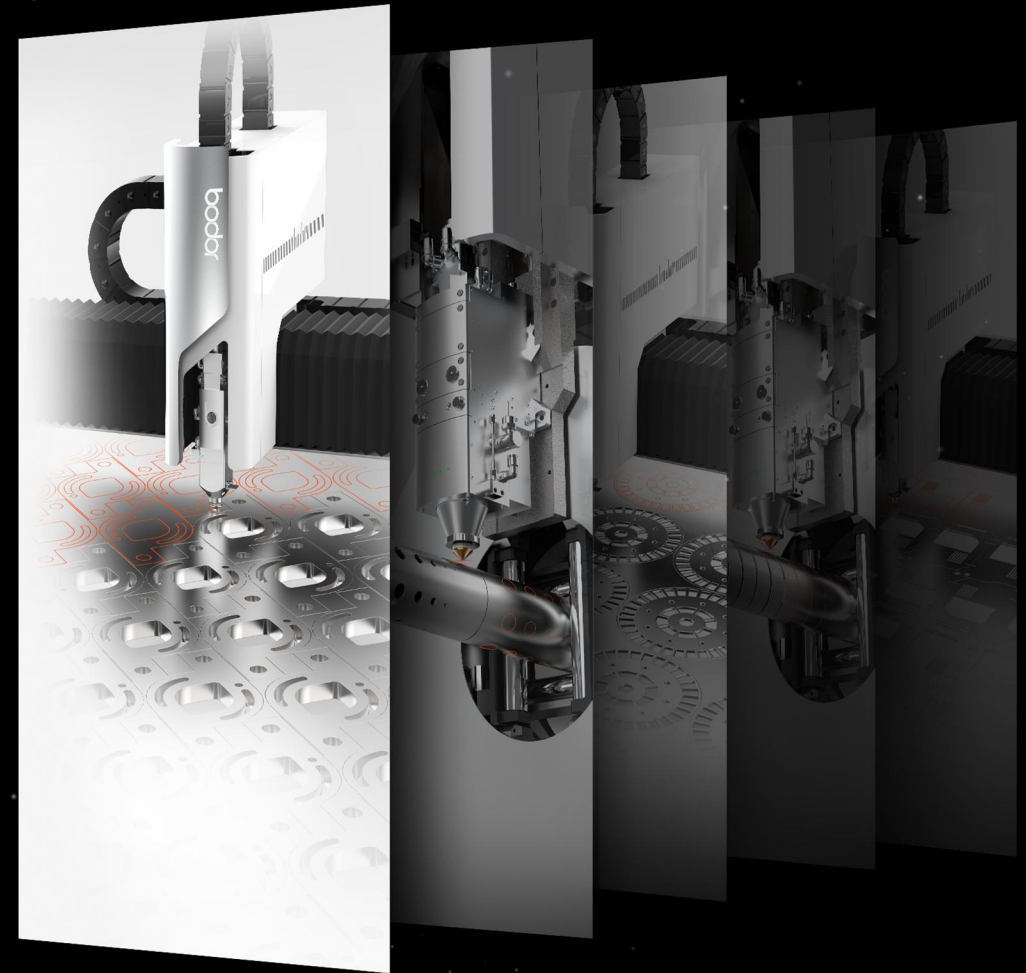
The autonomous operating software matched with self-developed hardware enables the smooth running of the equipments.

BodorNest, Bodor's self-developed nesting software has been successfully launched,

which achieves a perfect loop of nesting, system control and cutting optical path.

BodorNest nesting software is developed by BODOR CAMsoftware team with rich industry experience and 8 years of dedication.

BodorNest brings the efficiency of nesting operation to the next level and maximizes the utilization of plates and tubes.



Bodor self-developed Bodor MES system, a great helper in building “smart factory”

In recent years, Chinese manufacturing has grown fast

Yet, the conventional factory management method system is relatively sloppy, with high labor cost and low efficiency, which is in urgent need of upgrades and transformation.

Bodor self-developed MES system is able to provide a “smart factory” visualization management platform, which further promote an all-round digital transformation of factory, bringing the conventional workshop into digital era.

Material Maintenance

Production Management

Equipment Management

MES

Customer Management

Warehouse Management

Cost Analysis

Order Management





Bodor self-developed BodorDriver drive system

With a near-perfect inertia ratio through rigorous mechanical calculations, BodorDriver guarantees the performance and stability of the core components of driving system. Compared with outsourced standard counterparts, BodorDriver is more compatible with the high-speed reciprocating motion characteristic of laser cutting equipments.

MANGO **Wireless touch control handle**

Supports one-handed operation and comfortable grip

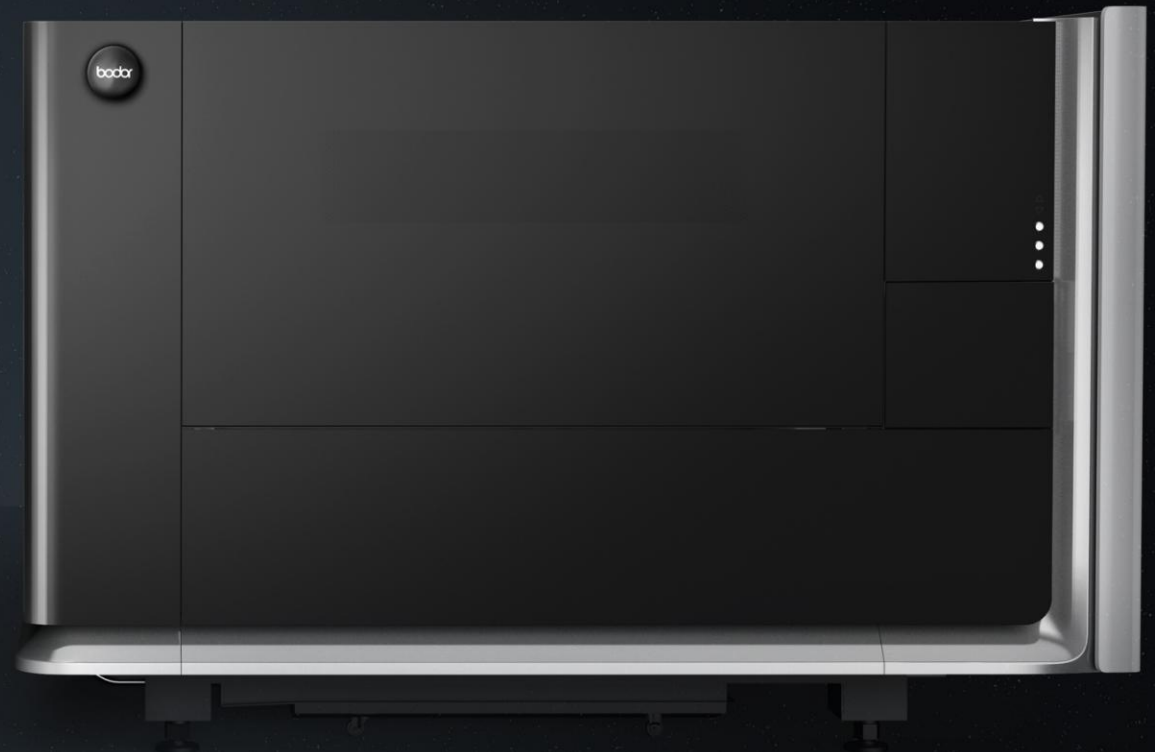
It can be attached to any sheet metal, and detachable at your disposal.

Reset the aesthetic standard in the era of intelligence and IOT.



i series Function¶meter List

	i7	i5
Working area	3048mm*1524mm	1000mm*1500mm
Max. linkage speed	91m/min	91m/min
Table load bearing	900KG	250KG
Positioning accuracy	±0.05mm/m	±0.05mm/m
Repositioning accuracy	±0.03mm	±0.03mm
Max. acceleration	1.5G	1.5G
High quality Cutting Expert Database	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remnant Typesetting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active anti-collision function	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Intelligent anti-shake	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



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Dare to dream



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