

# OR-TP series

## H-beam High-efficiency Fiber Laser Cutting Machine

12000W-20000W

- One-stop Solution for the Steel Structure Industry
- Dual-workstation Table Design, Cost-Saving
- Integrated Multi-process Package, Flexible and Efficient Processing
- Professional Profile Cutting System, Intelligent Nesting Assistance
- Precise Workpiece Compensation, One-time Forming
- One-stop Processing Workflow, Saving Labor Costs







Shandong Oree Laser Technology Co., Ltd is a high-tech enterprise integrating R&D, production and sales of laser application equipment. Products mainly include flatbed fiber laser cutting machine, tube fiber laser cutting machine, sheet & tube dual-use fiber laser cutting machine, 3D fiber laser cutting machine and hand-held welding machine.

The company has a manufactory of 66,000 square meters, including modern standard factory buildings of 4,0000 square meters and smart office building of 6,000 square meters.

**66000m<sup>2</sup>**

Manufactory

**6000m<sup>2</sup>**

Smart Office Building

**40000m<sup>2</sup>**

Modern Standard Factory Buildings



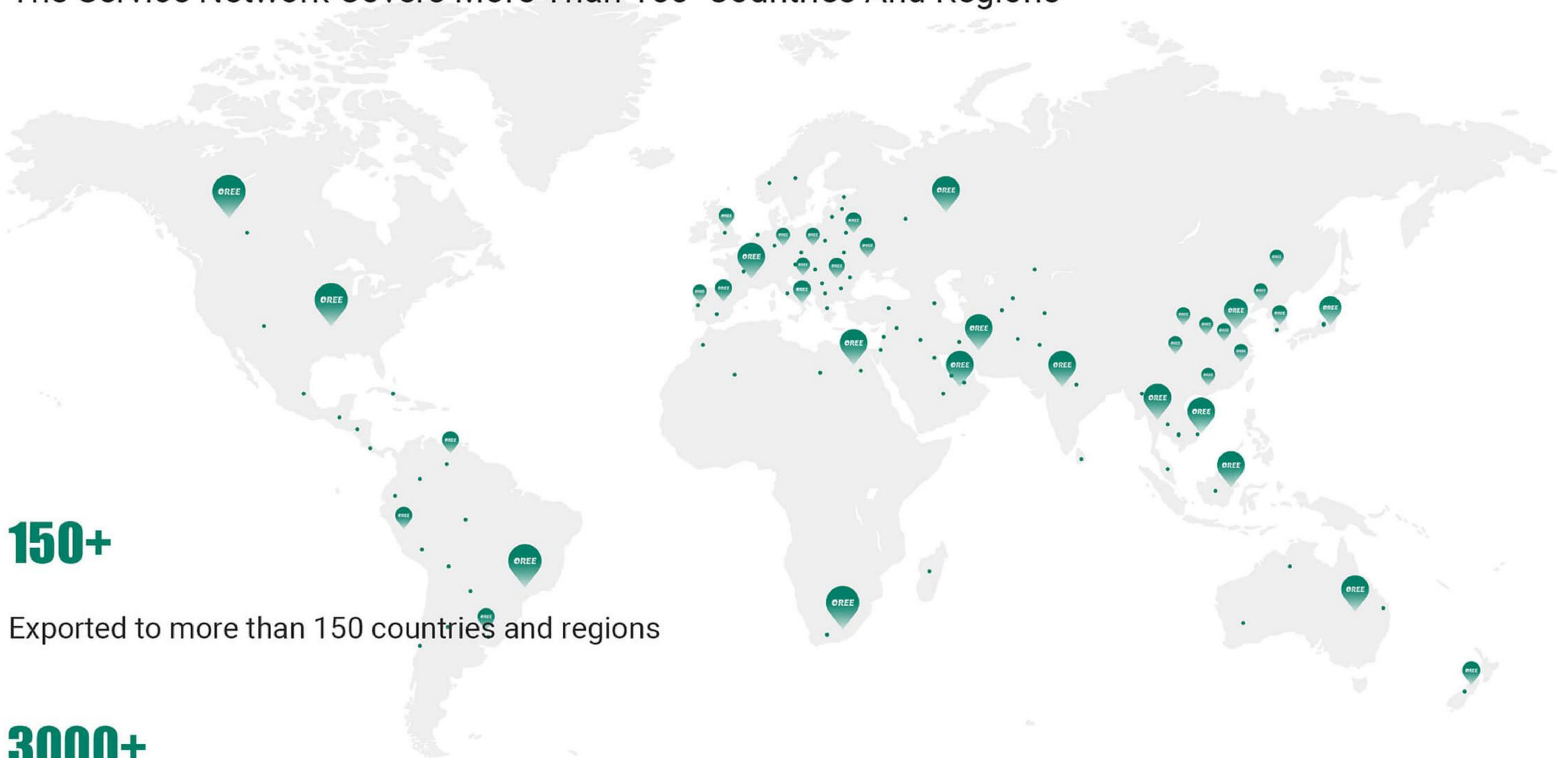
## OUR TEAM



## Global marketing service network

With China As The Center

The Service Network Covers More Than 150 Countries And Regions



**150+**

Exported to more than 150 countries and regions

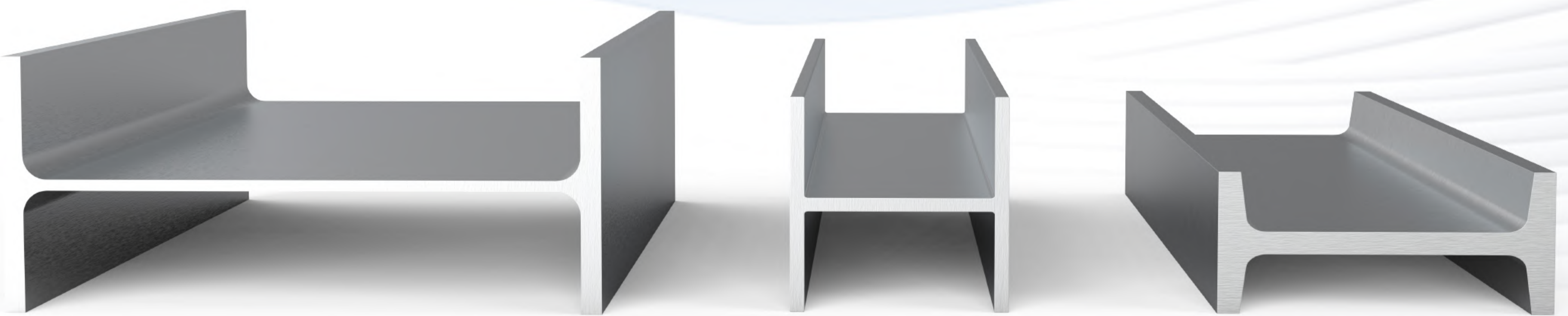
**3000+**

Annual production of more than 3000 units



# One-stop Solution for the Steel Structure Industry

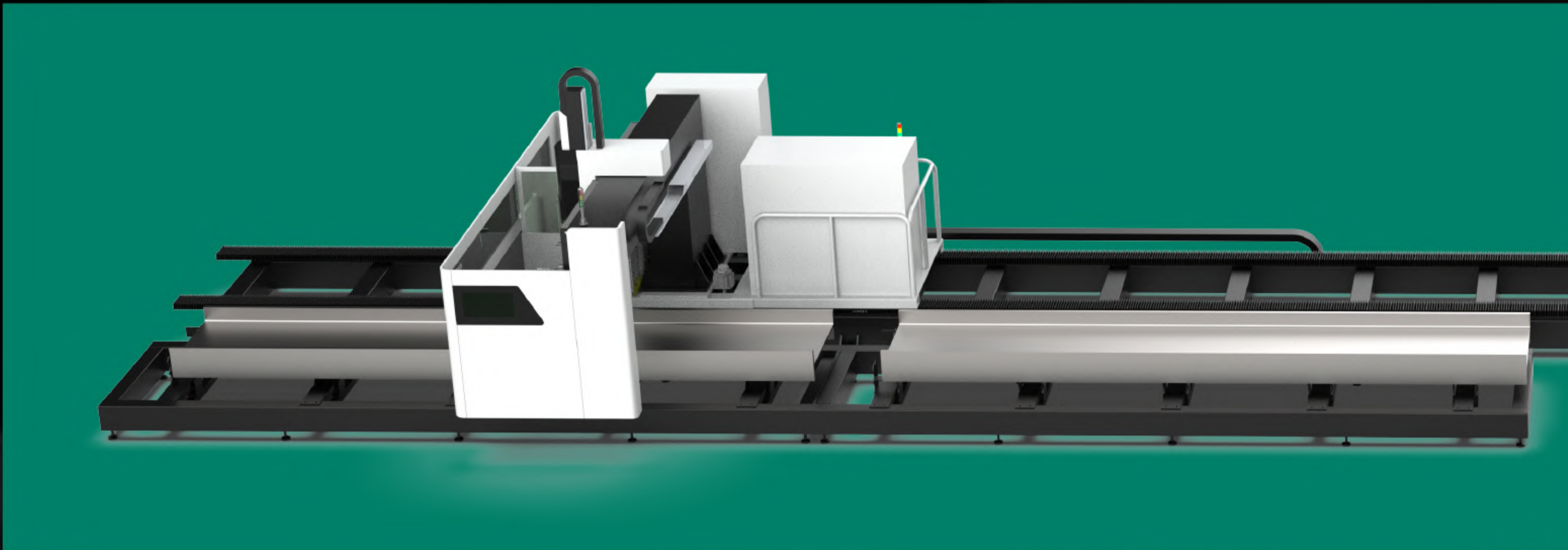
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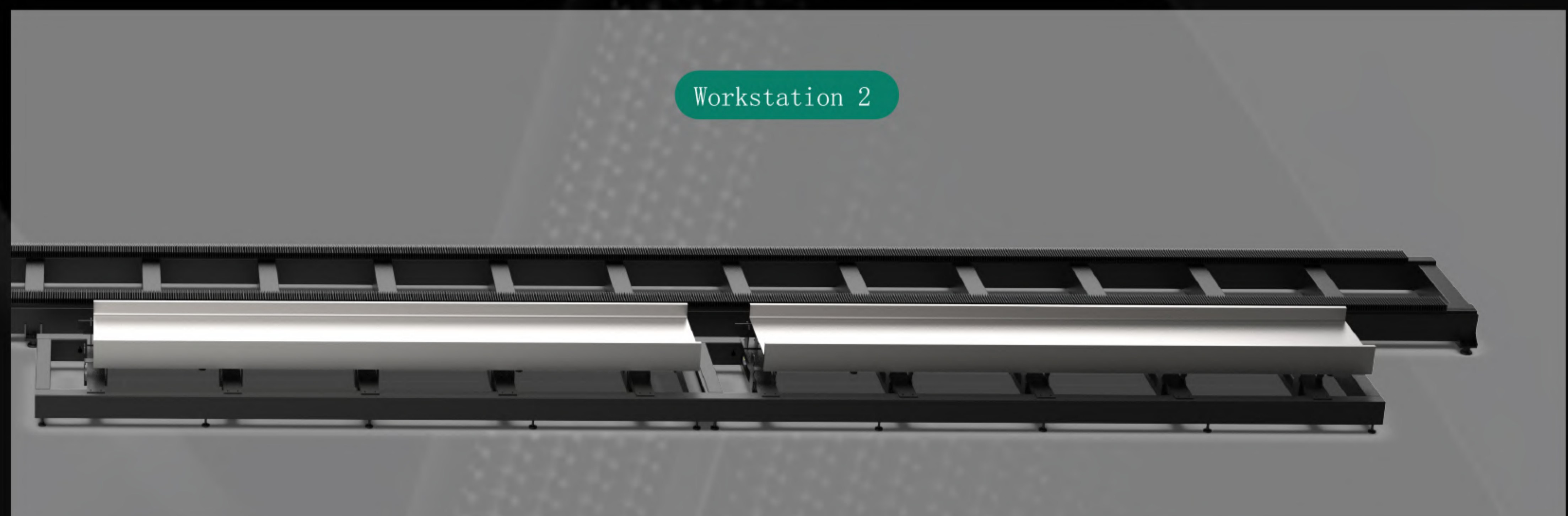
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- Customized research and development for the steel structure industry, specializing in I-beams, HW, HM, HN-type steel, one-stop assistance to reduce costs and increase efficiency in the steel structure industry.



## Dual-workstation Table Design, Cost-Saving



Workstation 1

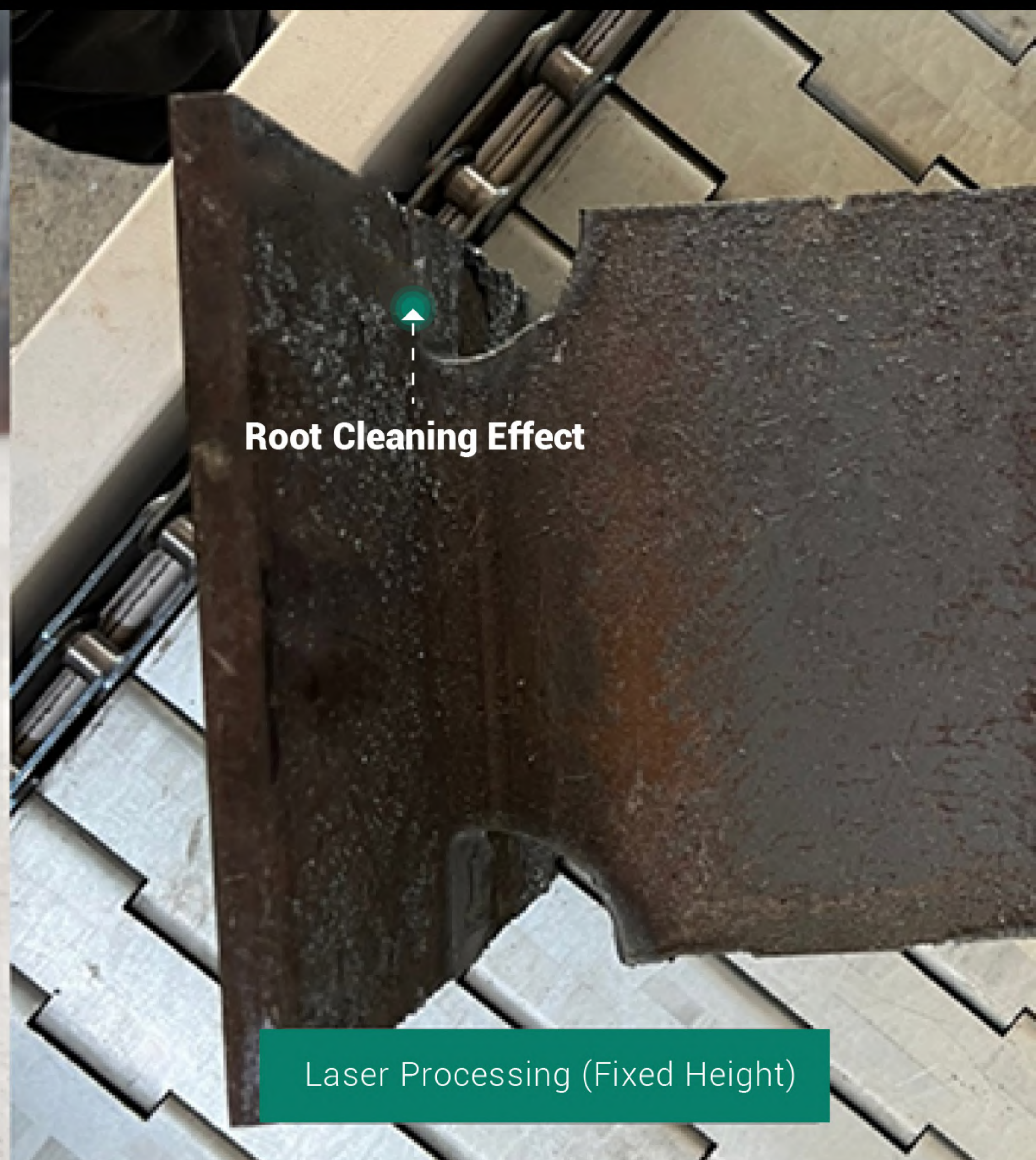


Workstation 2

- Using heavy-duty machine tool on rails for stable cutting; dual-workstation table design with high one-time piercing rate, enabling simultaneous cutting and loading/unloading, saving time and labor costs.



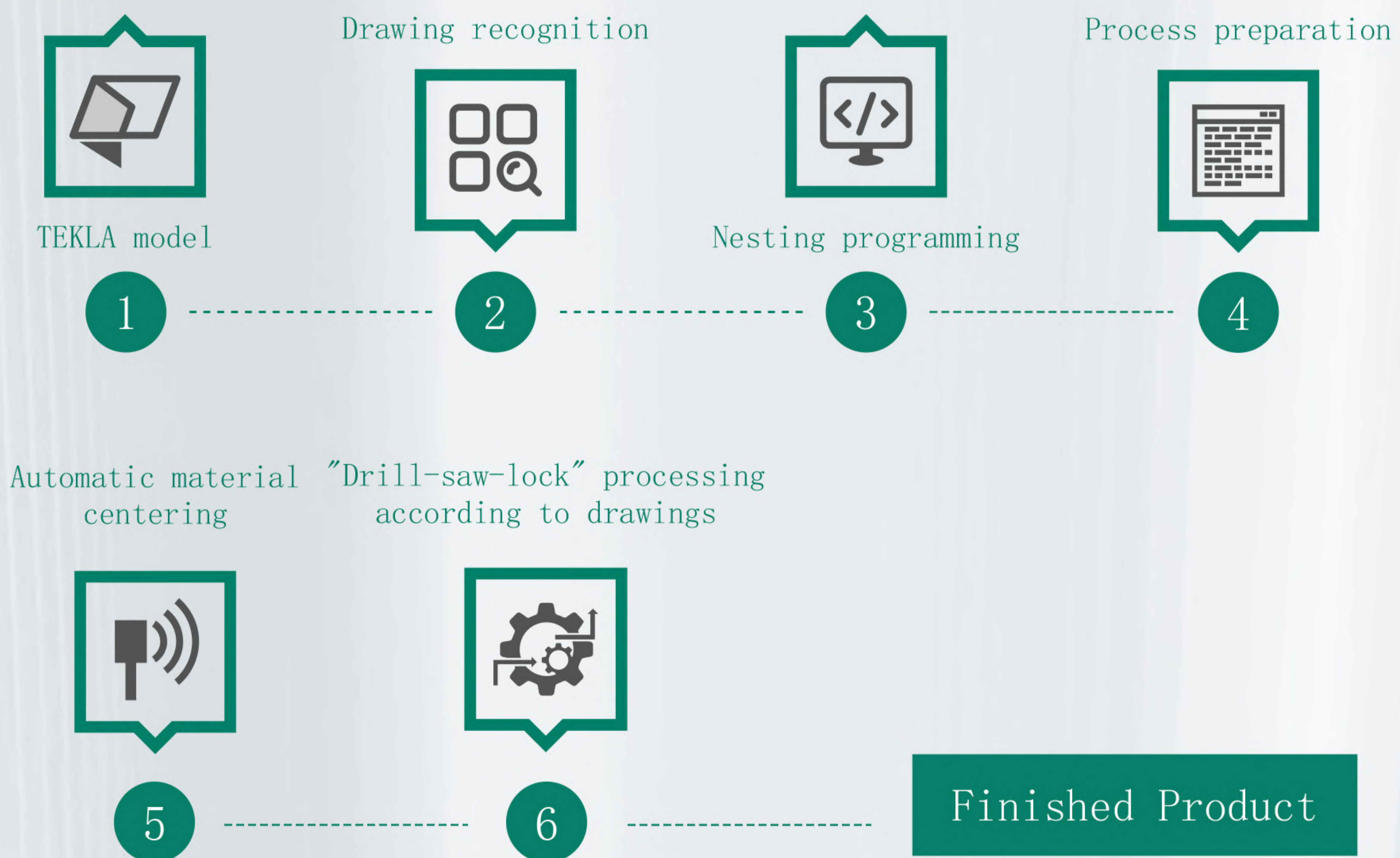
# Integrated Multi-process Package Flexible and Efficient Processing



- Integration of various I-beam cutting processes, enabling automatic material finding and centering, easily handling cutting, punching, engraving, marking, and bevel cutting.



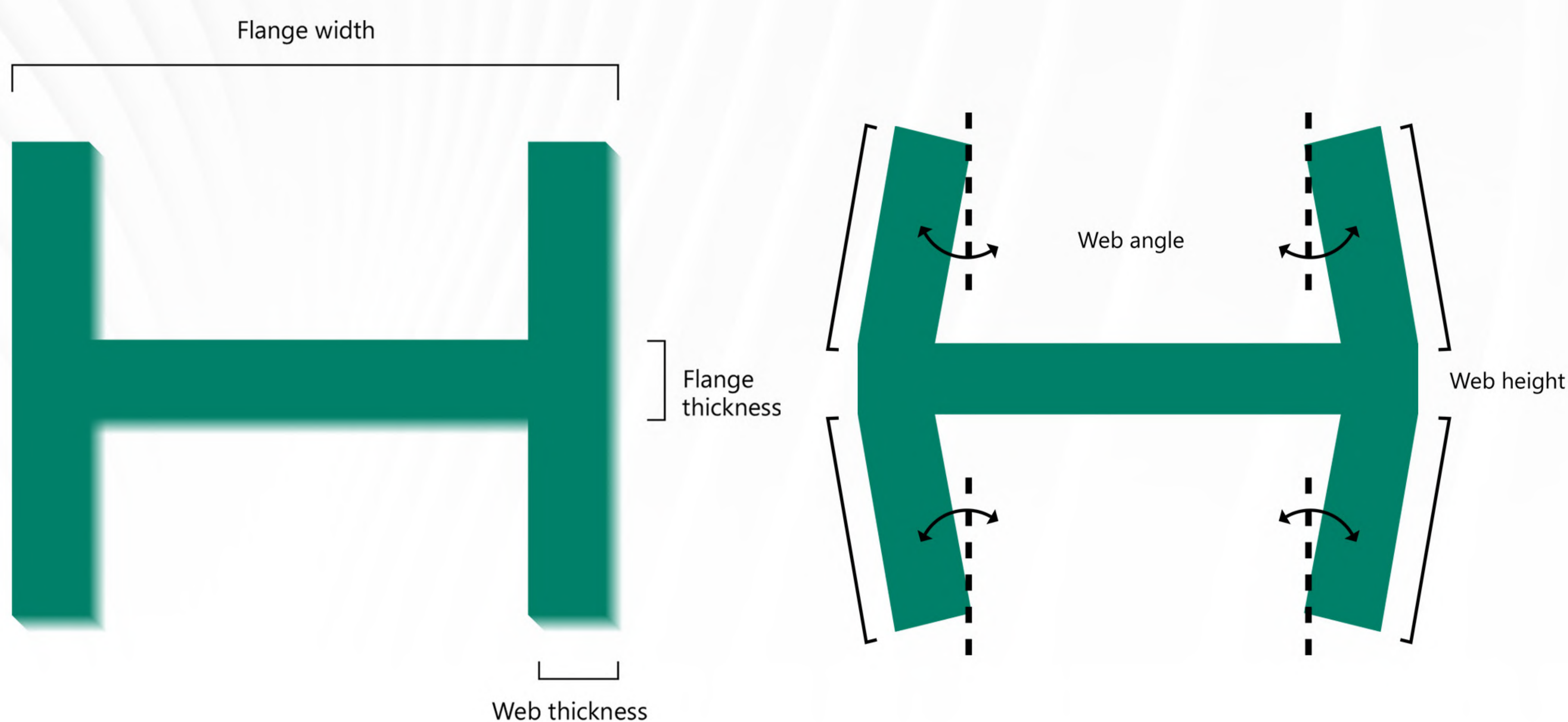
# Professional Profile Cutting System, Intelligent Nesting Assistance



- Seamless connection of Tekla with equipment's intelligent nesting feature, providing efficient material saving, automatic sorting, precise cutting, and other functions, effectively boosting the drive for secondary processing of steel.



# Precise Workpiece Compensation One-time Forming



- Precise blade path compensation for flanges and webs, reducing thermal stress deformation, smooth cutting surface, one-time forming, eliminating tedious processes, saving labor costs.



# One-stop Processing Workflow Saving Labor Costs

Manual Processing



VS

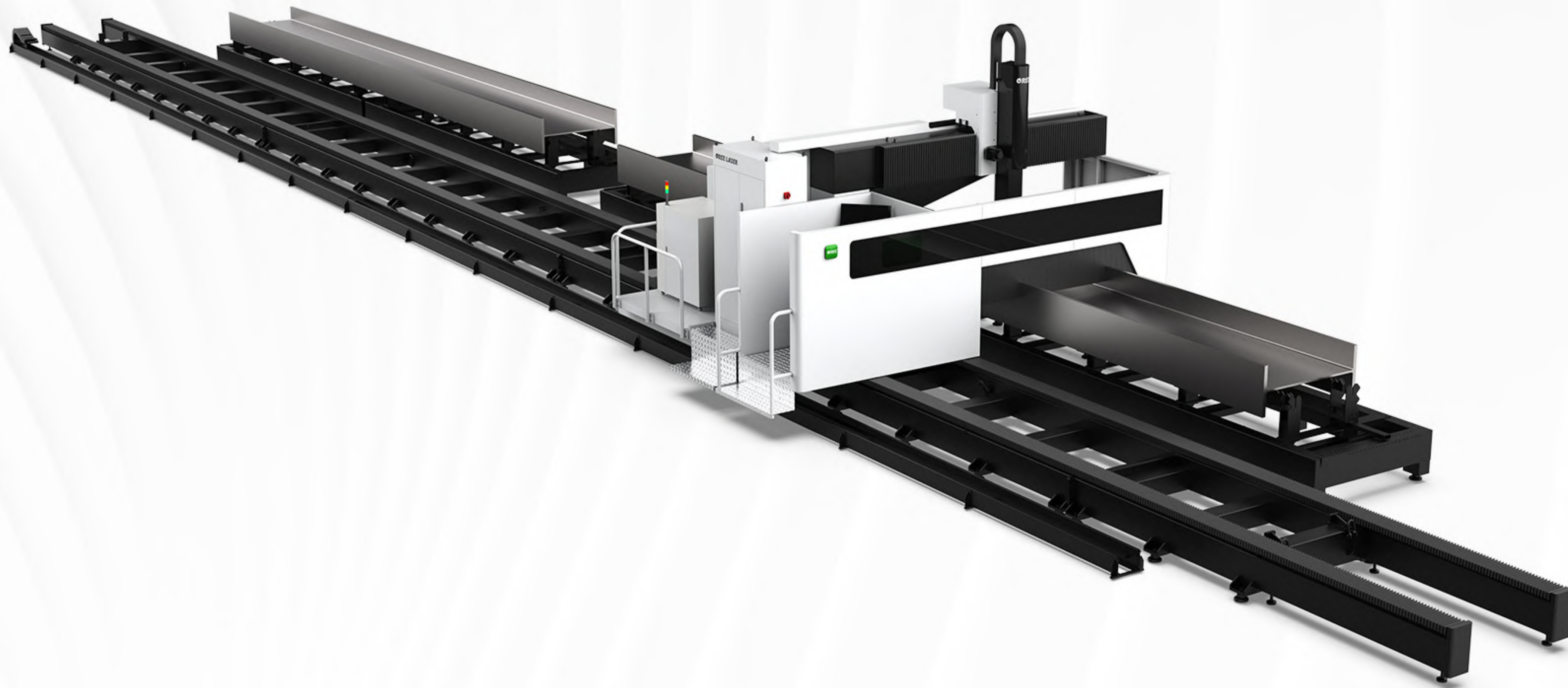
H-beam Laser  
Processing Line



- Intelligent operation, one-stop processing, high cutting accuracy, one-person operation, saving the work of 3-4 workers, improving processing efficiency.



# Technical parameter



Model	OR-TP
Laser Power	12000W-20000W
Mainframe size	31000*5000*3700
Positioning accuracy	±0.25mm
Repeat Positioning Accuracy	±0.05mm
Cutting scenarios	Web/flange plate cutting, beveling, over-welding holes, bolt holes, marking, etc
Cutting range	Flange plate, web plate

