KTD (PVT) LTD

INNOVATIVE MACHINE RELIABLE SOLUTION

C series

Economical

Plate laser cutting machine

KTD (PVT) LTD
INNOVATIVE MACHINE RELIABLE SOLUTION

bodor
Dare to dream

The heritage of aesthetics and performance

Unique symoblization of Bodor series

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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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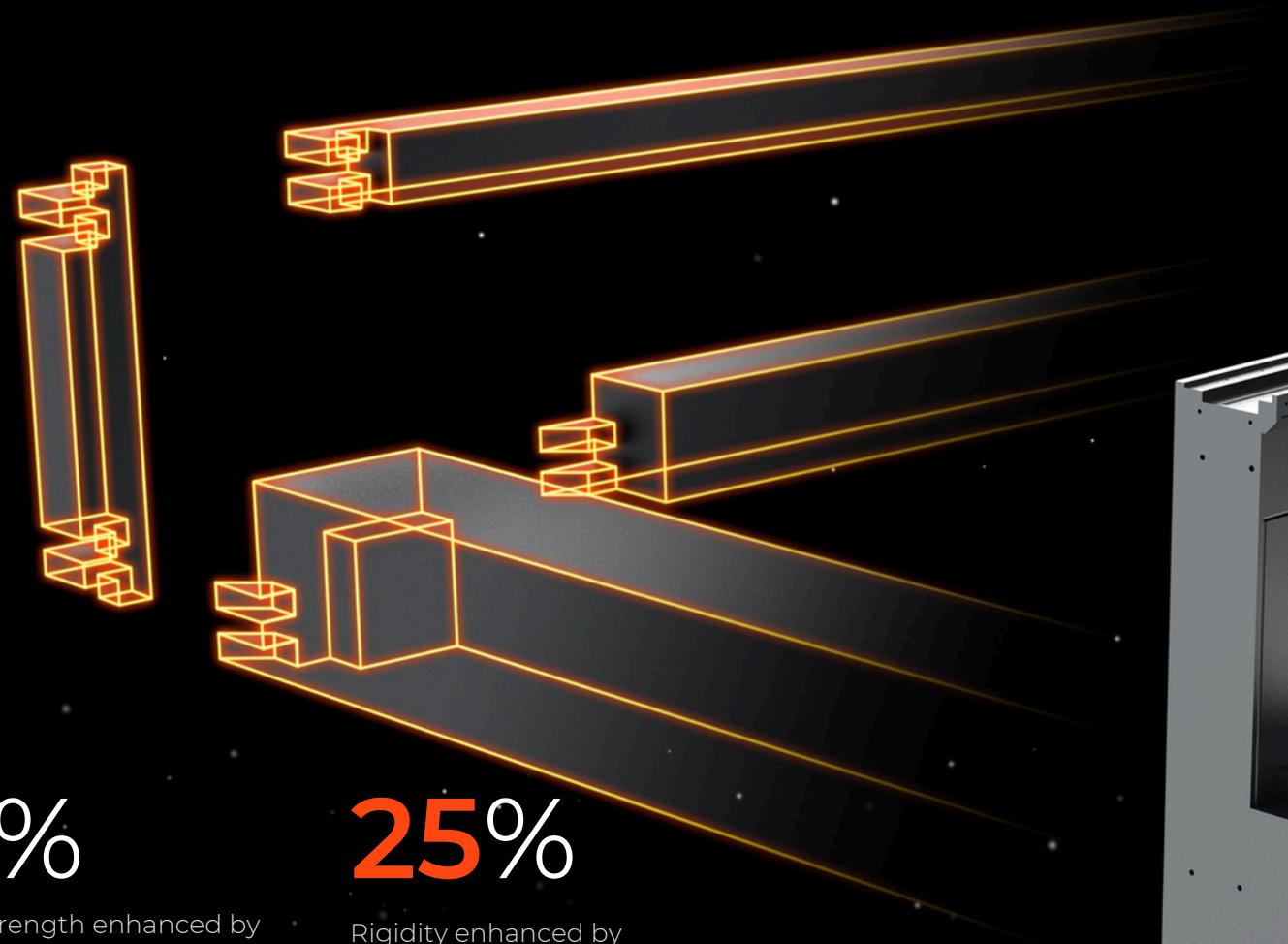

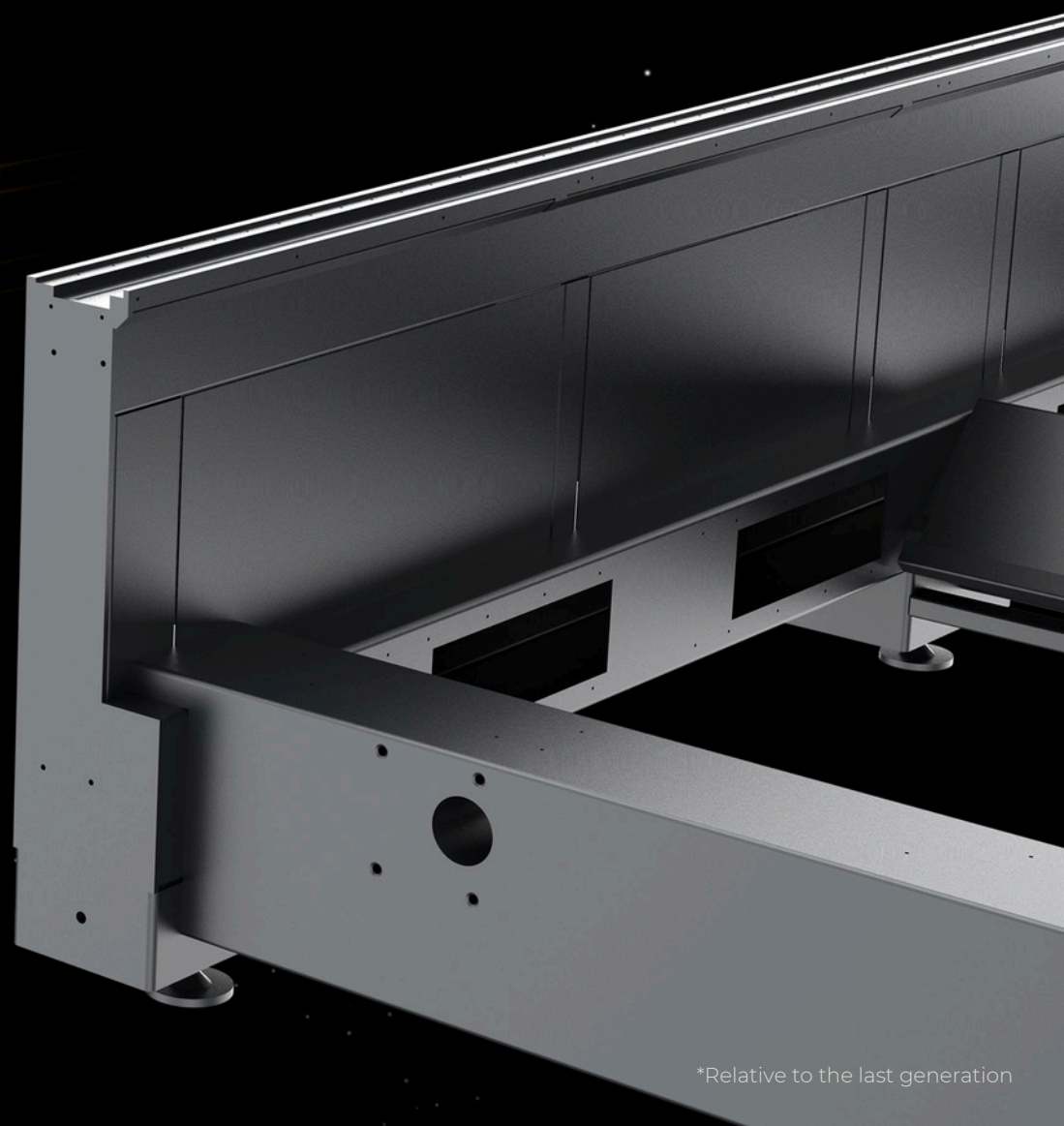

30%

Structuralstrength enhanced by

25%

Rigidity enhanced by

The latest 3rd generation mortise and tenon welded bed

*Relative to the last generation

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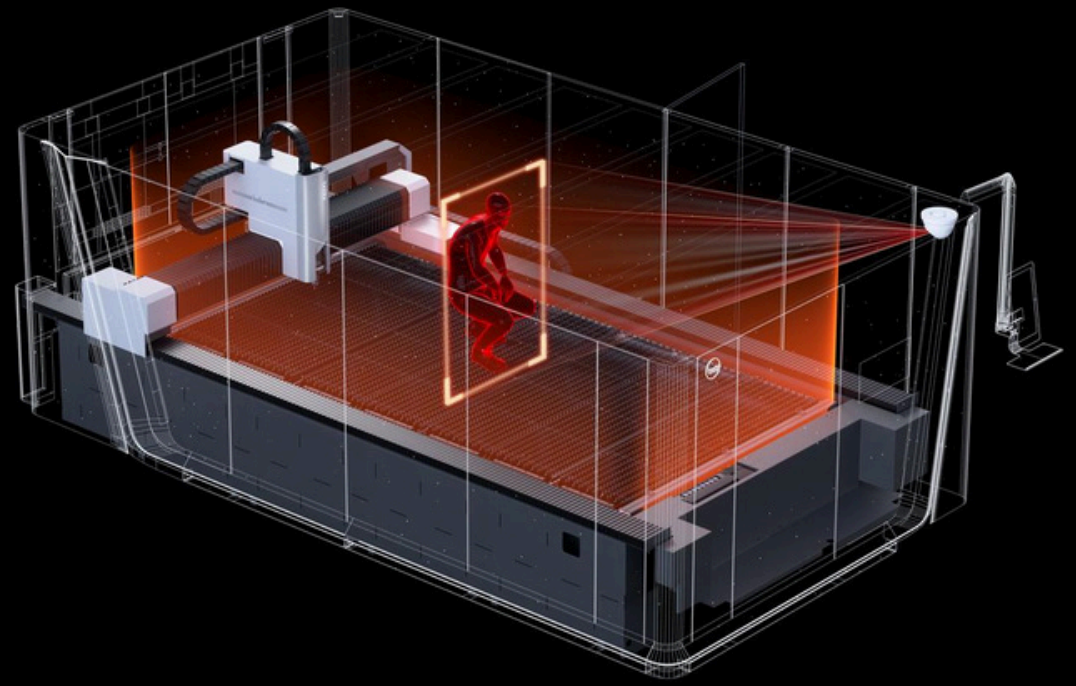
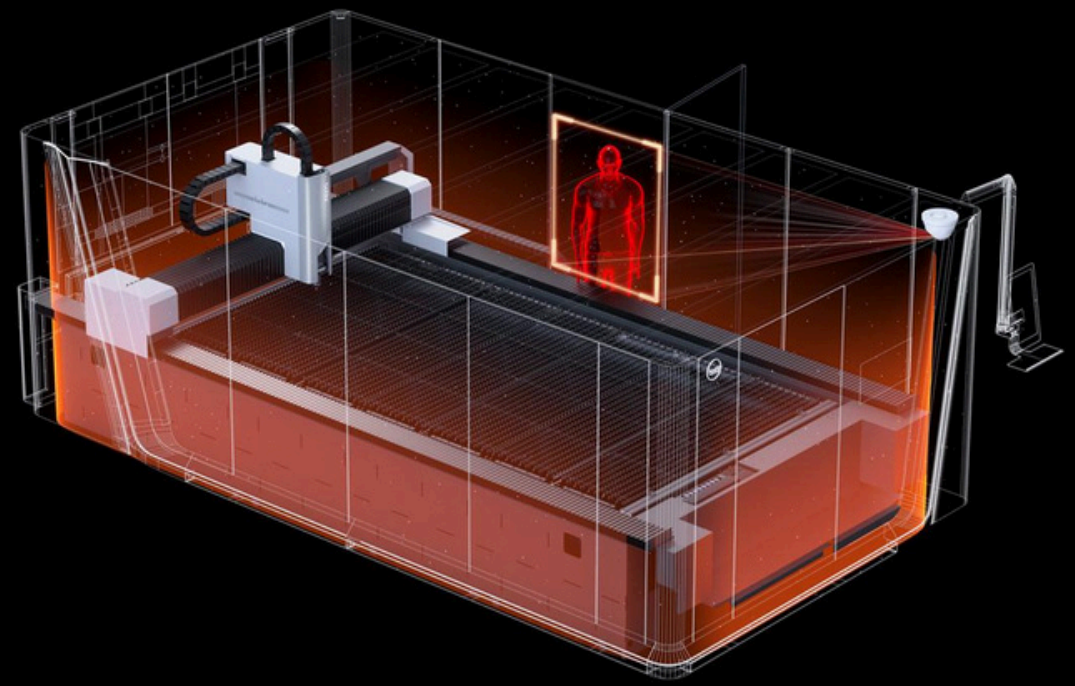
Laser head active obstacle avoidance

Self-developedservo-following sensing andpathsavoidance algorithm,significantly reduce the risk of laser head collision caused by workpiece warping

Equipment immediately stops running when camera detects the presence of people on the table;



Equipment immediately stops running when the camera detects people entering through the side door.



Visual anti-collision function ensures safe operation of the equipment and worry-free production.

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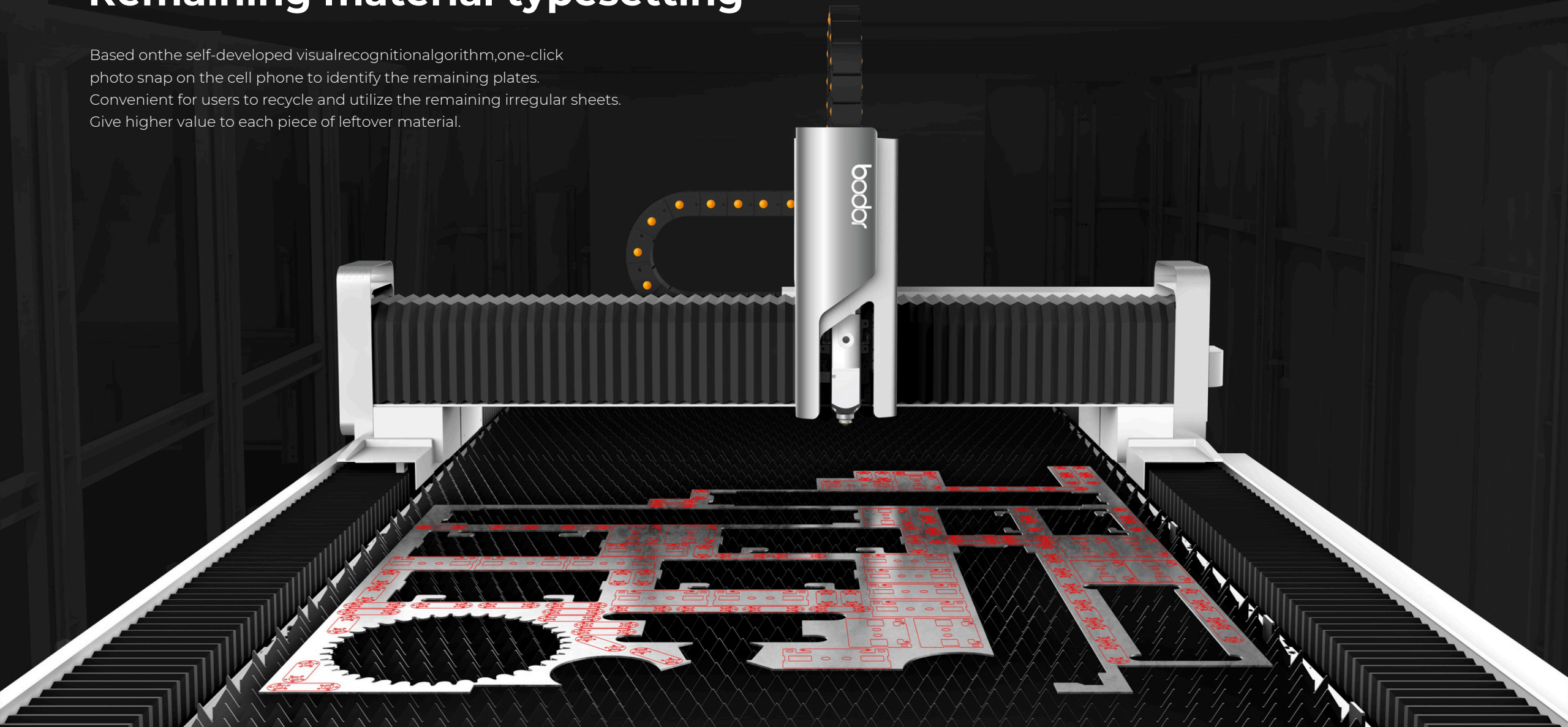
Remaining material typesetting

Based onthe self-developed visualrecognitionalgorithm,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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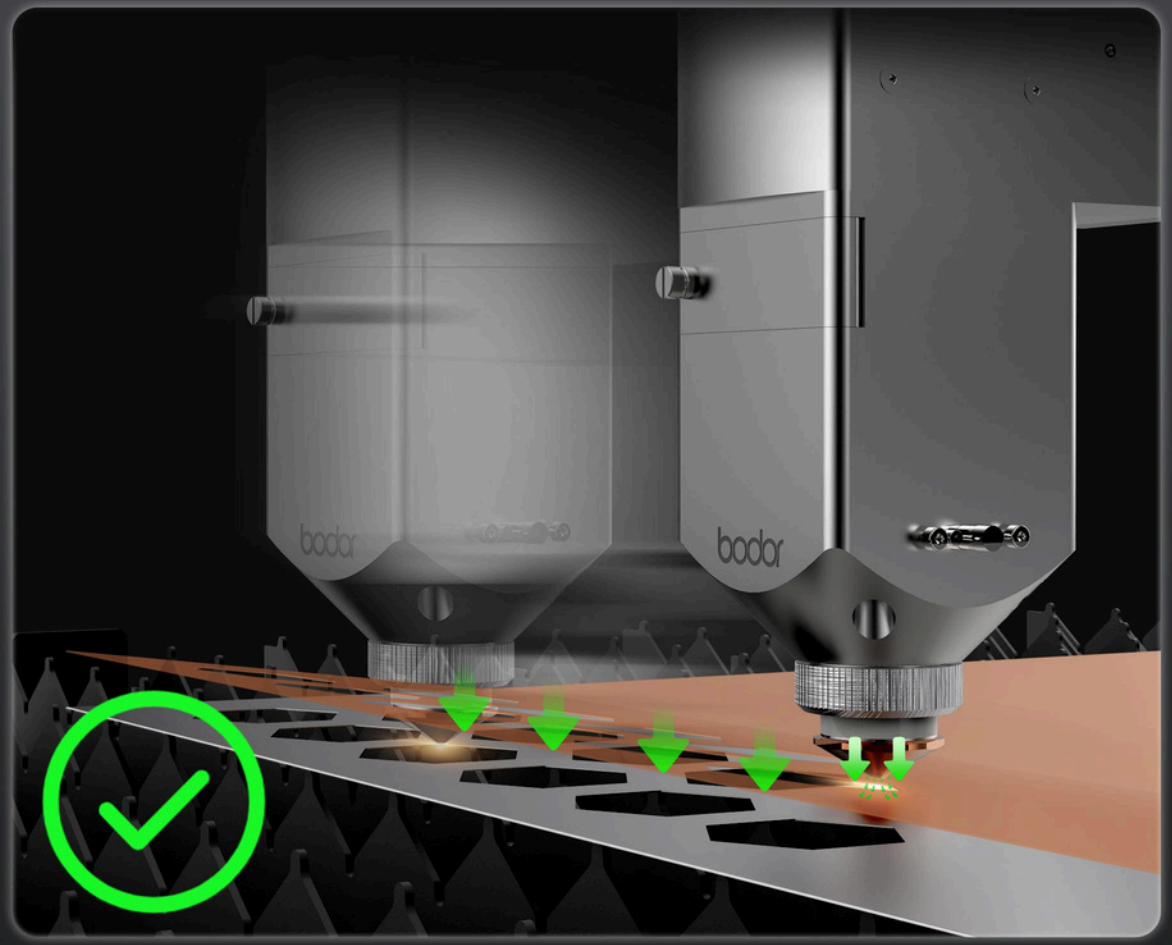

Plate edge anti-vibrating cutting

Through the automatic adjustment of servo-followingsensitivity,itis abletoadapt to thehigh frequencyvibration ofthinplateduetoair pressure and reduce the rate of defectiveproducts.Automatic adjustment of viberation functionparticularly forthinplatecutting.

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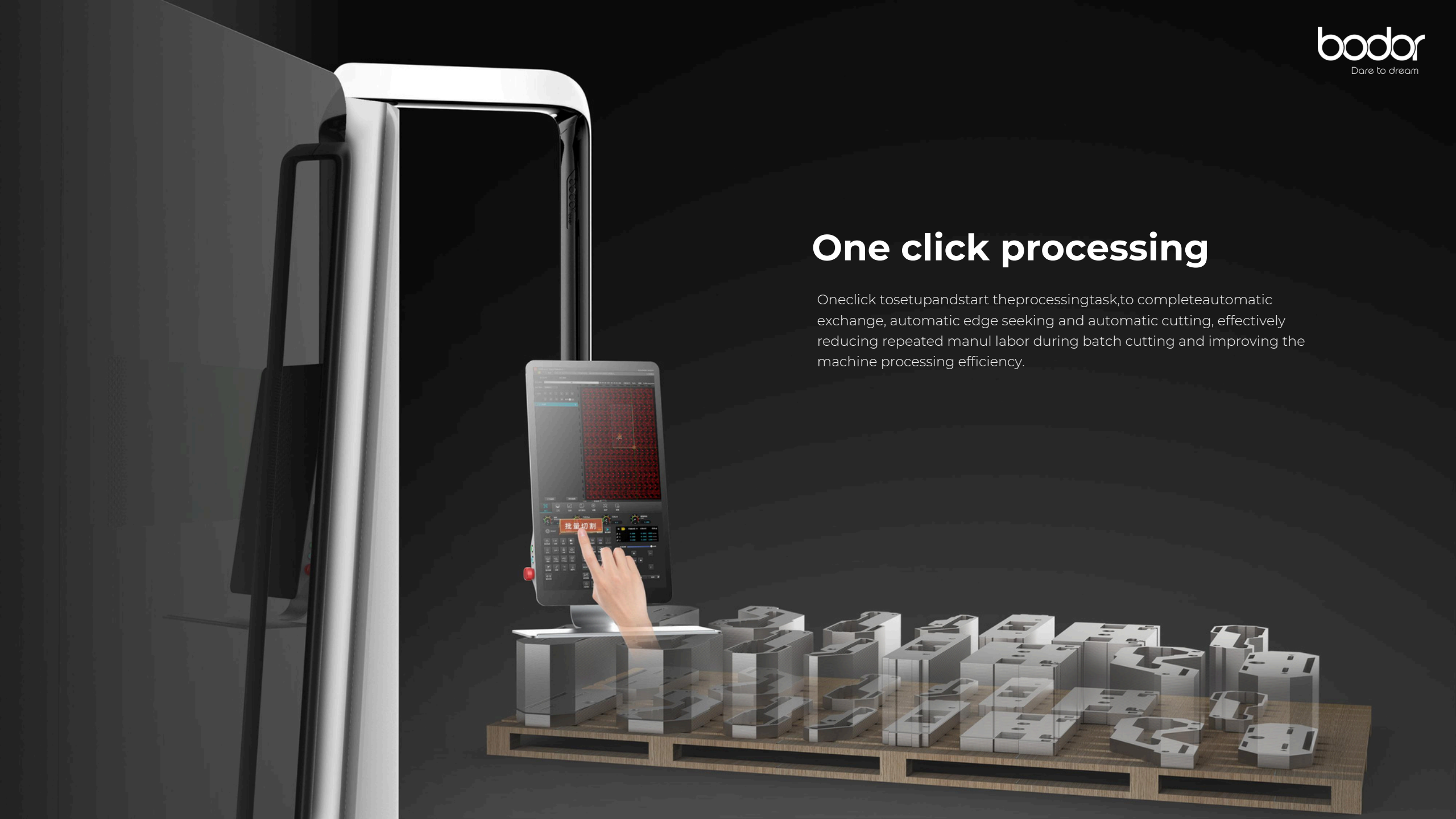
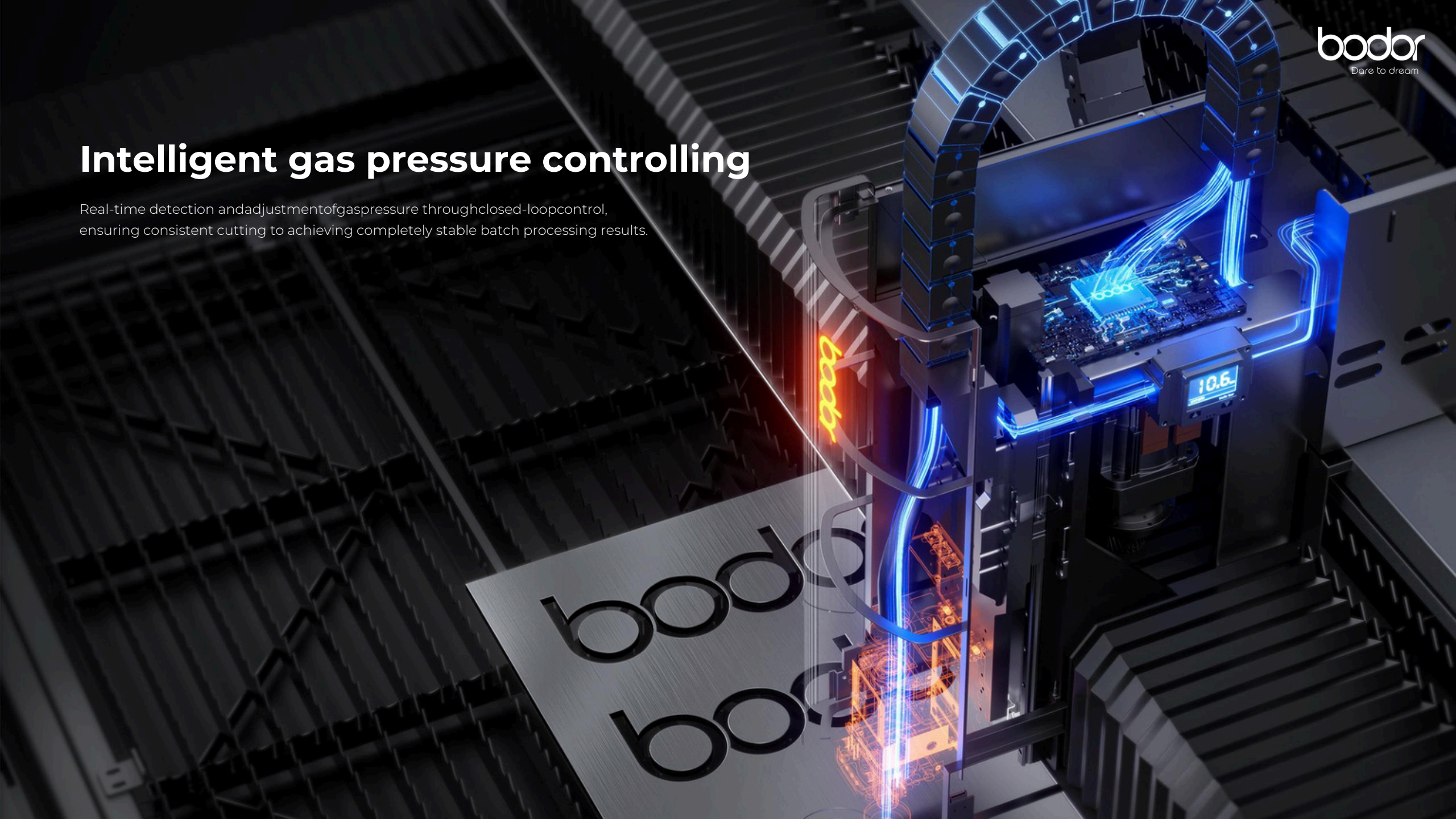
One click processing

Oneclick tosetupandstart theprocessingtask,to completeautomatic exchange, automatic edge seeking and automatic cutting, effectively reducing repeated manul labor during batch cutting and improving the machine processing efficiency.



Intelligent gas pressure controlling

Real-time detection andadjustmentofgaspressure throughclosed-loopcontrol,
ensuring consistent cutting to achieving completely stable batch processing results.



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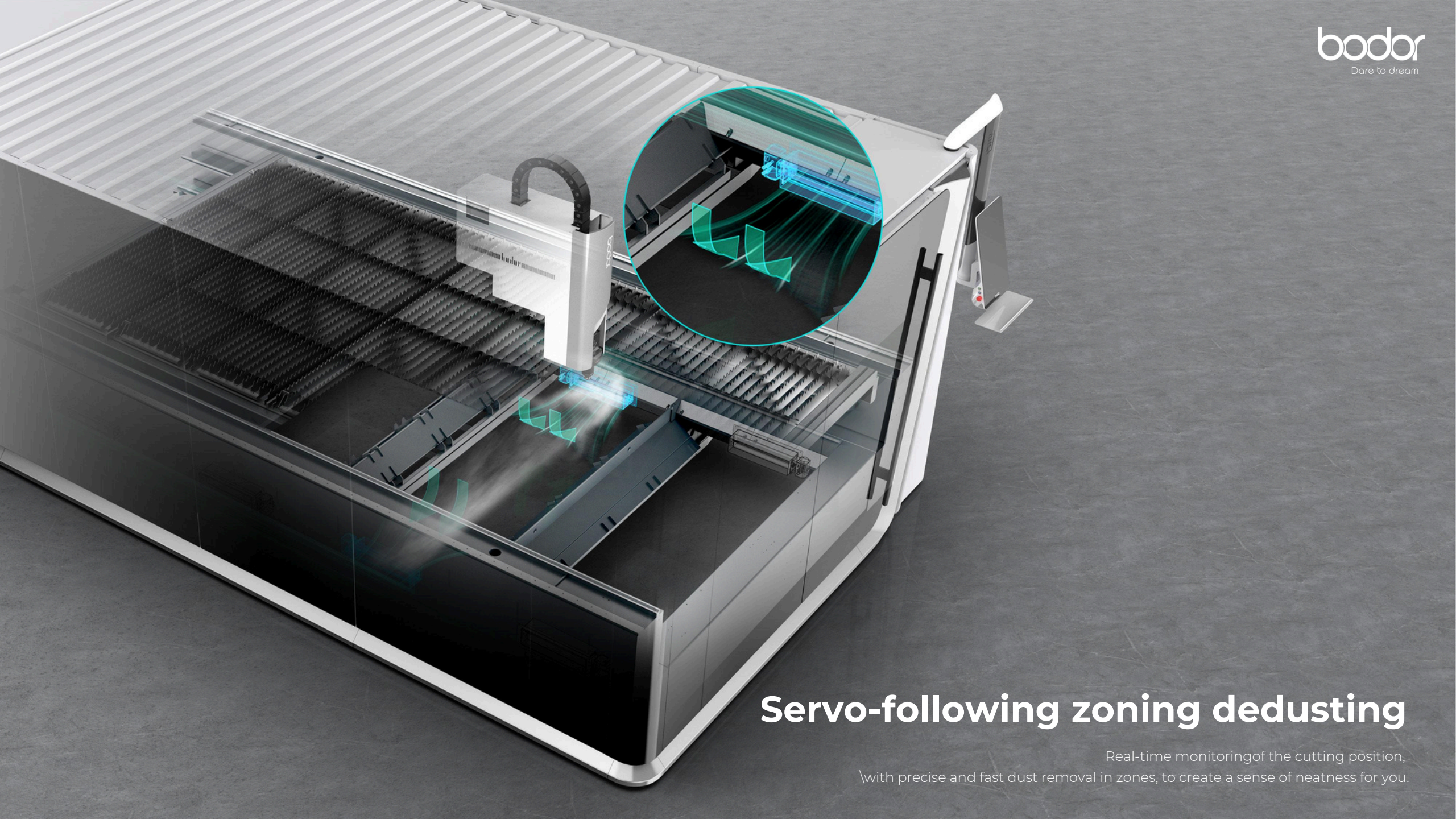
Dare to dream



Servo-following zoning dedusting

Real-time monitoringof the cutting position,
\with precise and fast dust removal in zones, to create a sense of neatness for you.

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Mineral casting anti-burning plate

Easy slag clean-up, long servicelife:comparedwithanti-burningcast ironandanti-burningsteelplate,it isless prone to deformation, flexible insize,andcanperfectlyprotectthe whole body of themachine.

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Aircraft-grade aluminum crossbeam

25%

Structuralstrength enhanced by

30%

Weightreducedby

*Relative to the last generation

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Modular table

Pioneeringinnovationofmodulestructuredtable, reducing maintenance costs.

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Bodor

Anewinteractiveplatform for the industrial lasr technology and the IoT (Internet of Things)

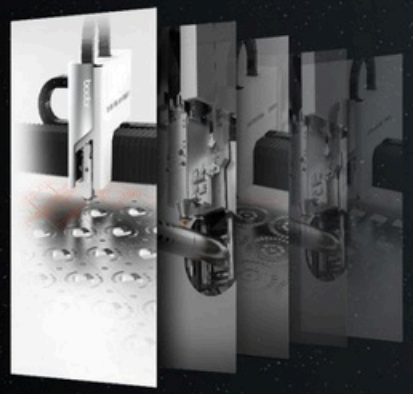
Integrating functions such as sharing, auxiliary operation, real-time monitoring of equipment, regular maintenance reminder, parts online purchase, and one-click failure reporting create a new ecology of full-service laser processing technology

Bodor

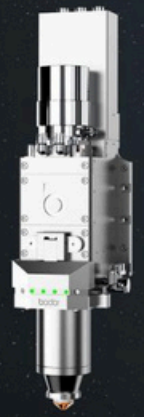
Six-in-one laser technology full ecology

Fullyself-devlopedBodorThinkercontrolsystem,BodorNestnesting software,BodorGeniuslaserhead and BodorPowerlasersourcematched with MES systemandBodordrivedrivesystem,enablingstableoperationofthe machine,withpremiumquaility cuts andincredibleworkingefficiency.

BodorThinker
Central control system



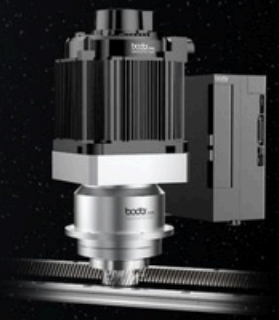
BodorNest
Nesting software



BodorGenius
Laser head

BodorPower
Laser source

BodorMES
Intelligent production management software



BodorDrive
Drive system

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Dare to dream

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.

bodor
Dare to dream

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."

bodor
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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 .....

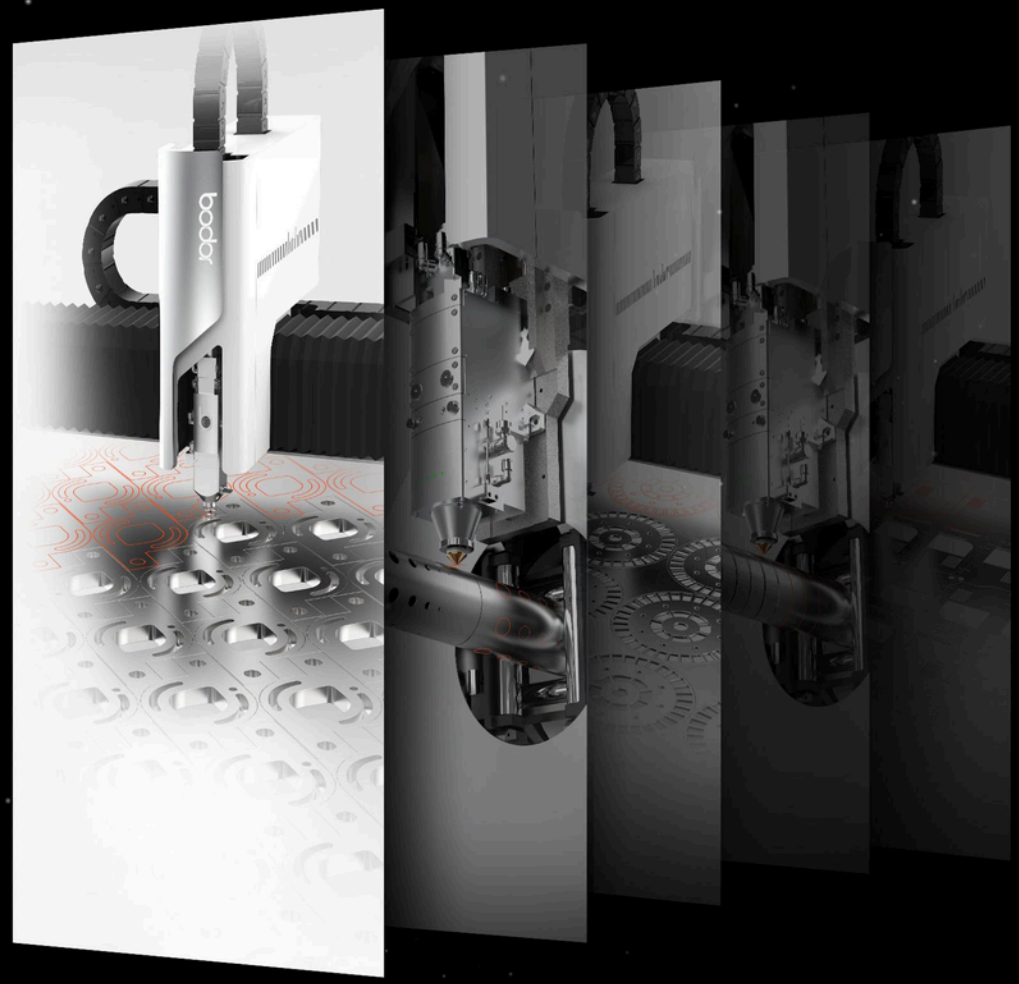
Software development is a bumpy journey. However, Bodor has been determined to devlop our own operating system, starting from writting the "source code". It takes 5 years of reletless dedication for BodorThinker operating system to be successfully developed. The autonomous operating software matched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

bodor
Dare to dream

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

which achieves a perfet loop of nesting, system controland cutting opticalpath.

BodorNest nesting software is devloped 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.



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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 scanningcuttingmachinepoineers
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:cuttingspeed 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.

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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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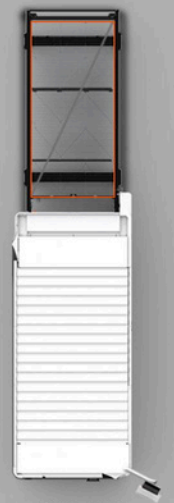
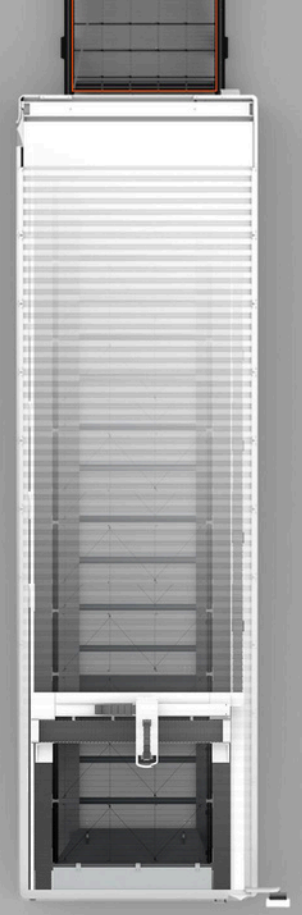


C3
3048mm*1524mm

C4
4000mm*2000mm

C6
6500mm*2500mm



C12
12500mm*2600mm

A wide range of machinable sheets format for your selection

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C series Function&parameter List

	C3	C4	C6	C8	C12
Working area	3048mm*1524mm	4000mm*2000mm	6100mm*2500mm	8050mm*2500mm	12500mm*2600mm
Max. linkage speed	110m/min	110m/min	110m/min	110m/min	110m/min
Max. acceleration	1.5 G	1.5 G	1.5 G	1.5 G	1.5 G
One-click processing	☑	☑	☑	☑	☑
Remnant Typesetting	☑	☑	☑	☑	☑
Crash Safety	☑	☑	☑	☑	☑
Active anti-collision function	☑	☑	☑	☑	☑
Visual collision detection	☑	☑	☑	☑	☑
Intelligent anti-shake	☑	☑	☑	☑	☑
Air pressure intelligent control	☑ 12KW and above	☑ 12KW and above	☑ 12KW and above	☑ 12KW and above	☑ 12KW and above

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Economical
Sheets fiber laser cutting machine

C series

The heritage of aesthetics and performance

KTD

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