CT series

Fully protected dual-platform

shetl.tube metal laser cutting machine

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Enjoy Euro-standard qualitty
One machine dual-use

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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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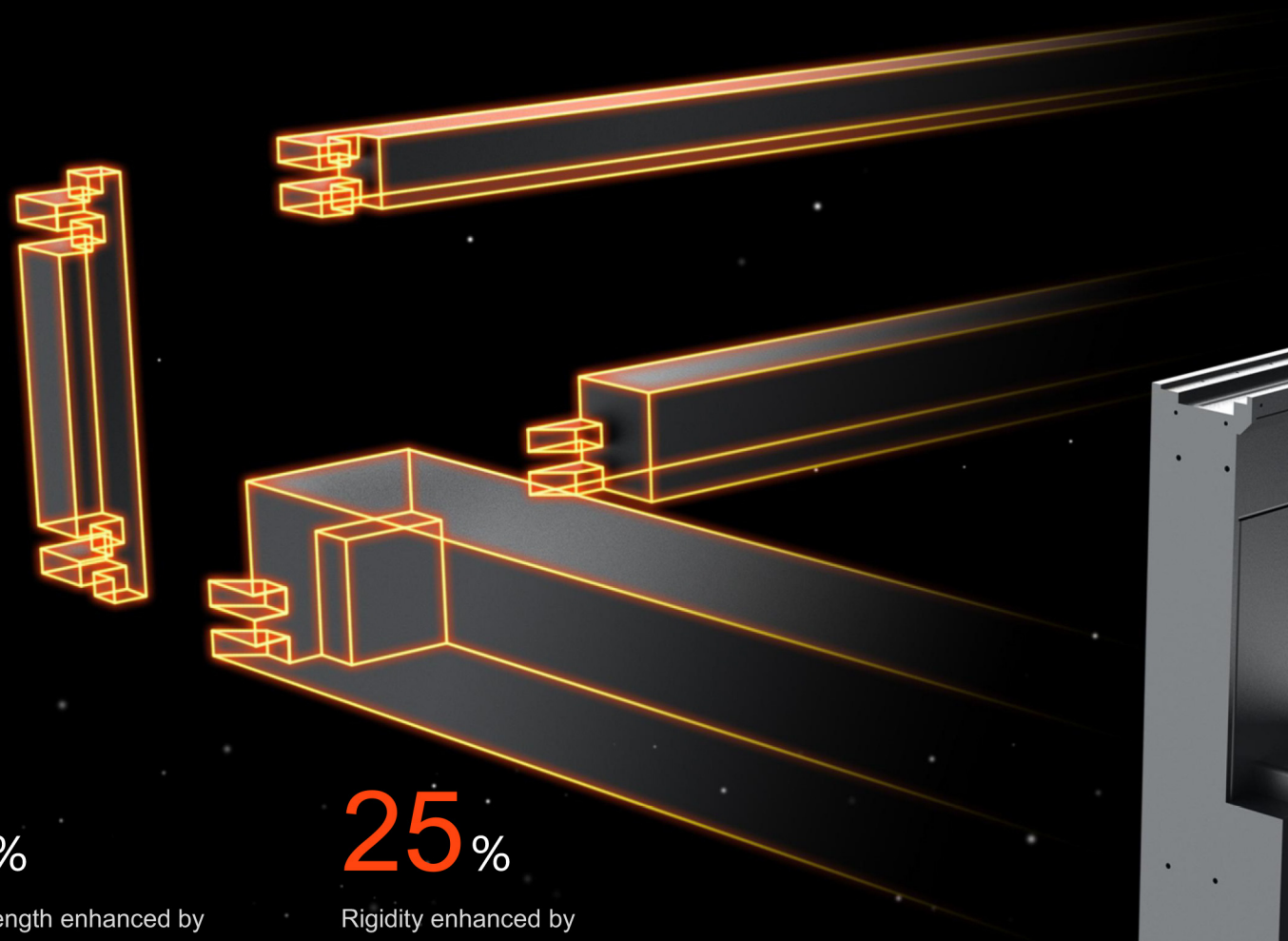

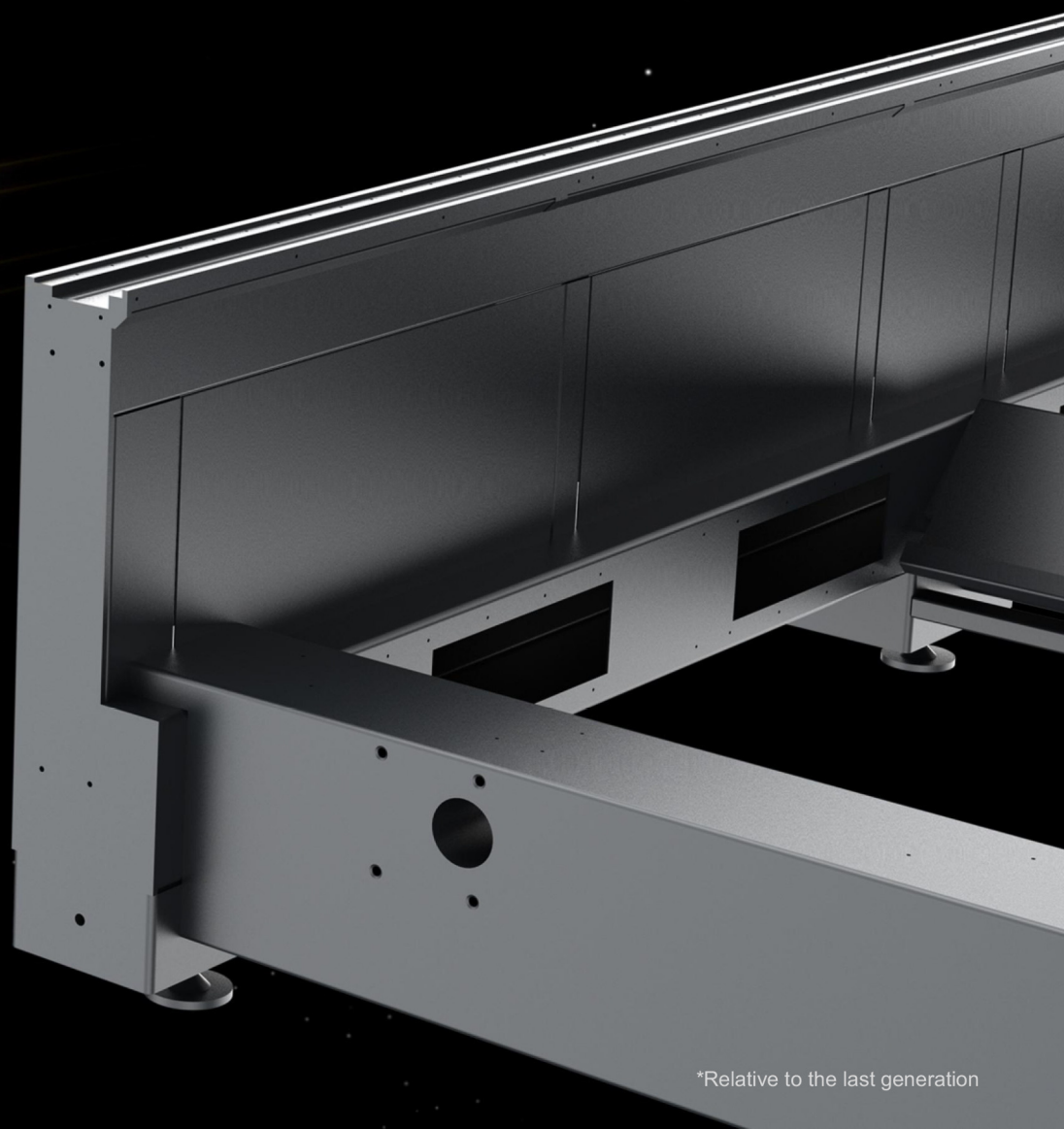

30%
Structural strength enhanced by

25%
Rigidity enhanced by

The latest 3rd generation mortise and tenon welded bed

*Relative to the last generation

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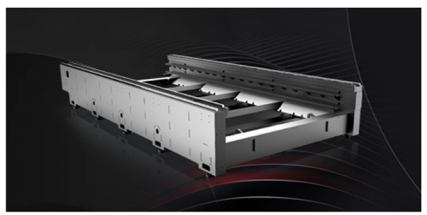
CT SERIES

Economical Sheet&Tube Metal Cutting Machine with Full Protection

Pneumatic chuck

- Quick clamping improves the work efficiency.
- The clamping force is large, stable and adjustable.
- Strong safety and reliability.



Tenon-and-mortise Welded Bed

Each frame of bed is welded after mortise-and- tenon joint to achieve better stability and firmness.
Welded structure improves shock absorption effect, lowering deviation caused by shock, and offering more accurate cutting.

Double Fast Exchange Tables

Fast exchange of two tables greatly improves efficiency. Rack and gearwheel transmission system has better rigidity and higher accuracy, saving feeding time.

Active Obstacle Avoidance

360°radar system can detect any obstacles in advance, lowering the damage rate of laser head. This function help you save maintenance cost.

Bodor Thinker

Robust compatibility and processing ability with user-friendly system interface keep reliable and stable cutting performance.

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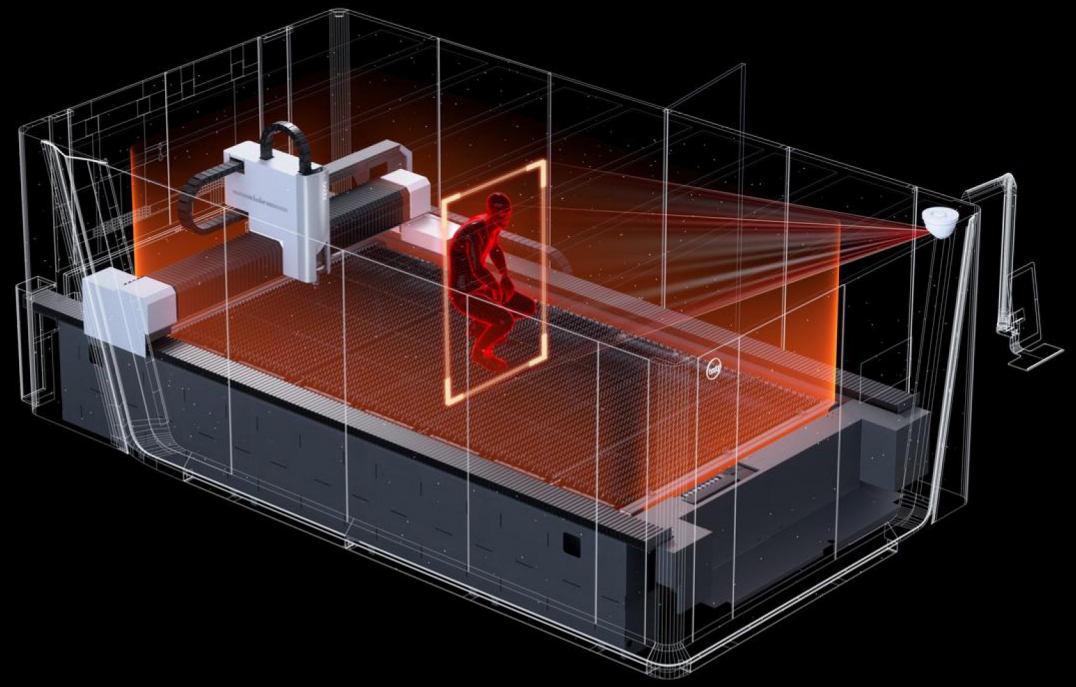
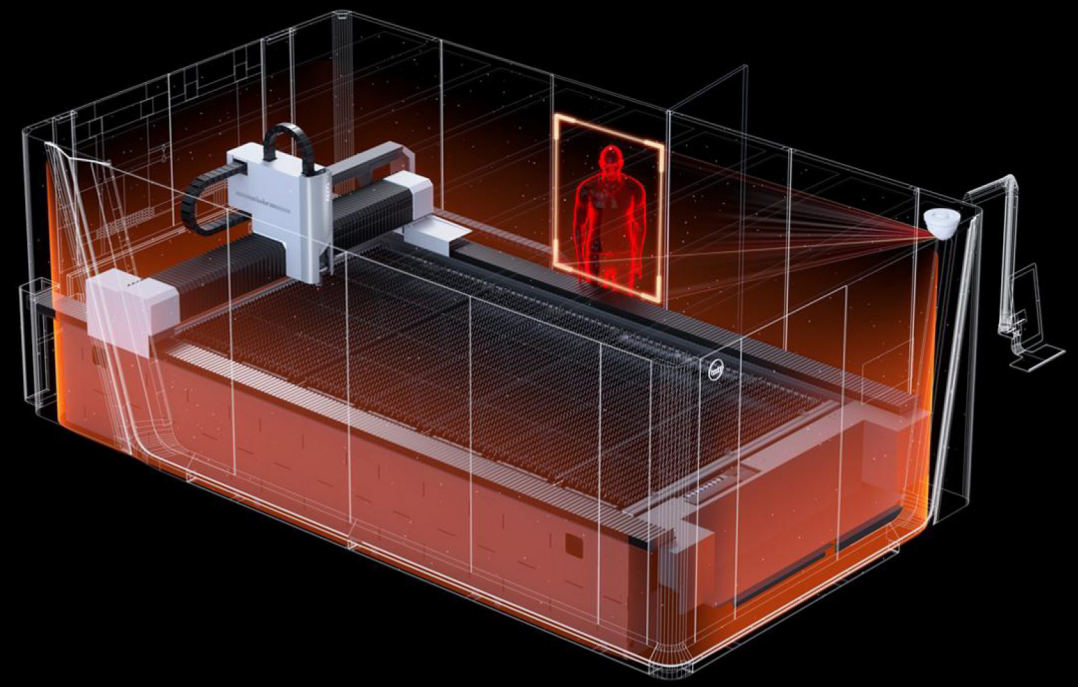
Equipment immediately stops running when camera detects the presence of people on the table;



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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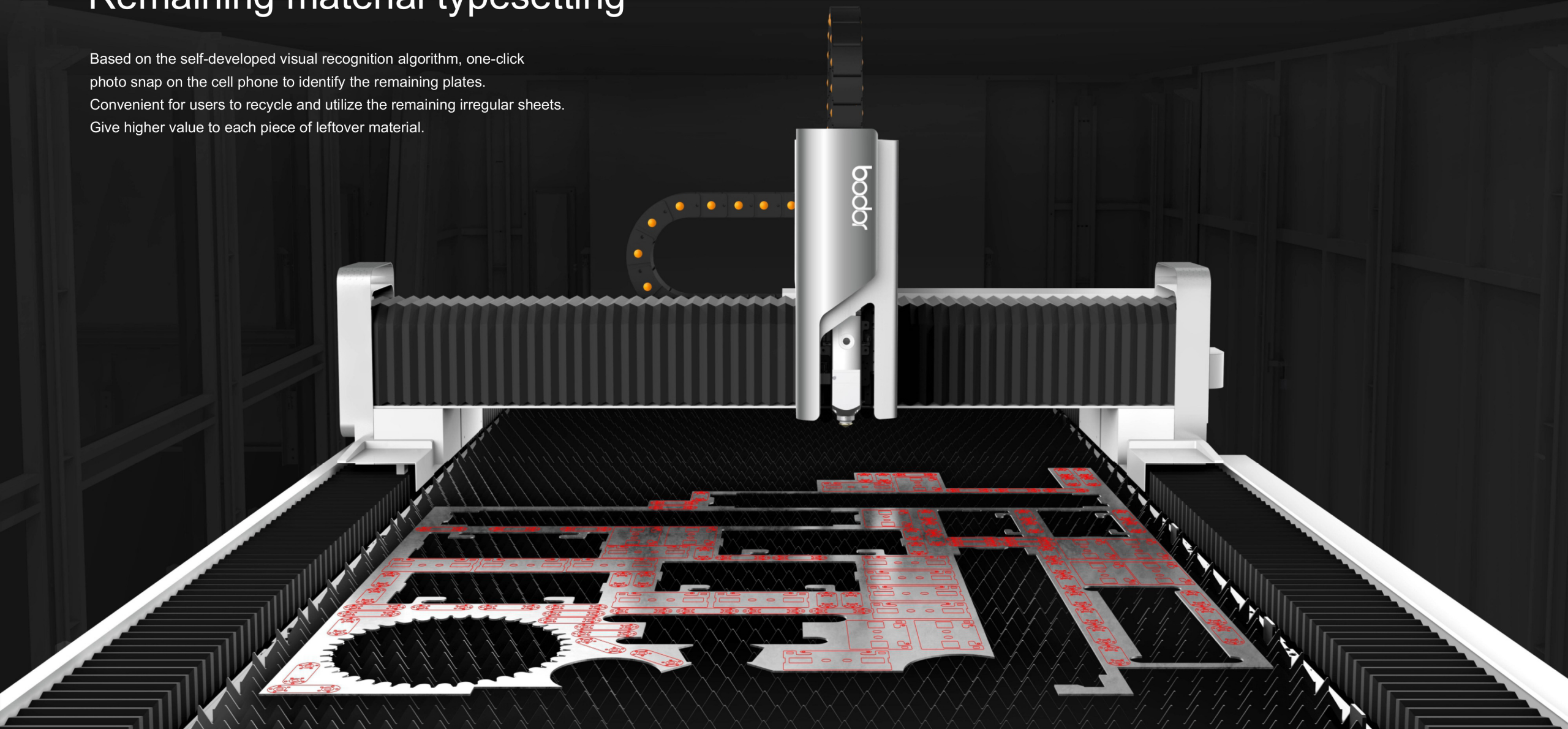
Remaining material typesetting

Based 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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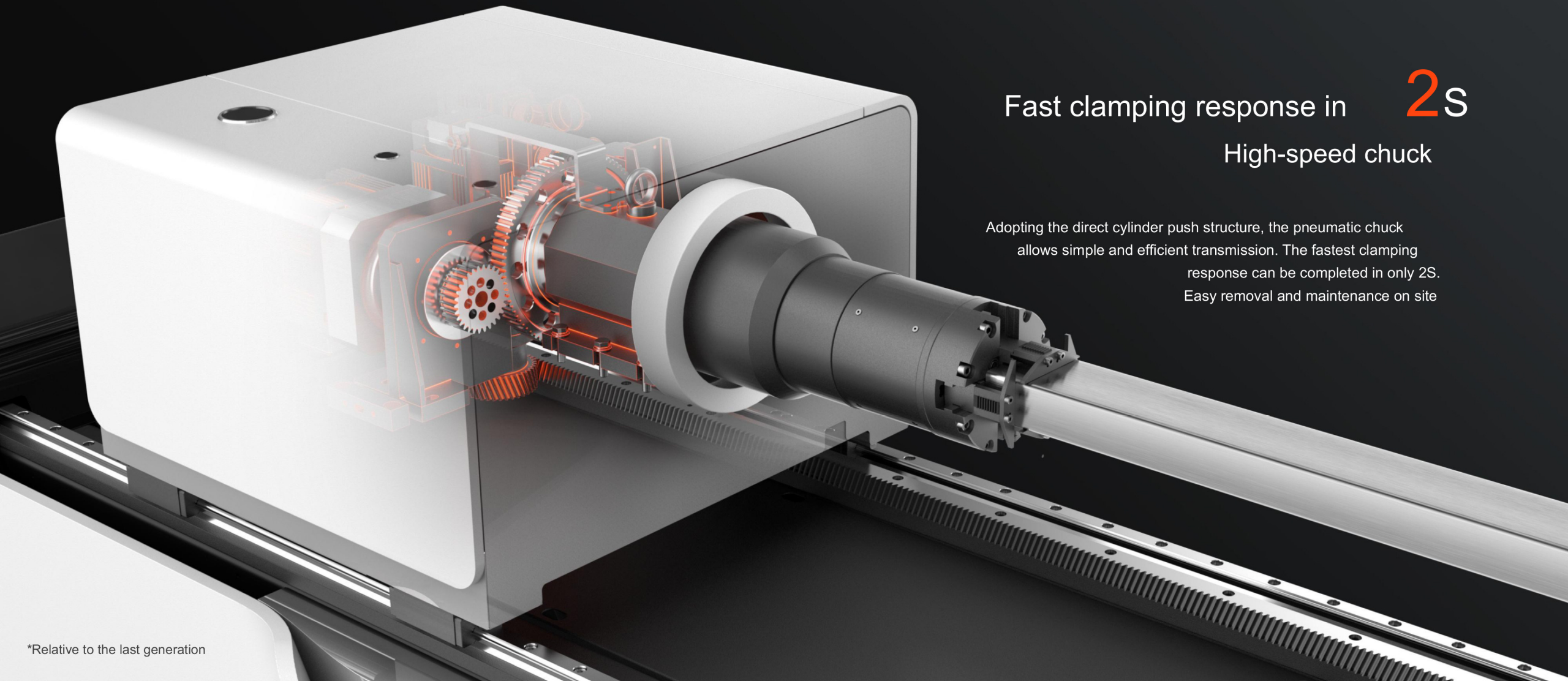

Fast clamping response in 2S

High-speed chuck

Adopting the direct cylinder push structure, the pneumatic chuck allows simple and efficient transmission. The fastest clamping response can be completed in only 2S.
Easy removal and maintenance on site

*Relative to the last generation

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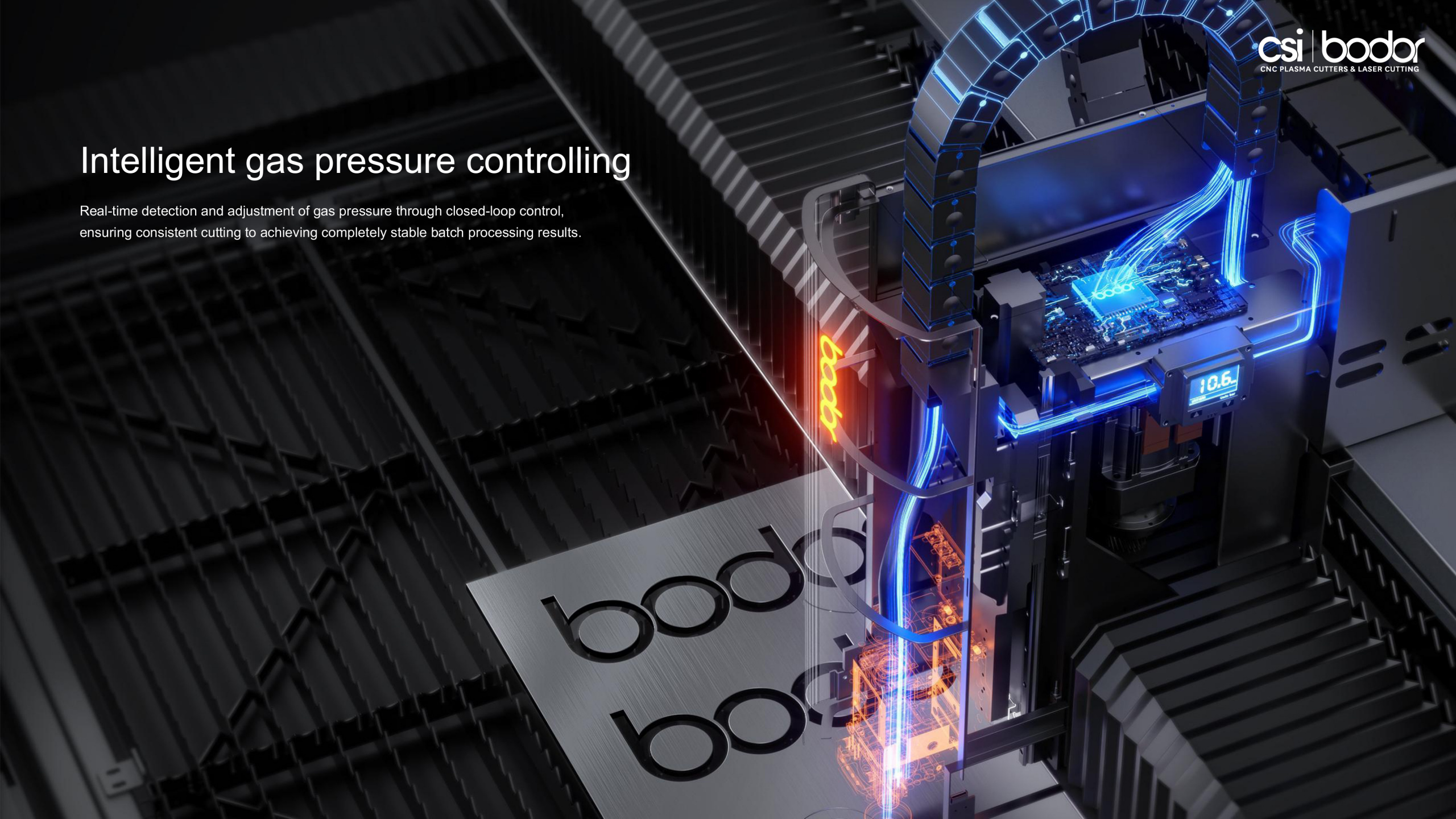
Intelligent gas pressure controlling

Real-time detection and adjustment of gas pressure through closed-loop control, ensuring consistent cutting to achieving completely stable batch processing results.



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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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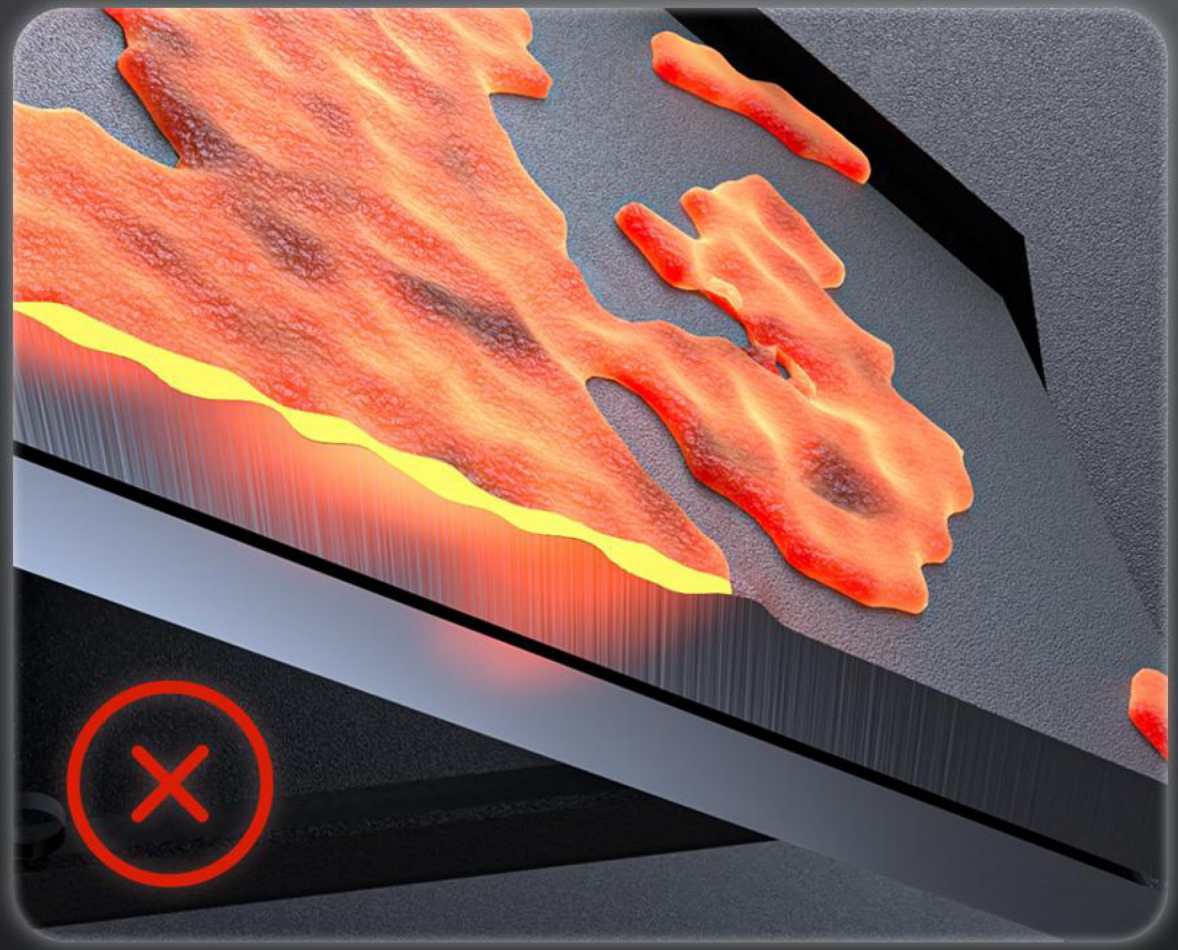

Mineral casting anti-burning plate

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

The power rang ing 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.Bo dor'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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Bodor self-devloped BodorThinker operating system

brings intelliegent 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 self-devloped Bodor MES system, a great helper in building “smart factory”

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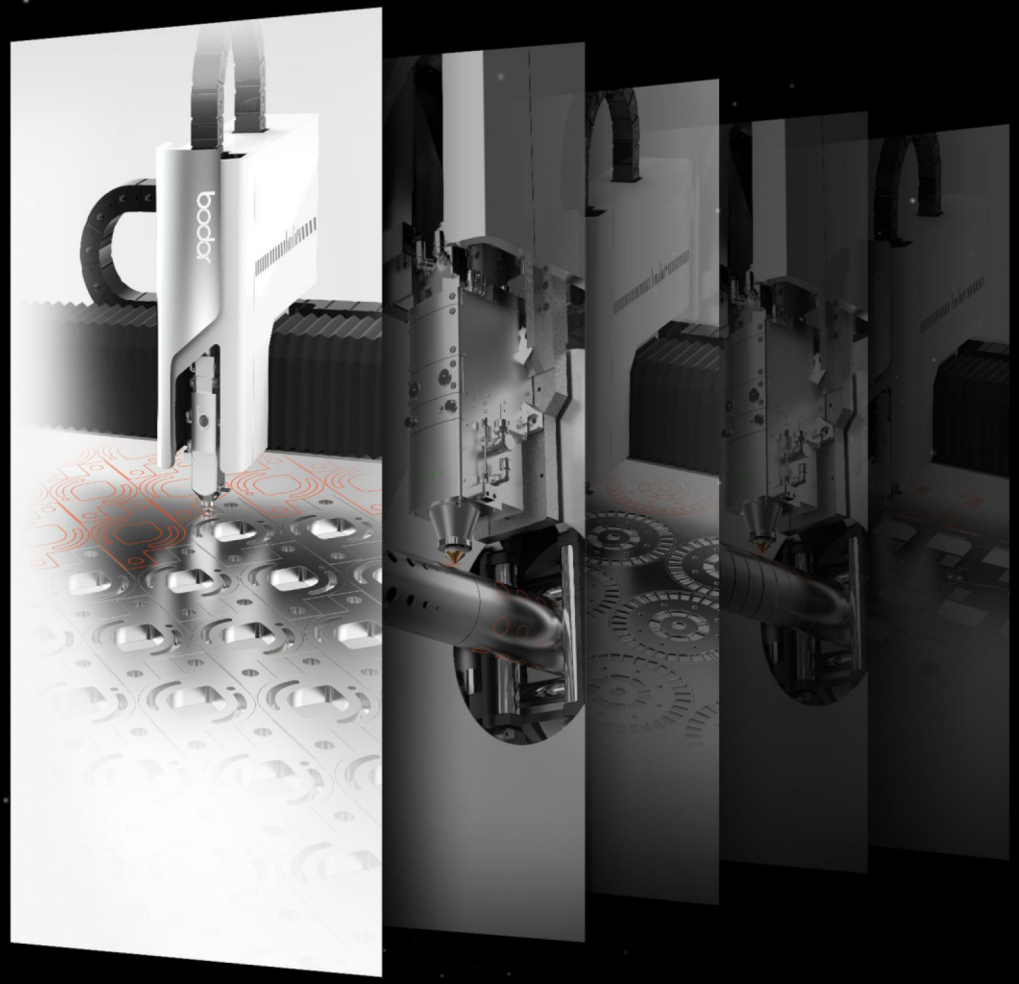
BodorNest, Bodor's self-developed nesting software has been successfully launched,

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

BodorNest nesting software is devloped by BO DOR 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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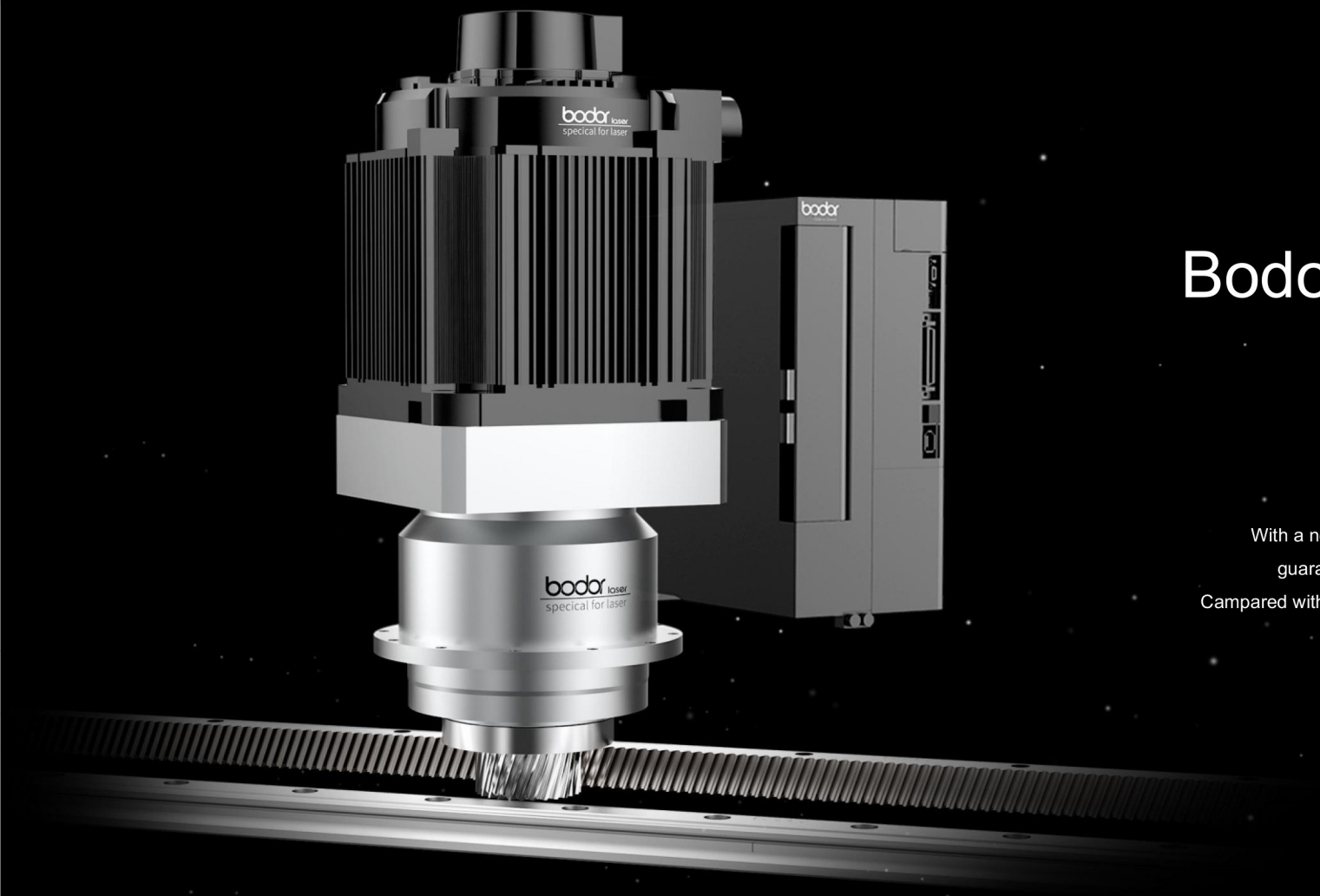

Bodor self-developed BodorDriver drive system

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.

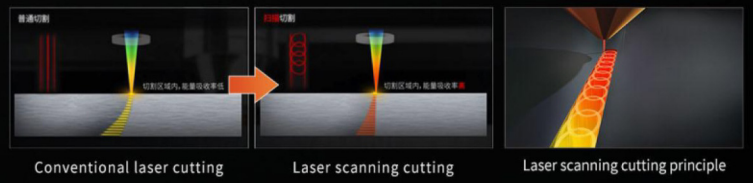
3 innovative features of Scanning cutting

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.



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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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C T series Function&parameter List

	C3T6		
Working area	10ft x 5ft 3048mm*1524mm	Tube size range	Round tube：ϕ20-ϕ230mm 0.78 - 9 in Square tube：□20-□230mm 0.78 - 9 in Rectangular tube 230mm≥Side length≥20mm 9 in ≥ Side length ≥ 0.78 in
Max. linkage speed	100m/min 3937in/min		
Max. acceleration	1.0 G	pneumatic chuck maximum load	200kg 33.4kg/m 440lb 22.4lb/ft
Positioning accuracy	±0.05mm/m 0.0006in/ft	Automatic tube inspection	Edge-seeking, center-finding
Repositioning accuracy	±0.03mm 0.0003in/ft	Max. length of tube	C-T6 tube maximum length is 6m 19.6ft
One-click processing	☑	Max. rotational speed of W axis	60RPM
Bodor Lightning perforation technology	☑	C-T6U axis positioning accuracy	0.05mm 0.002in
Active obstacle avoidance function	☑	C-T6U axis repositioning accuracy	0.03mm 0.001in
Anti-slag Protection	☑	Angle steel, channel steel cutting	☑
Touchscreen Display	☑		

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