
A series
Economical
Single-platform fiber laser cutting machine

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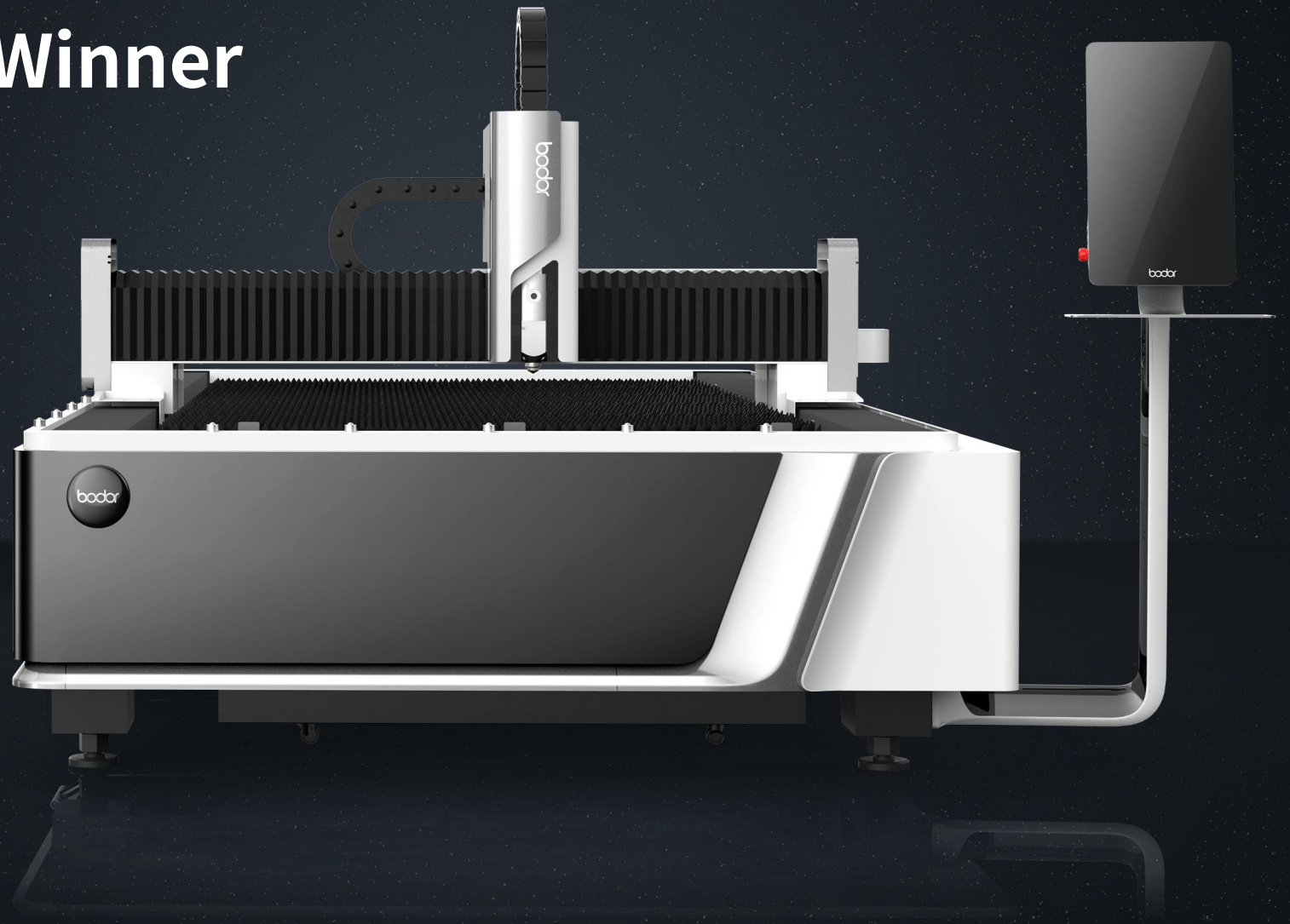
iF Design Award Winner

The most sought-after model

DESIGN AWARD 2021

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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.
*Relative to the last generation

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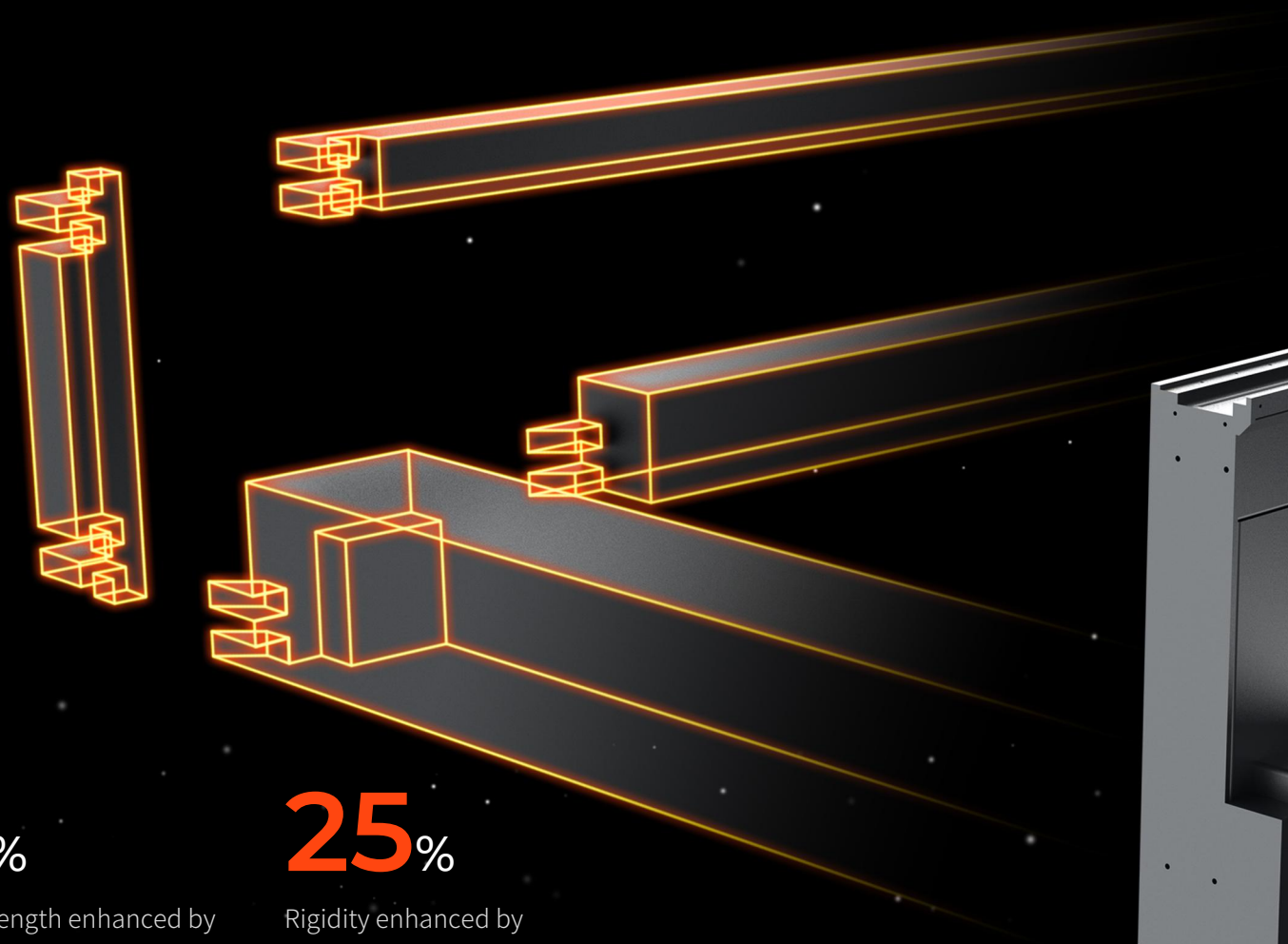

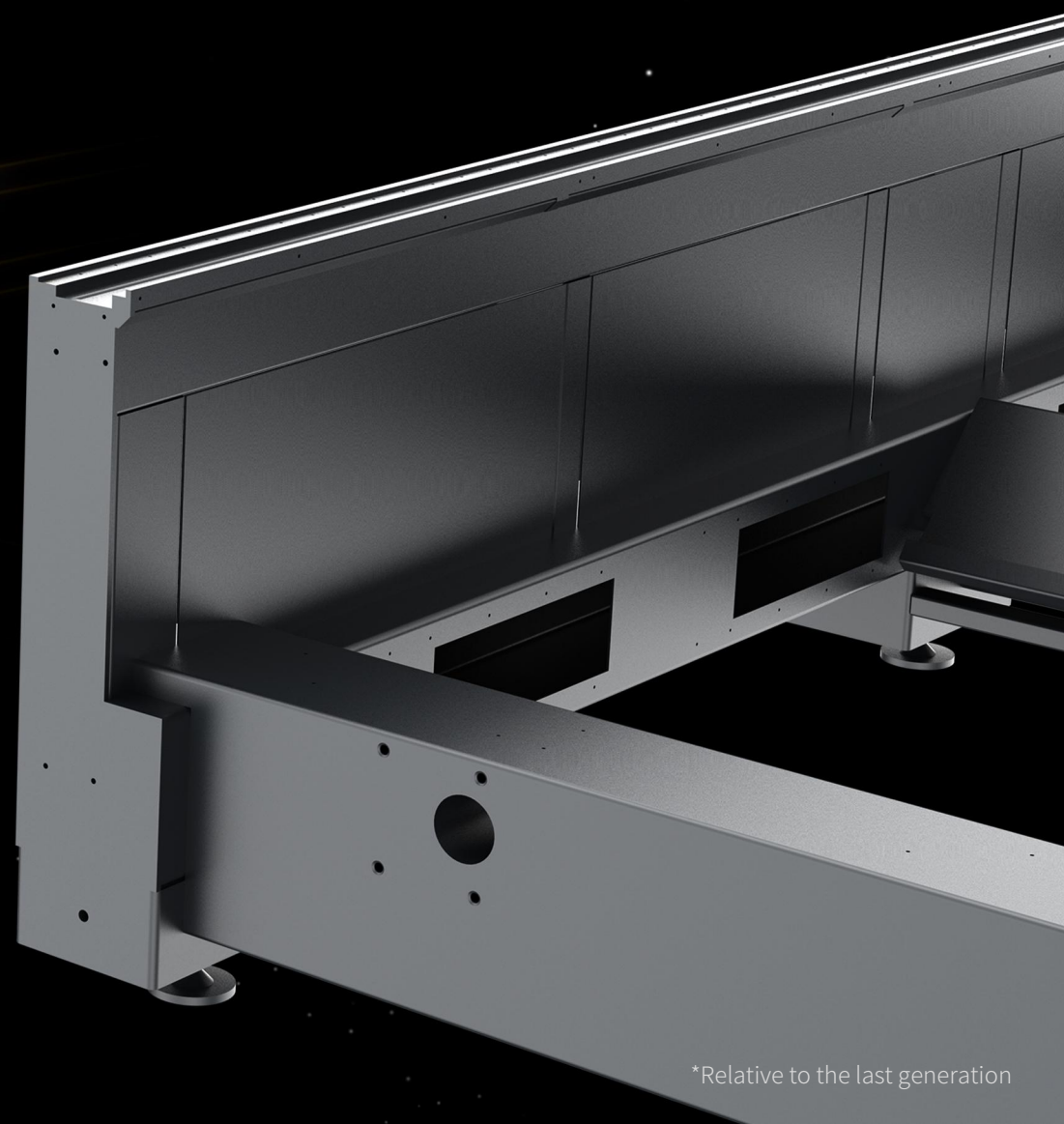

30%
Structural strength enhanced by

25%
Rigidity enhanced by

The latest 3rd generation mortise and tenon welded bed

*Relative to the last generation

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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

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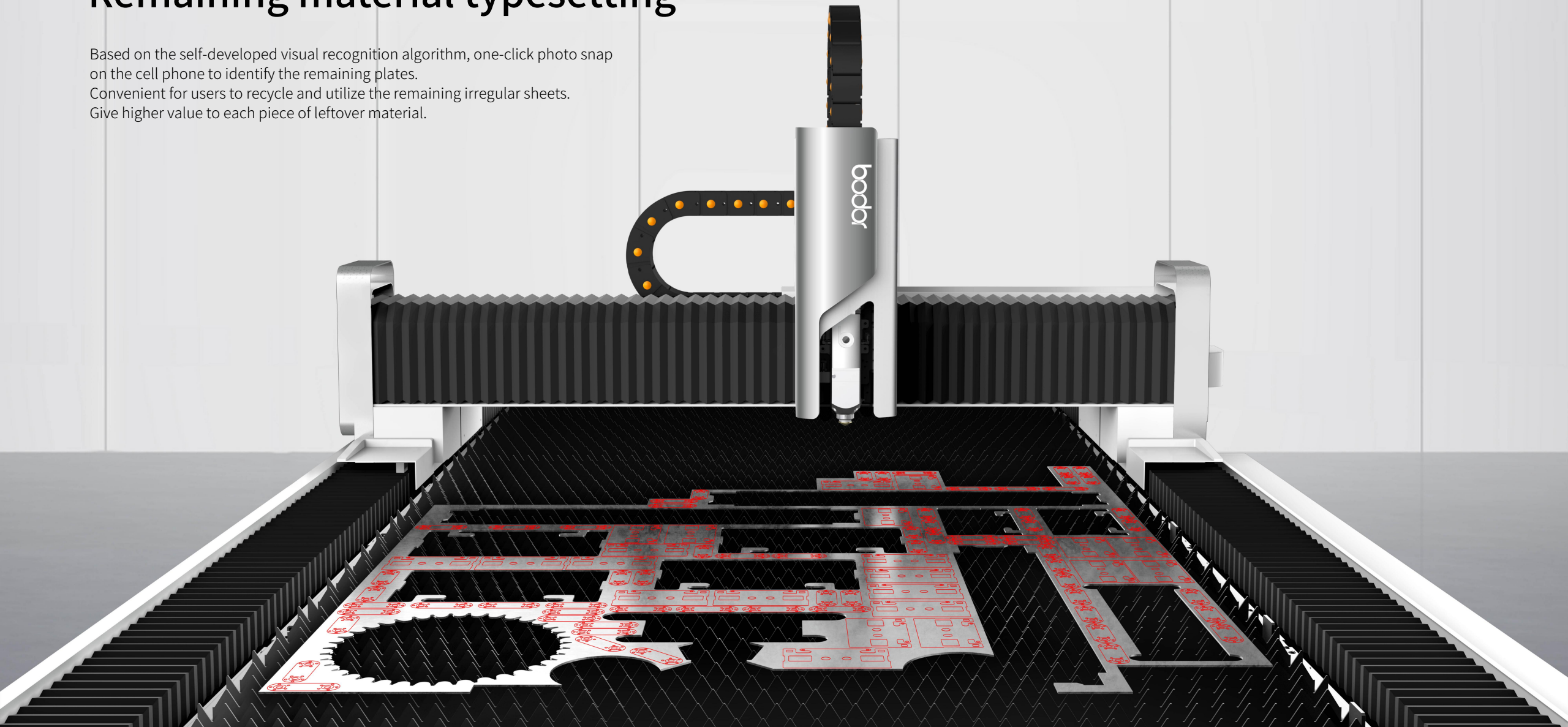
Remaining material typesetting

Based on the self-developed visual recognition algorithm, one-click photo snap on the cell phone to identify the remaining plates.
Convenient for users to recycle and utilize the remaining irregular sheets.
Give higher value to each piece of leftover material.



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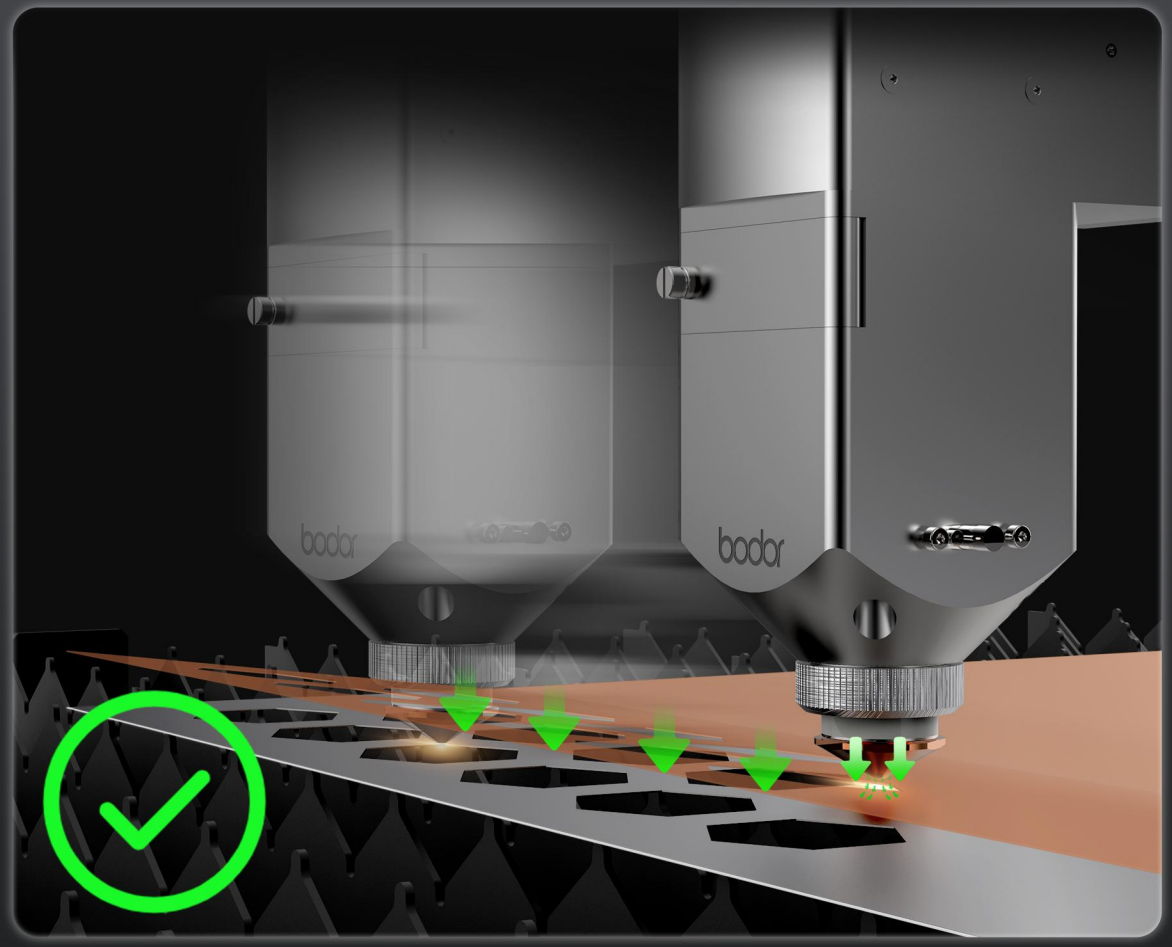

Plate edge anti-vibrating cutting

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 viberation function particularly for thin plate cutting.

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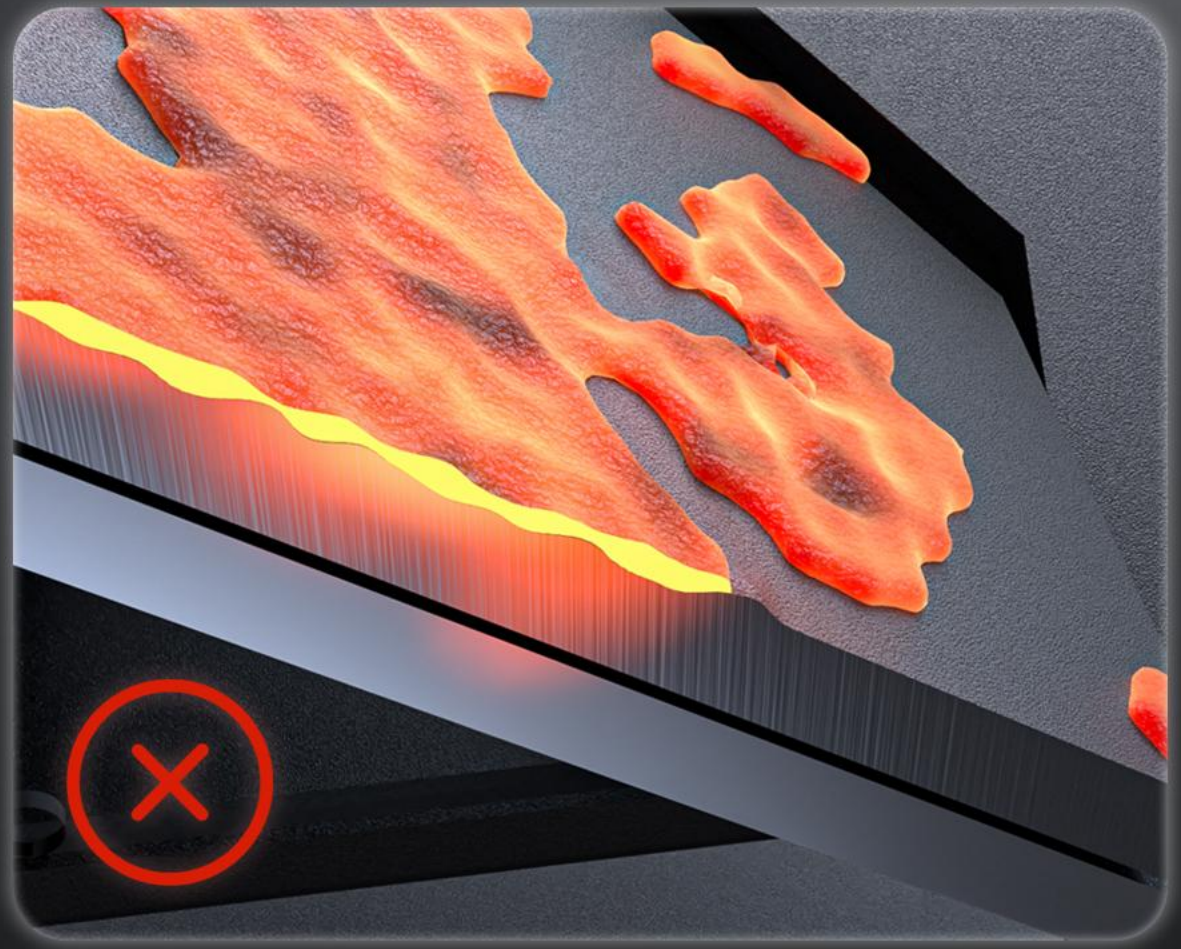

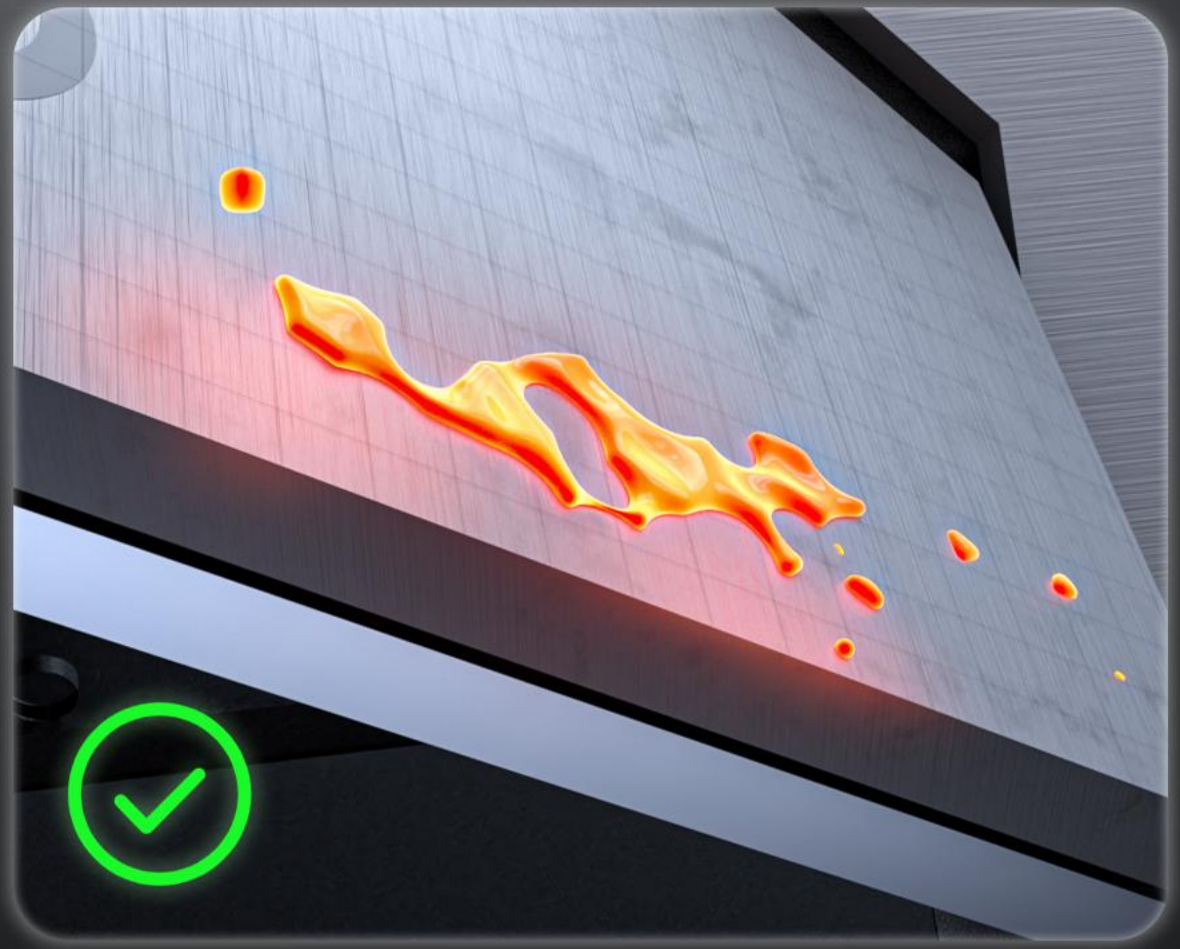

Mineral casting anti-burning plate

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.

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Aircraft-grade aluminum crossbeam

25%
Structural strength enhanced by

30%
Weight reduced by

*Relative to the last generation

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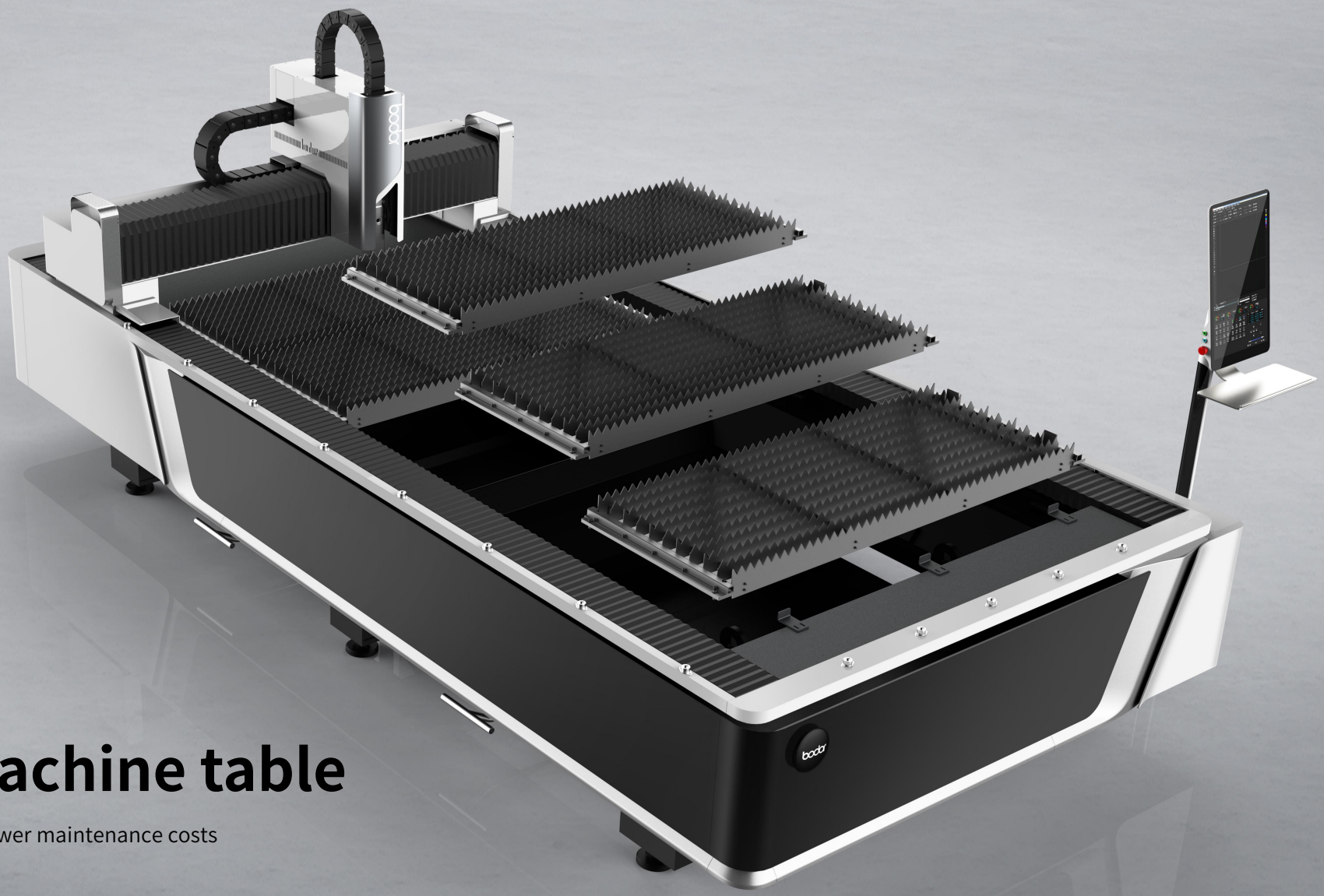

Modular cutting machine table

Pioneering innovation of modular structure table for lower maintenance costs

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Bodor self-devloped BodorThinker operating system

brings intelligent human-machine interactive expereinces to our users.

Typcially, 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 compatability between software and the hardware inevitably results in frequent machanical failure .....

Software development is a bumpy journey. However, Bodor has been determined to devlop our own operating system, starting from writting the "source code". It takes 5 years of reletless dedication for BodorThinker operating system to be successfully developed. The autonomous operating software matched with self-developed hardware enables the smooth ruuning of the equipments.

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Bodor +

A new interactive platform for the industrial lasr 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

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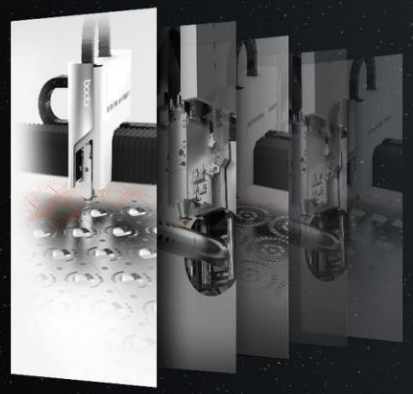
Six-in-one laser technology full ecology

Fully self-devloped 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 quaility cuts and incredible working efficiency.

BodorThinker
Central control system

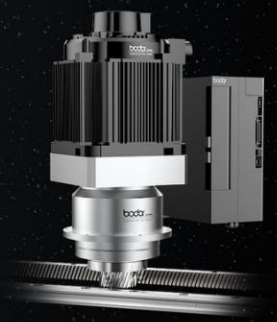


BodorNest
Nesting software

BodorGenius
Laser head

BodorPower
Laser source

BodorMES
Intelligent production management software



BodorDrive
Drive system

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Self-devloped 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 poineer to tackle the challenges of devloping 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.

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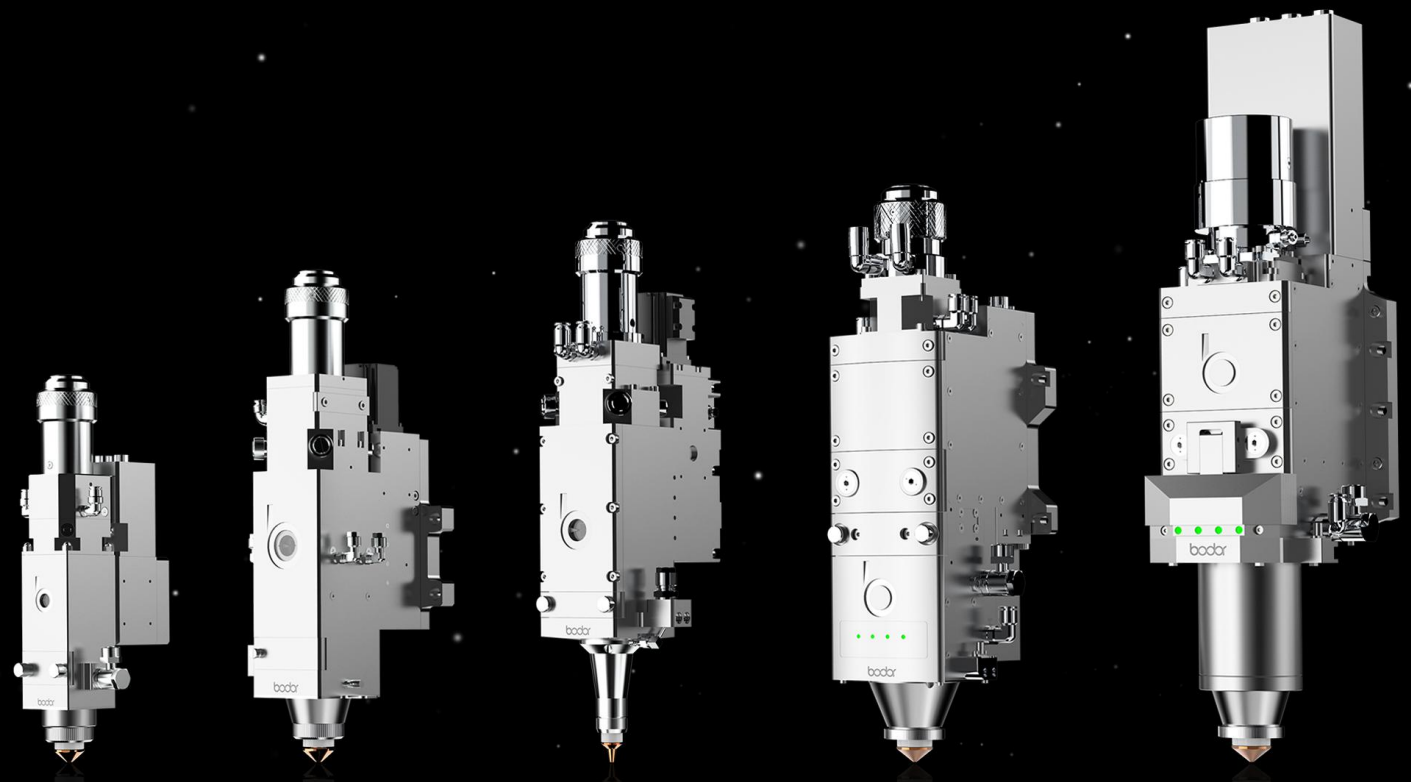
Bodor has put self-developed BodorGenius laser head in mass production.

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 expereinces to the customers across the globe."

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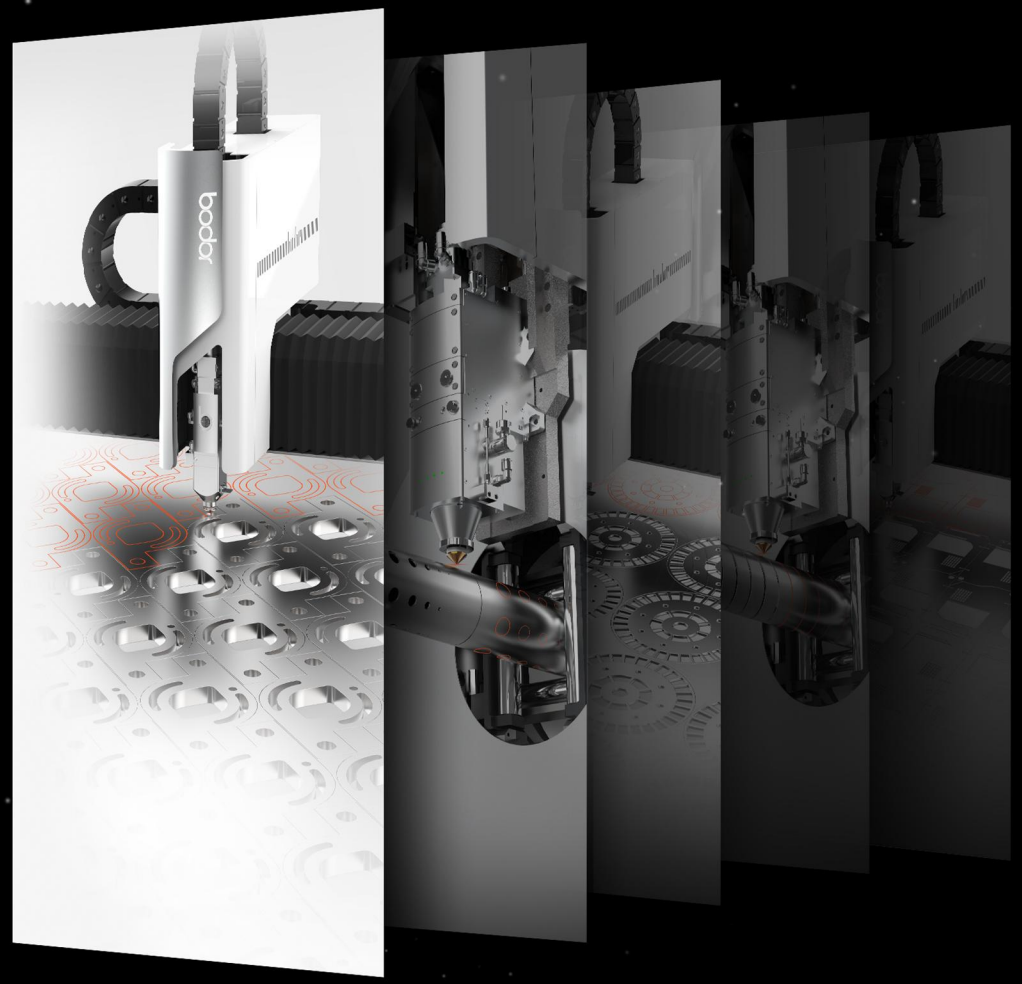
BodorNest, Bodor's self-developed nesting software has been successfully launched,

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

BodorNest nesting software is devloped by BODOR CAM software 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.



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Bodor self-devloped Bodor MES system, a great helper in building “smart facoty”

In recent years, Chinese manufacutring has grown fast
Yet, the coventional 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-devloped MES system is able to provide a “smart factory” visualization management platform, whcih furtther promote an all-round digital transformation of factory, bringing the conventional workshop into digital era.

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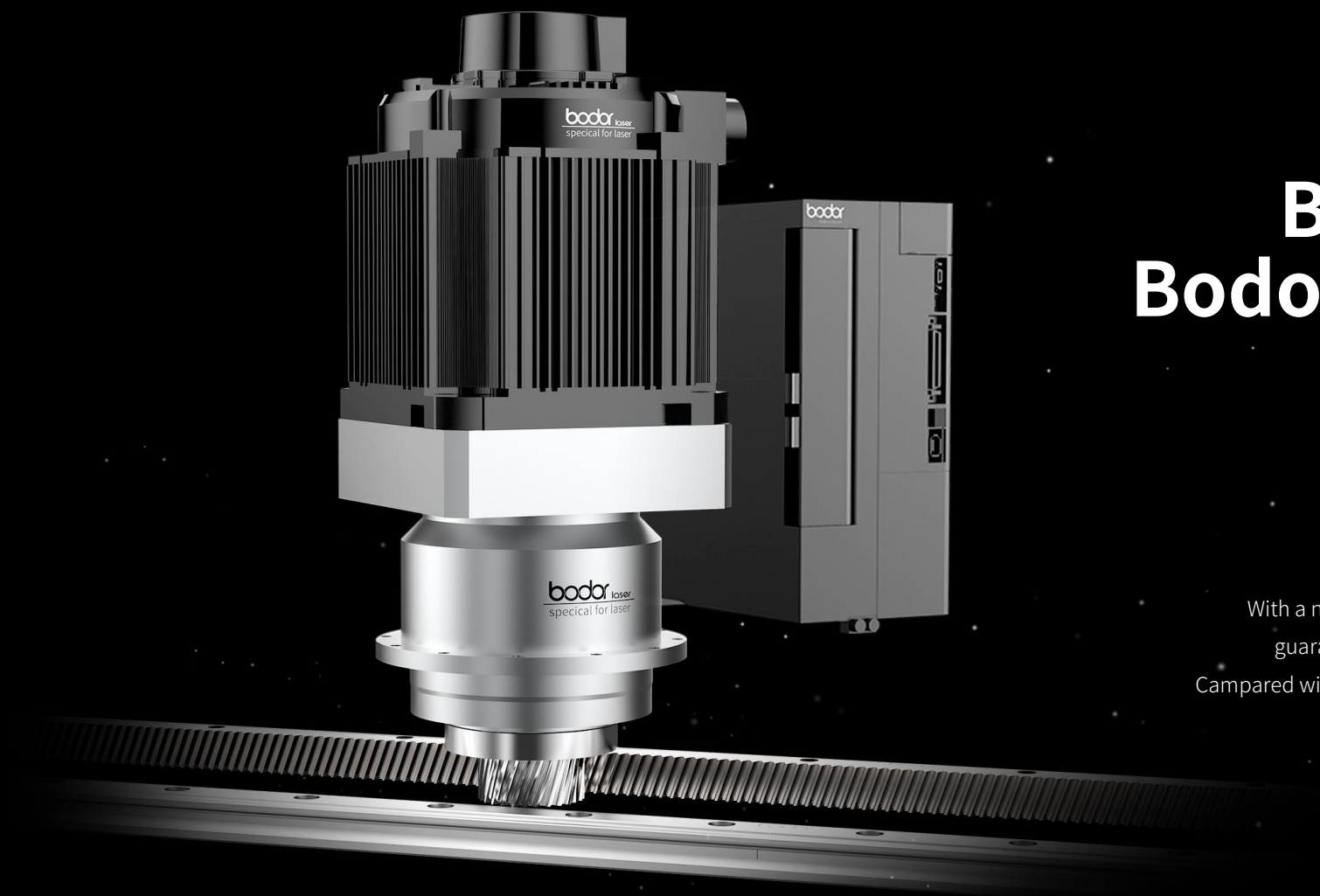

Bodor self-developed BodorDriver drive system

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

(optional)

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Bodor laser scanning cutting machine poineers
a new catagory in the industry

dare to be the fist to break the rules
transform and upgrade Chinese industry as a pathfinder.

What is scanning cutting?

Overturns the coventional processing method of laser cutting since its inception, upgrading static spot cutting to dynamic spot cutting, with the spot traveling 30 meters for every 1 meter cut, tremendously improving the efficiency of laser energy absorption by the processed material.

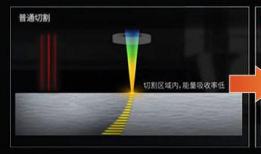
3 innovative features of Scanning cutting

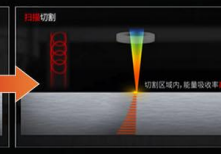
Faster: cutting speed up to 200% increase

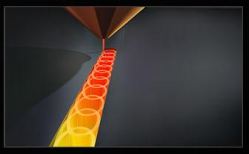
Thicker: cutting thickness up to 150% increase

No fear of high reflection: During scanning cutting, the laser beam comes at tilted angle, which significantly reduces back reflection for highly reflective materials batch cutting

This is another technological breakthrough in the history of human metal cutting tools since the application of laser cutting for decades.


Conventional laser cutting


Laser scanning cutting


Laser scanning cutting principle

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MANGO Wireless touch control handle

Supports one-handed operation and comfortable grip

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

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

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A series Function&parameter List

	A3	A4	A4P	A6	A6P	A8	A12	A14
Working area	3048mm*1524mm	4000mm*1524mm	4000mm*2000mm	6100mm*1524mm	6100mm*2500mm	8050mm*2500mm	12200mm*2500mm	14000mm*3100mm
Max. linkage speed	100m/min	100m/min	100m/min	100m/min	100m/min	100m/min	100m/min	100m/min
Max. acceleration	1.5 G	1.5 G	1.5 G	1.5 G	1.5 G	1.5 G	1.5 G	1.5 G
One-click processing	☑	☑	☑	☑	☑	☑	☑	☑
Remnant Typesetting	☑	☑	☑	☑	☑	☑	☑	☑
Active anti-collision function	☑	☑	☑	☑	☑	☑	☑	☑
Visual collision detection	☑	☑	☑	☑	☑	☑	☑	☑
Intelligent anti-shake of sheet edge	☑	☑	☑	☑	☑	☑	☑	☑
Anti-slag Protection	☑	☑	☑	☑	☑	☑	☑	☑
Air pressure intelligent control					☑ 12KW and above	☑ 12KW and above	☑ 12KW and above	☑ 12KW and above

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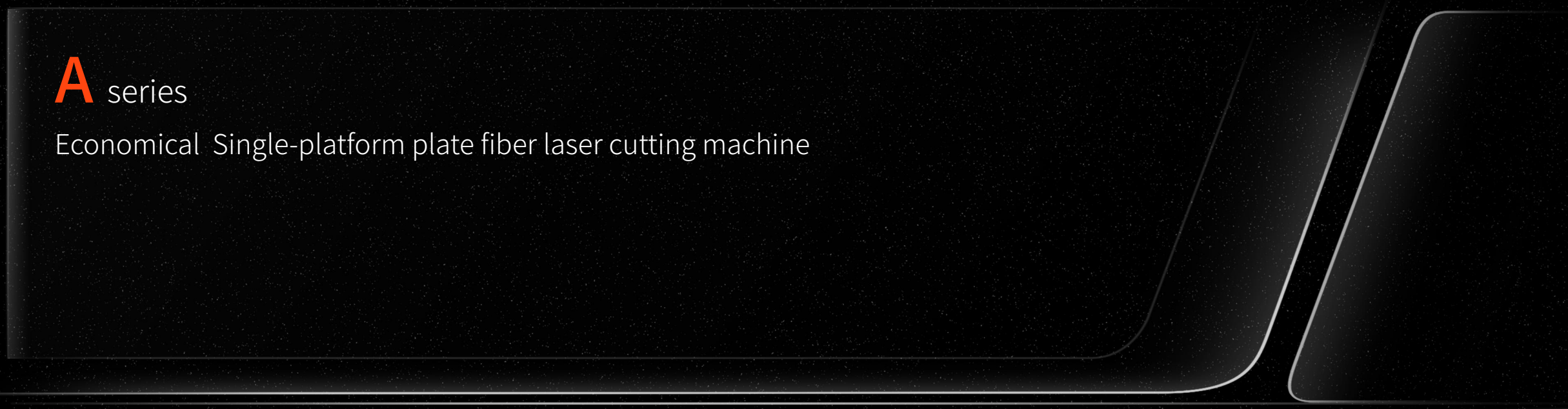

A series

Economical Single-platform plate fiber laser cutting machine

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