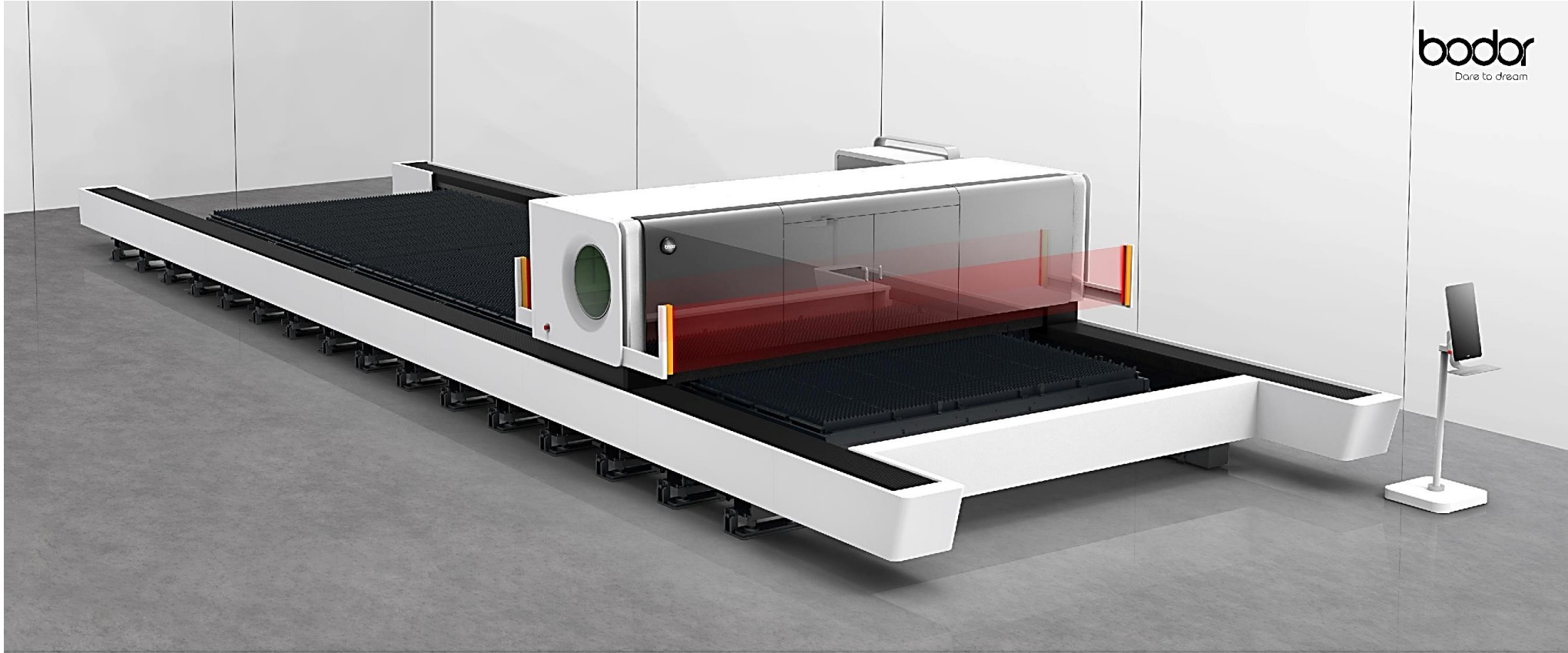


# H series

Ultra-large format sheet fiber laser metal cutting machine  
High-performance model

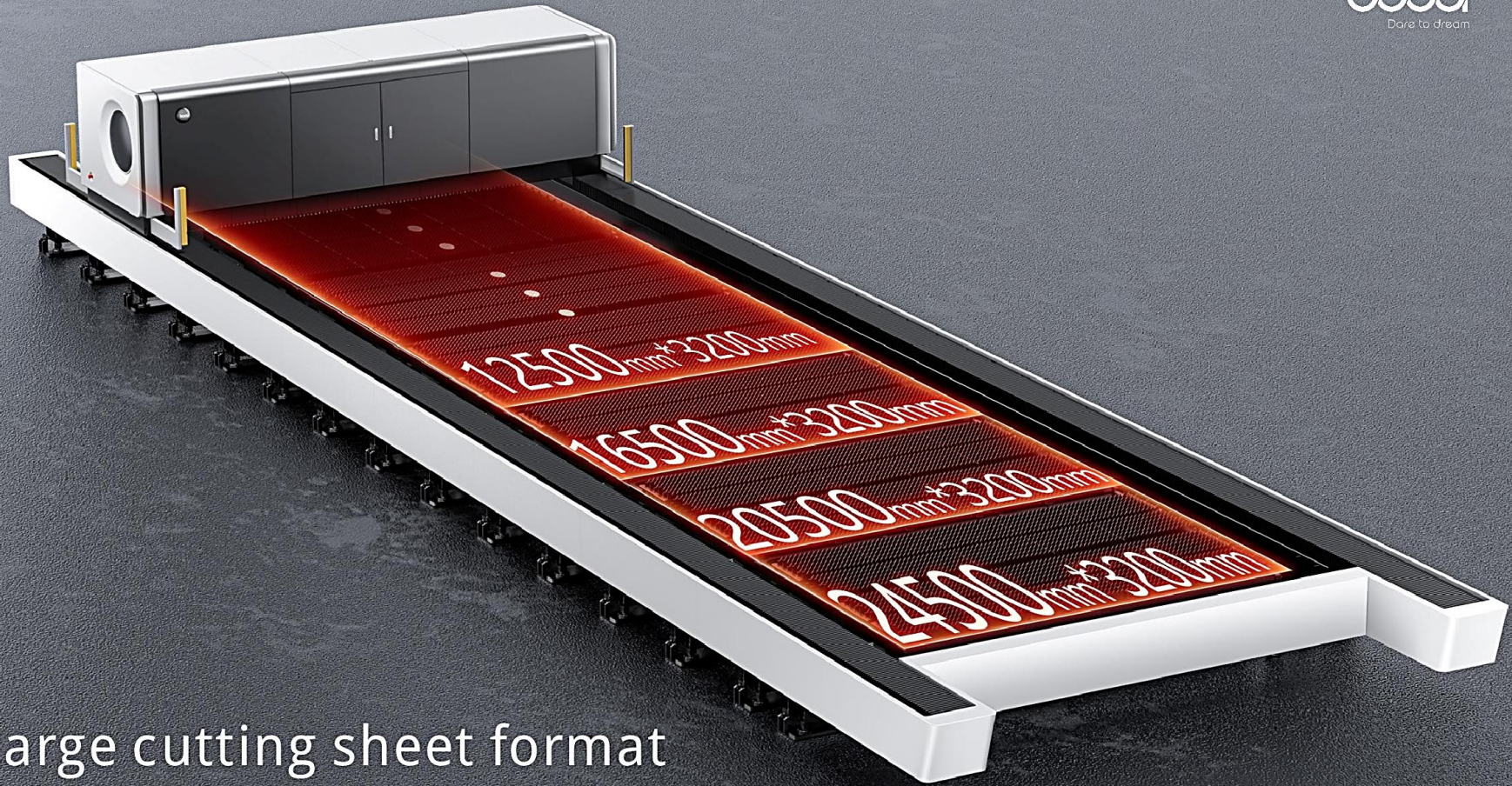
30,40,60 kWt





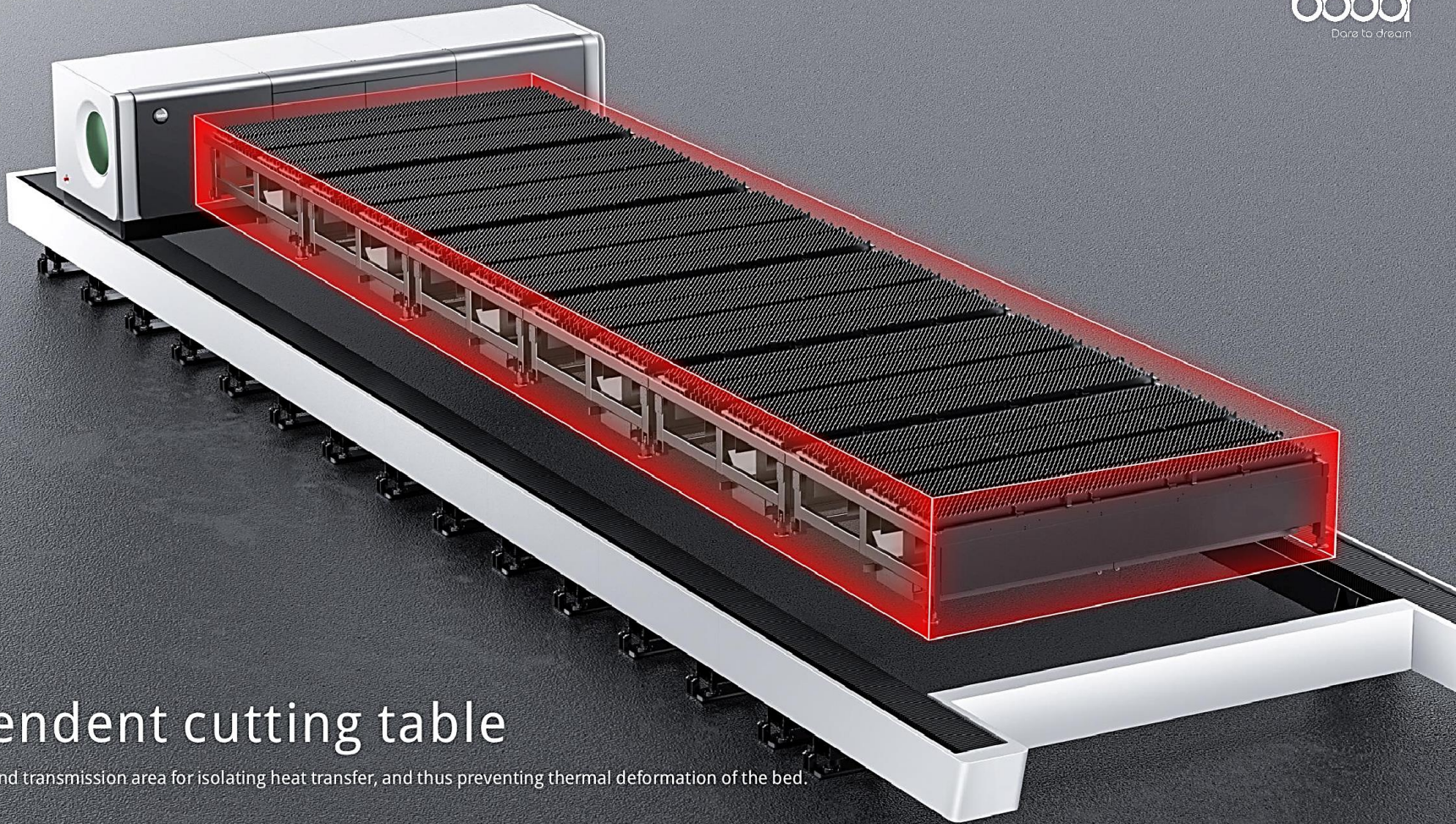
# Up to European standards More than large

Safe Eco-friendly Large machinable sheet format



## Ultra large cutting sheet format

Ultra large cutting sheet format customization at will  
Efficient option for processing sheets over 12m

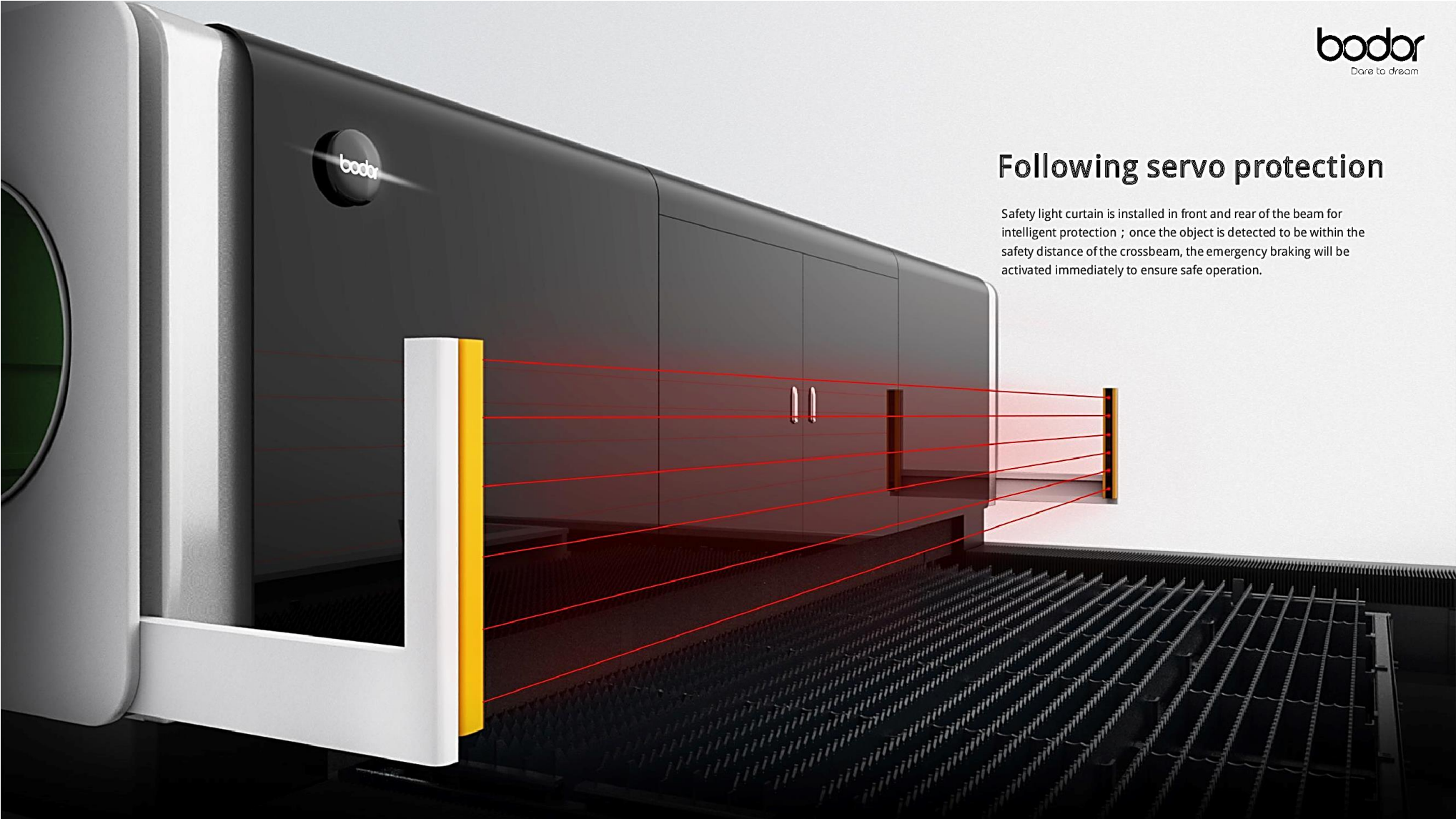


## Independent cutting table

Separated cutting and transmission area for isolating heat transfer, and thus preventing thermal deformation of the bed.

## Following servo protection

Safety light curtain is installed in front and rear of the beam for intelligent protection ; once the object is detected to be within the safety distance of the crossbeam, the emergency braking will be activated immediately to ensure safe operation.





# Safety guaranteed inside out

Safety enclosure + laser protection glass + emergency stop on both sides.

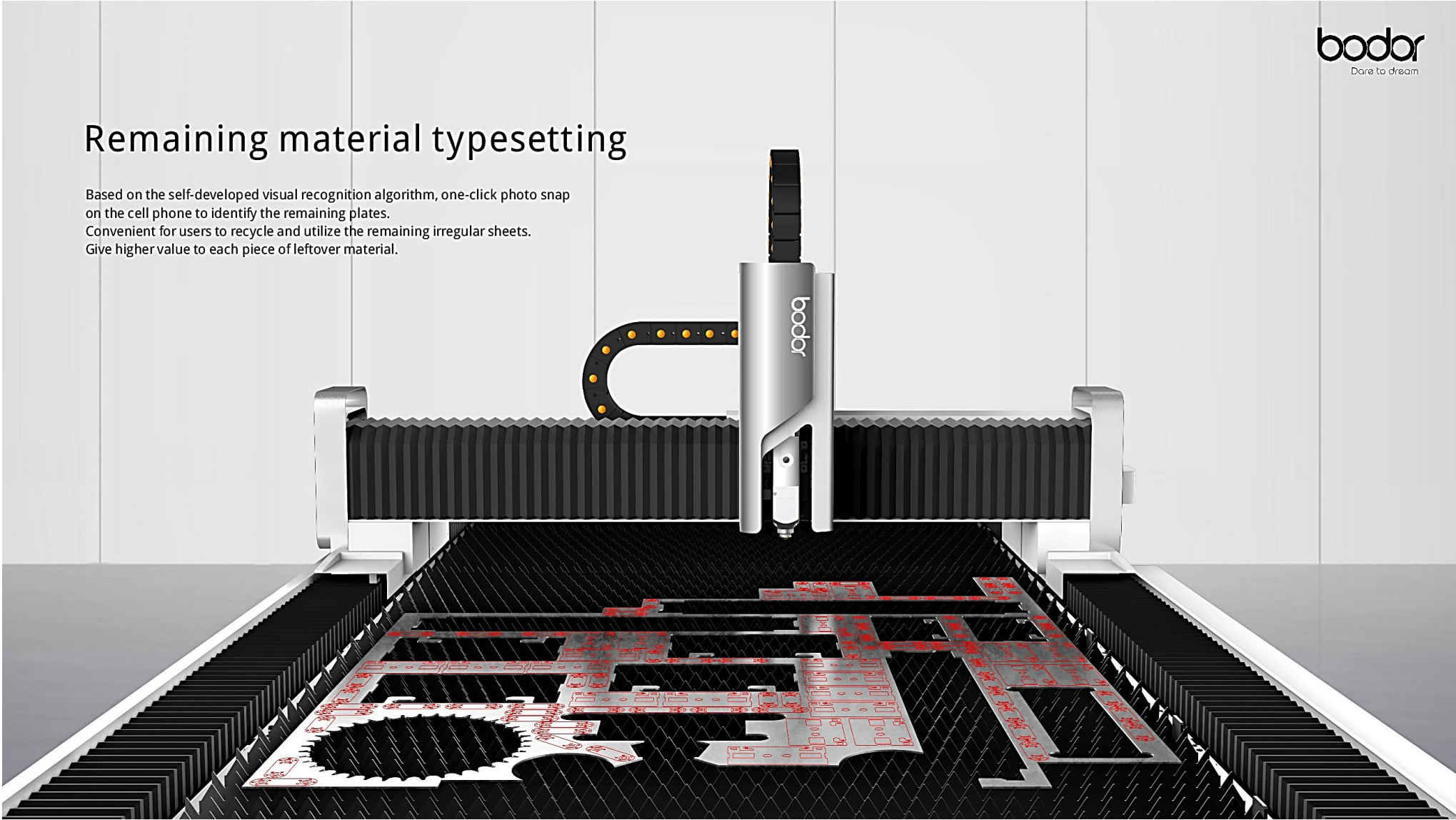


# Laser head **active obstacle avoidance**

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

## 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.



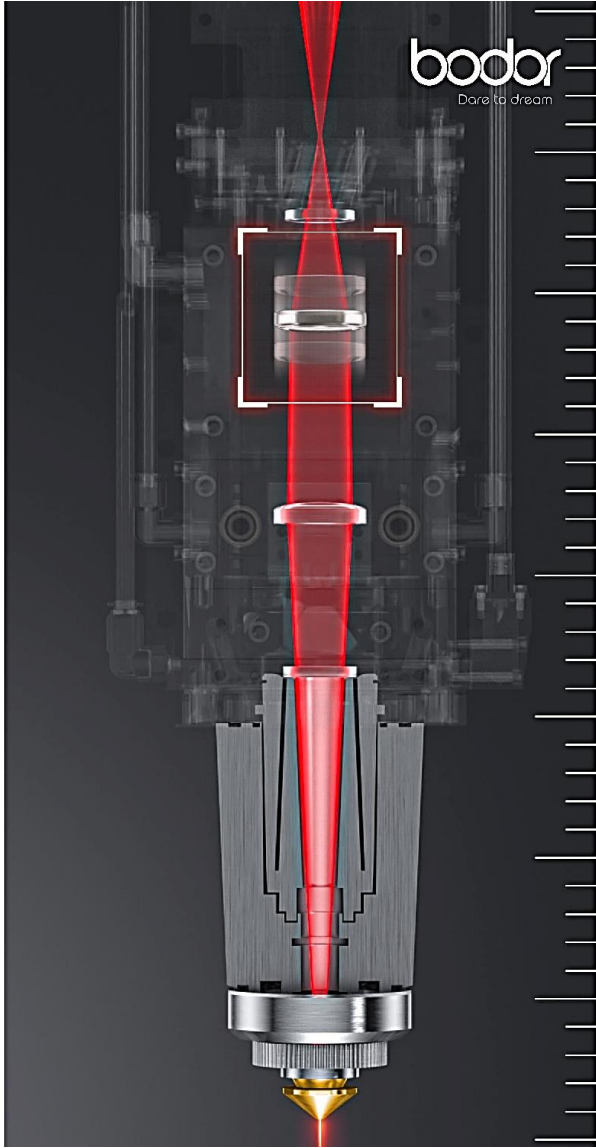




## Thick plate over-heat compensation

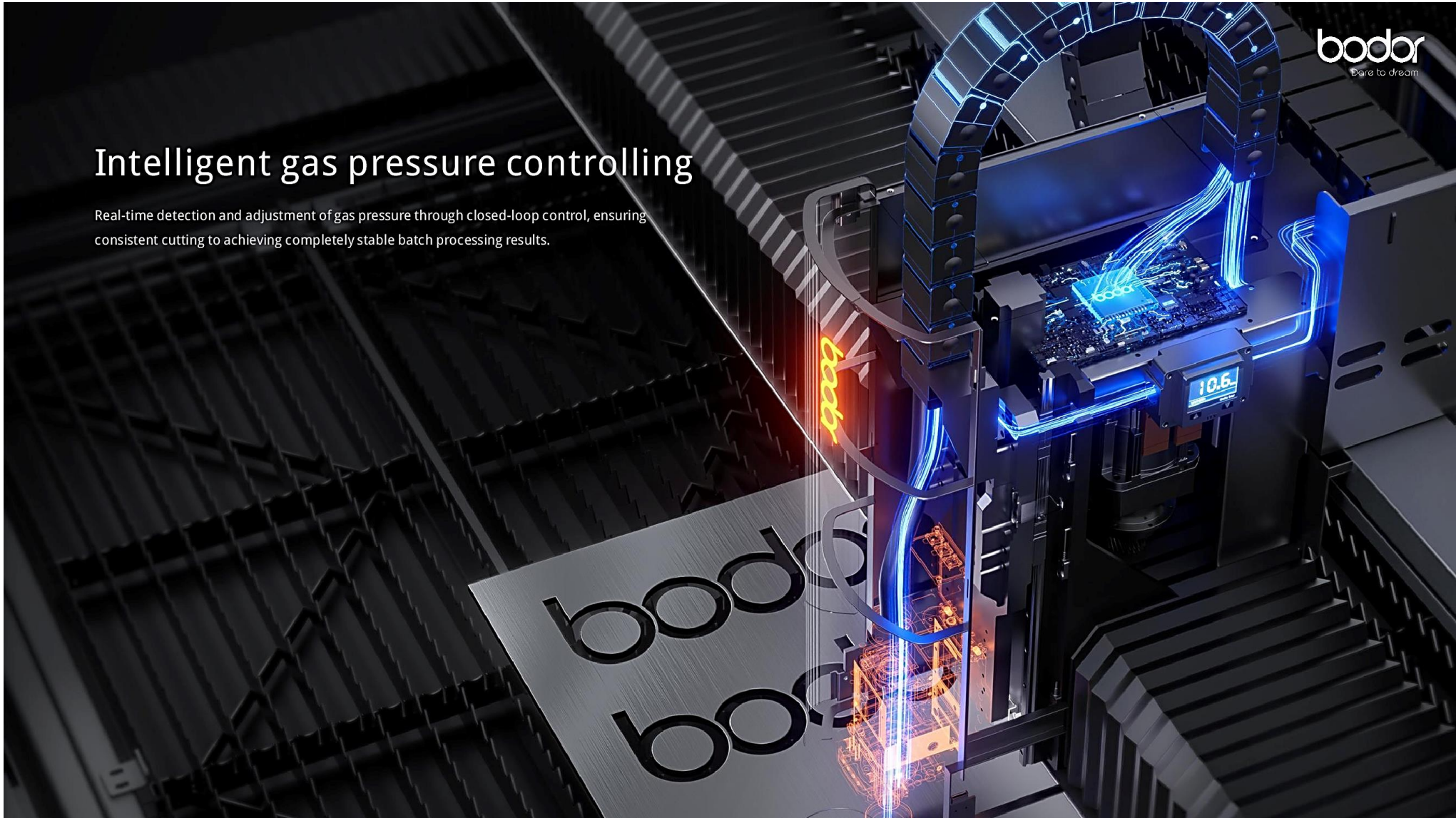
Automatically calculates and compensates for the "drift" of the cutting head focus from multiple dimensions, such as time and temperature.

Ensures long and stable cutting of medium and thick plates without the need for manual intervention



## 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.





# Circulating air extraction

Synchronous smoke extraction following the cutting position  
Effectively tackle the smoke and dust pollution in the workshop.

# Aircraft-grade aluminum crossbeam

**25%**

Structural strength enhanced by

**30%**

Weight reduced by



\*Relative to the last generation

Technical processing sharing

Accessories online store

Auxiliary operation

Equipment real time monitoring

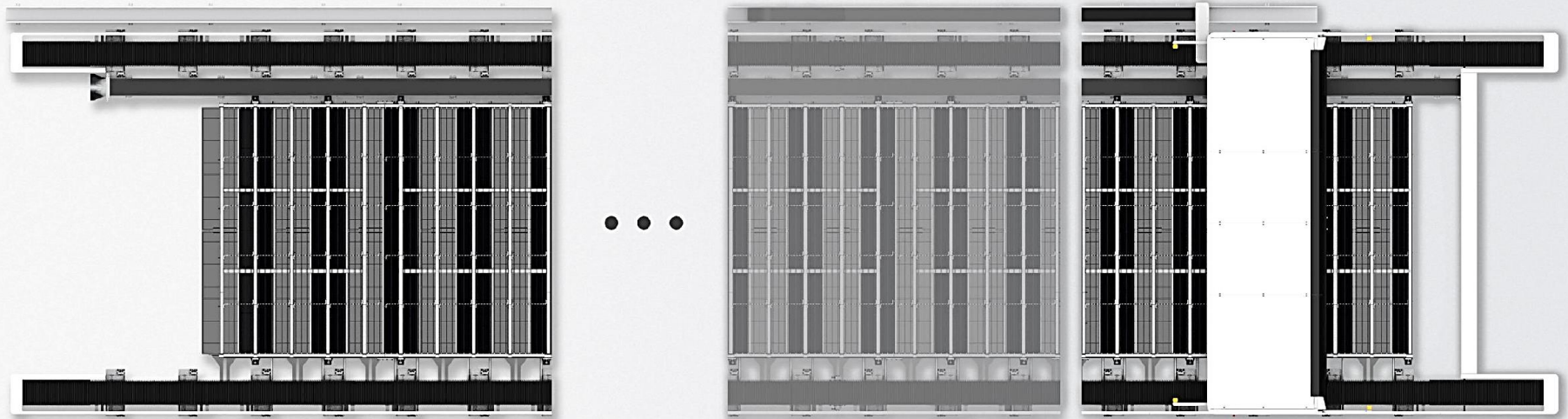
Regular maintenance reminder

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



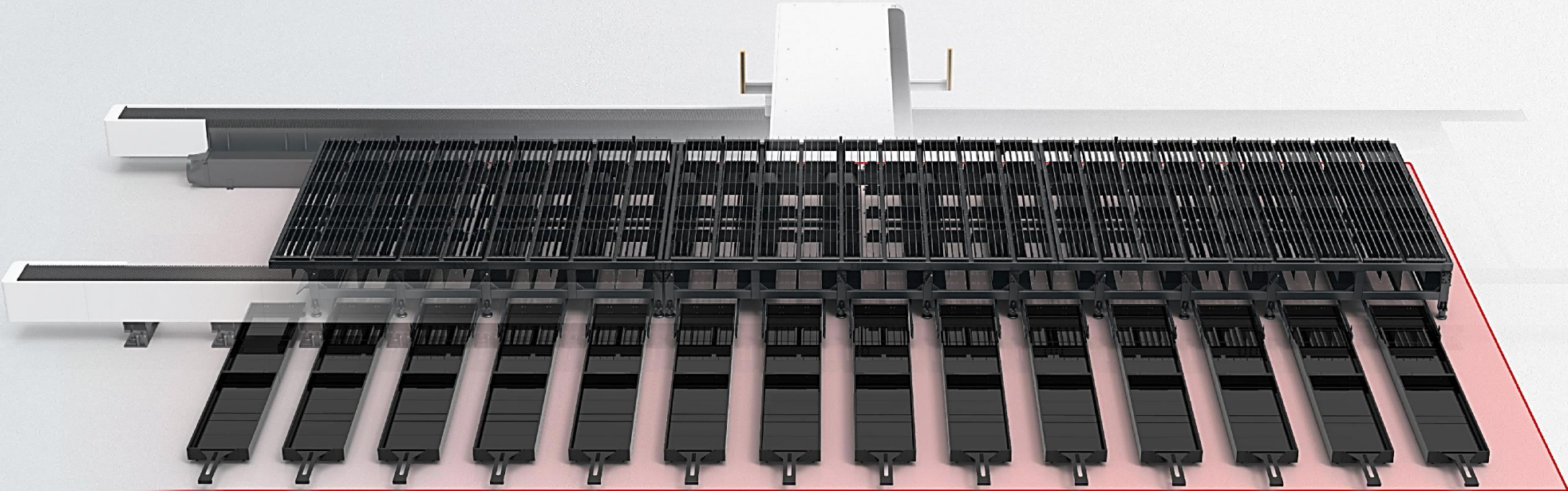
$12+4*N$  meters

# Modular bed

12 meters + N modular bed, table bed completely separated design, cutting sheet format can be customized

# Flexible modular device matching

Free combination of modular table, scrap trolley, air extraction and dust removal.



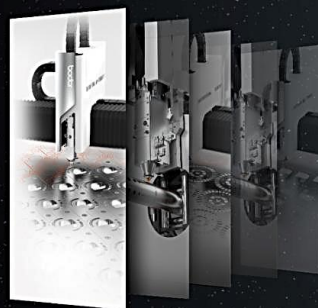
Bodor

# 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.

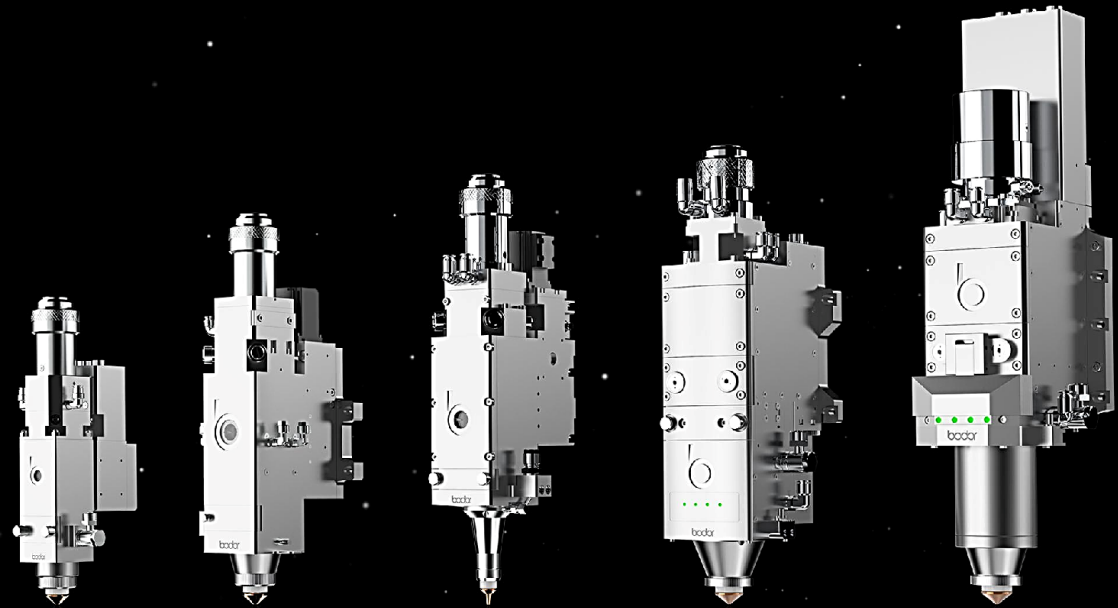


Being the core component of a laser equipment, the laser is like the engine of a car or the CPU of a cell phone.

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.

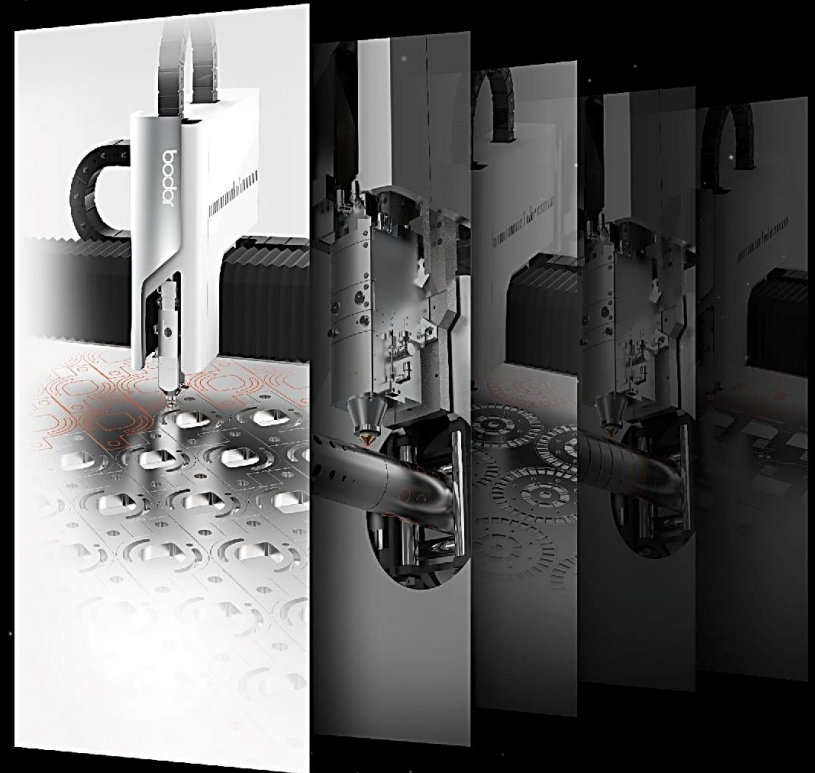
Typically, complete machine manufacturers tend to install outsourced operating systems on their machine tools, which is akin to "installing someone else's head on their own body" - the poor compatibility between software and the hardware inevitably results in frequent mechanical failure .....

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.

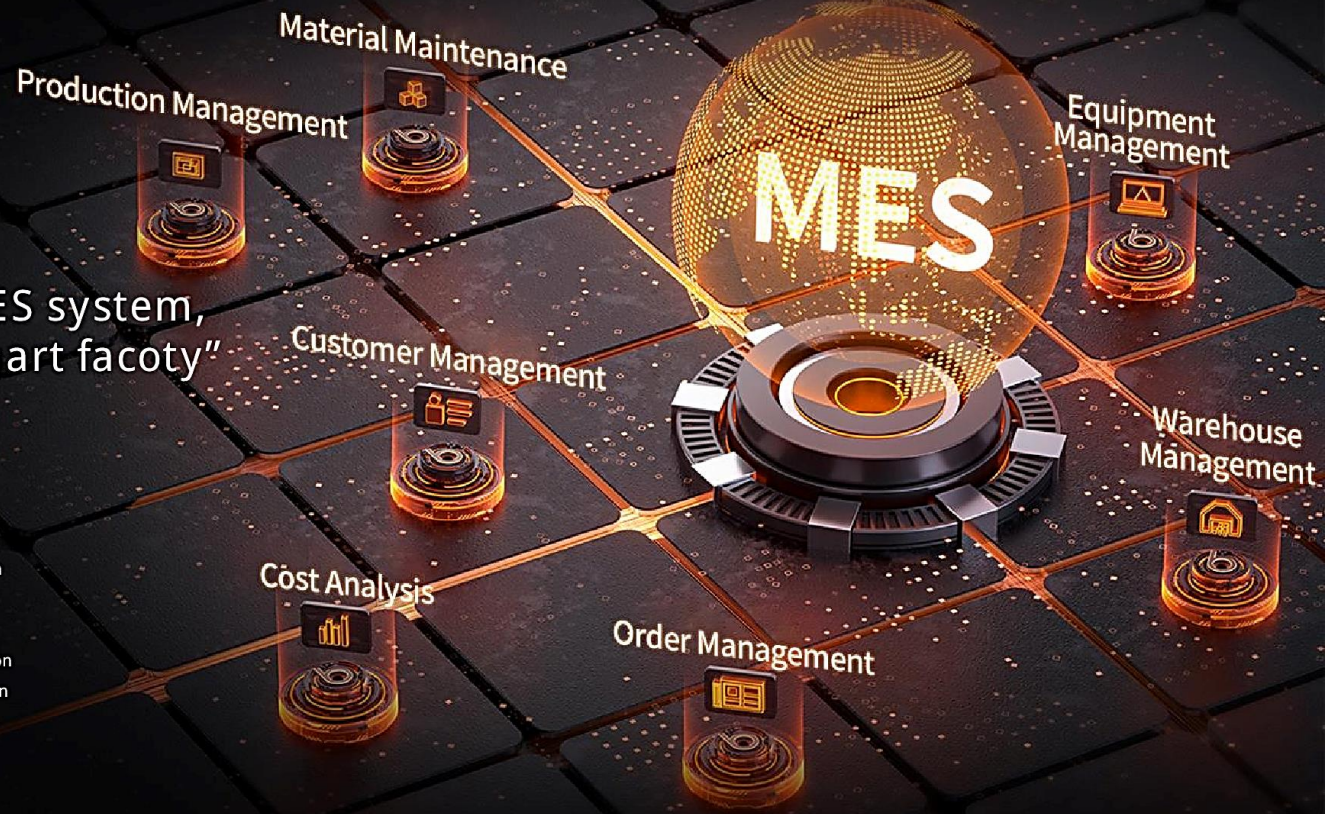
**BodorNest, Bodor's self-developed nesting software has been successfully launched, which achieves a perfect loop of nesting, system control and cutting optical path.**

BodorNest nesting software is developed by BODOR 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.



## 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.





# 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.

(optional)

# Bodor laser scanning cutting machine pioneers a new category in the industry

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

## What is scanning cutting?

Overturns the conventional 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.

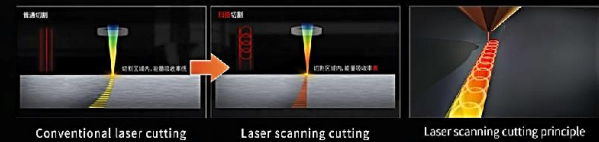
### 3 innovative features of Scanning cutting

**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.



(optional)

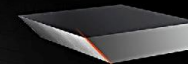
**bodor**  
Dare to dream

## Bevel cutting of various shapes

With bevel cutting module, bevel cutting can be completed during feeding, saving processing procedures and reducing cost.



v-cut bevel



A-cut bevel



Top Y-cut bevel



X-cut bevel



K-cut bevel

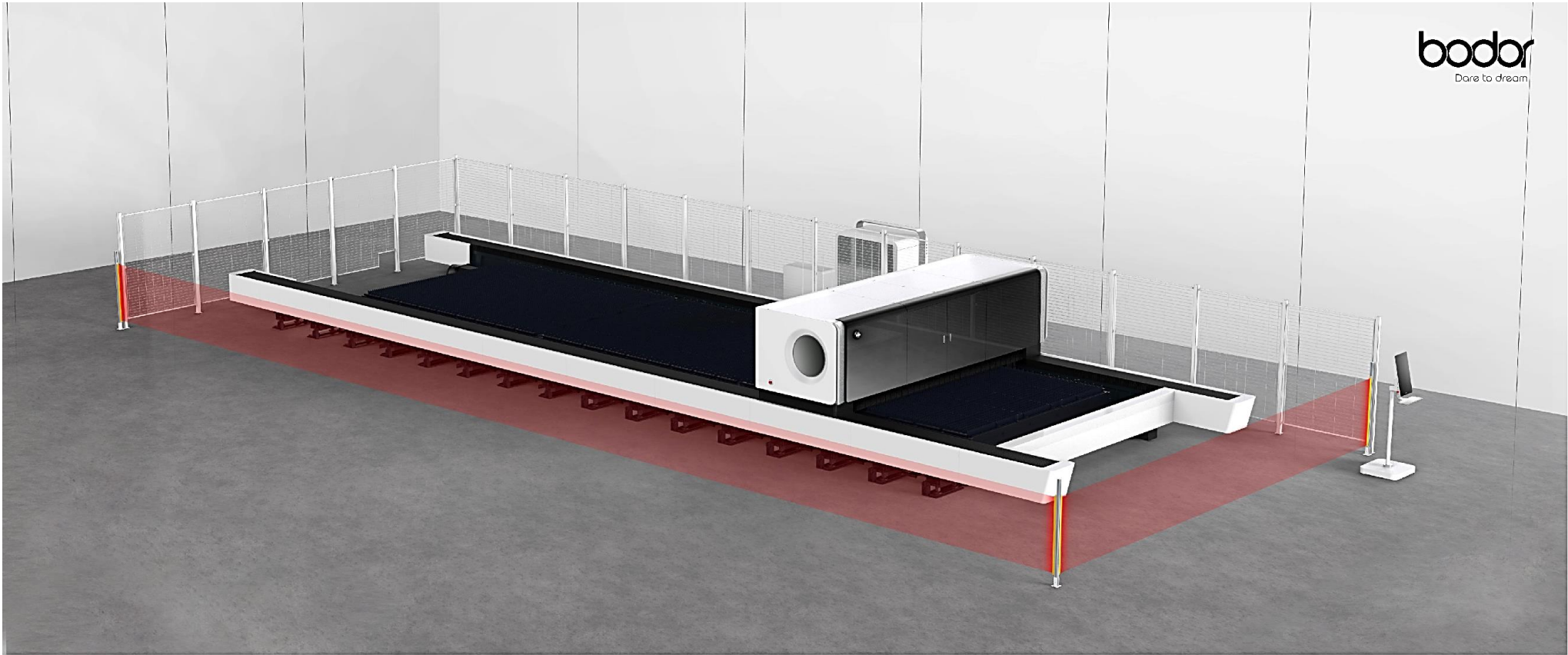


# MANGO

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.





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High safety standards, with North American **ETL** and European **CE** double safety certification



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## H series Function&parameter List

	H24	H20	H16	H12
Working area	24500mm*3200mm	20500mm*3200mm	16500mm*3200mm	12500*3200mm
Max. linkage speed	80m/min	80m/min	80m/min	80m/min
Table load bearing	34000KG	28000KG	23000KG	17000KG
Positioning accuracy	0.02mm/m	0.02mm/m	0.02mm/m	0.02mm/m
Repositioning accuracy	0.01mm/m	0.01mm/m	0.01mm/m	0.01mm/m
Air pressure intelligent control	12KW and above	12KW and above	12KW and above	12KW and above
High quality Cutting Expert Database	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Remnant Typesetting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active anti-collision function	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gantry structure	Triangular type ultra-high pressure honeycomb aluminum gantry			



## Supply

The equipment must be ready for collection within 30 working days of signing the contract and receiving the first payment.  
Equipment delivery time - 80 days after equipment departure.

**Offer price H 12 12000/3200 mm**  
**with 30 kWt MAX Photonics source (DDP): Price EUR 295,000.00**  
**excl. VAT;**  
**with 40 kWt MAX Photonics source (DDP): Price EUR 327,000.00**  
**excl. VAT;**  
**with 60 kWt MAX Photonics source (DDP): Price EUR 373,000.00**  
**excl. VAT.**

## The price includes

In accordance with the Incoterms "Delivered Duty Paid" (DDP) rules, the seller assumes all responsibility and costs for the delivery of the goods to the named destination. The seller must pay for both export and import formalities, duties, duties and taxes. The seller is not obliged to insure the goods before shipment or main carriage. The buyer is free from any risk or cost until the goods are unloaded from the means of transport at the named place of destination, usually the buyer's place of work.

Shipping port: Qingdao port, China.  
Destination port: Tallin, Estonia

H12 BODOR CE 12500/3200 mm  
 Laser source – MAX PHOTONICS;  
 Bodor laser head;  
 Cooling - water;  
 Air Compressor for Air Cutting 37kWt, 16 bar;  
 Filtration unit Clean Air;  
 Bevel cutting (3D);  
 Lantek Software;  
 Mortise-and-tenon type plate welded segmented bed;  
 Laser cutting head with Auto focus system;  
 CNC system – BodorThinker 3.0;  
 Assembling and Training;  
 Sea transport to Tallin port;  
 Customs duty (5% of the offer price);  
 Voltage stabilizer;  
 3-year warranty.

## Payment conditions

40% of the contract amount excluding VAT is paid by the buyer in advance within 5 working days from the date of signing the Agreement.

50% of the contract amount excluding VAT is paid by the buyer within 3 days from the date of written notification from the Supplier about the readiness of the machine for loading at the port of departure.

10% of the contract amount excluding VAT is paid within 5 days after the machine is started and the Acceptance Certificate and Invoice are signed.

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- ✦ Welding Robotic Solution
- ✦ Sheet Metal Working Machines
- ✦ Service & Technical Support

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## Payment conditions

50% of the contract amount, the buyer pays in advance within 5 days from the Contract the moment of signing.  
40% of the contract amount without VAT, the Buyer pays within 3 days from the date of the Supplier's written notification of the machine's readiness for loading at the port of departure.  
10% of the contract on the day of dispatch of the machine from Lithuania to the customer's address.

**bodbr**  
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