

Bodor T Series

Professional Model | Dual-Chuck High-Precision Tube Laser Cutting Machine





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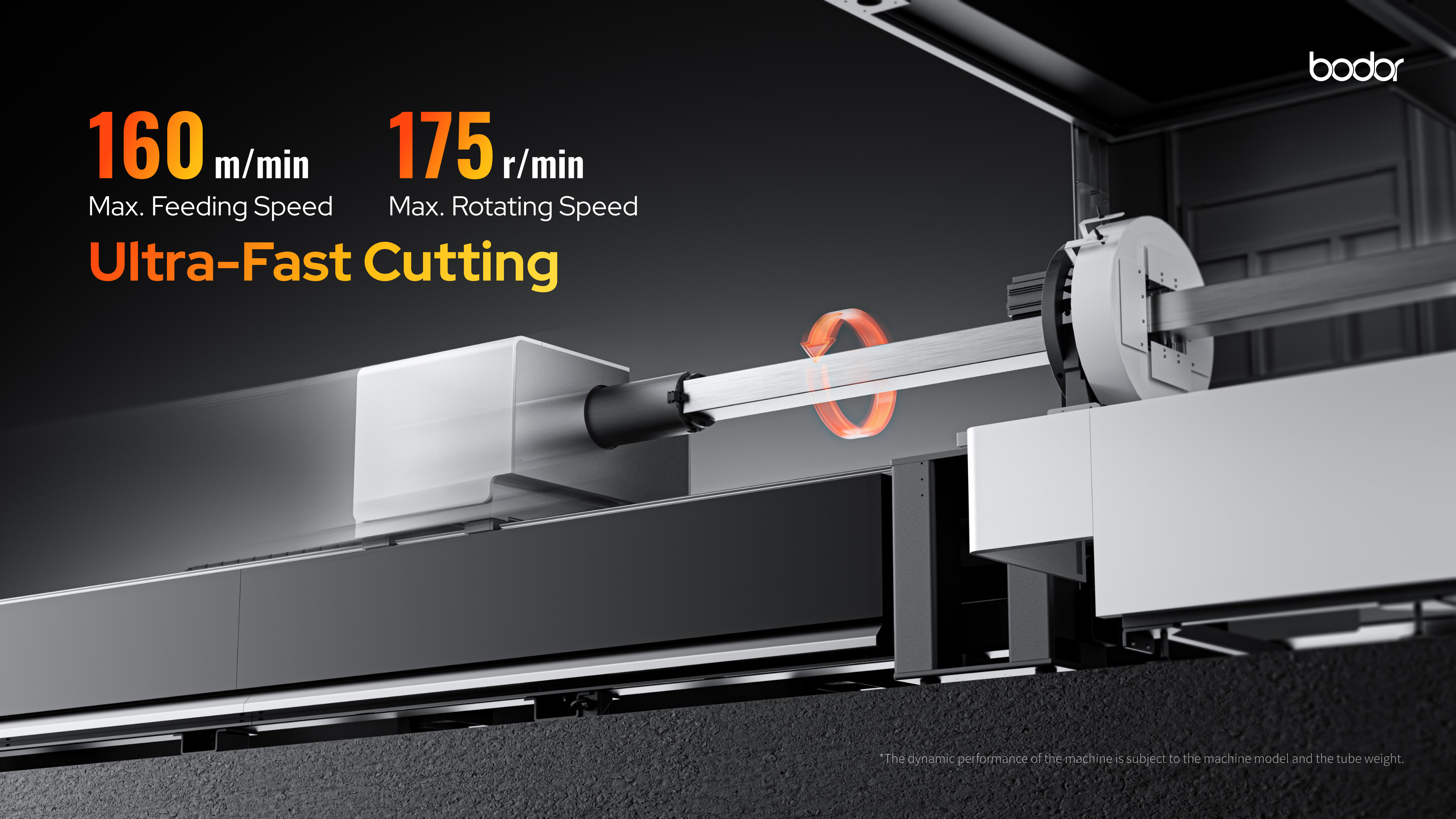
Efficiency Master

Processing efficiency of single tube leads the industry by 20%, delivering a peak processing experience.

160 m/min
Max. Feeding Speed

175 r/min
Max. Rotating Speed

Ultra-Fast Cutting



*The dynamic performance of the machine is subject to the machine model and the tube weight.

1 Second Centering No Waiting Time

1 Second Centering brings three-fold improvement: The centering efficiency increases by 20 times through a line laser profile sensor. The cutting efficiency doubles through the precision identification technology. It is resistant from oil stains, rust, deformation, or other tube conditions, stabilizing operations with high adaptability.

1 Second Centering
Rectangular Tube

0.26 s

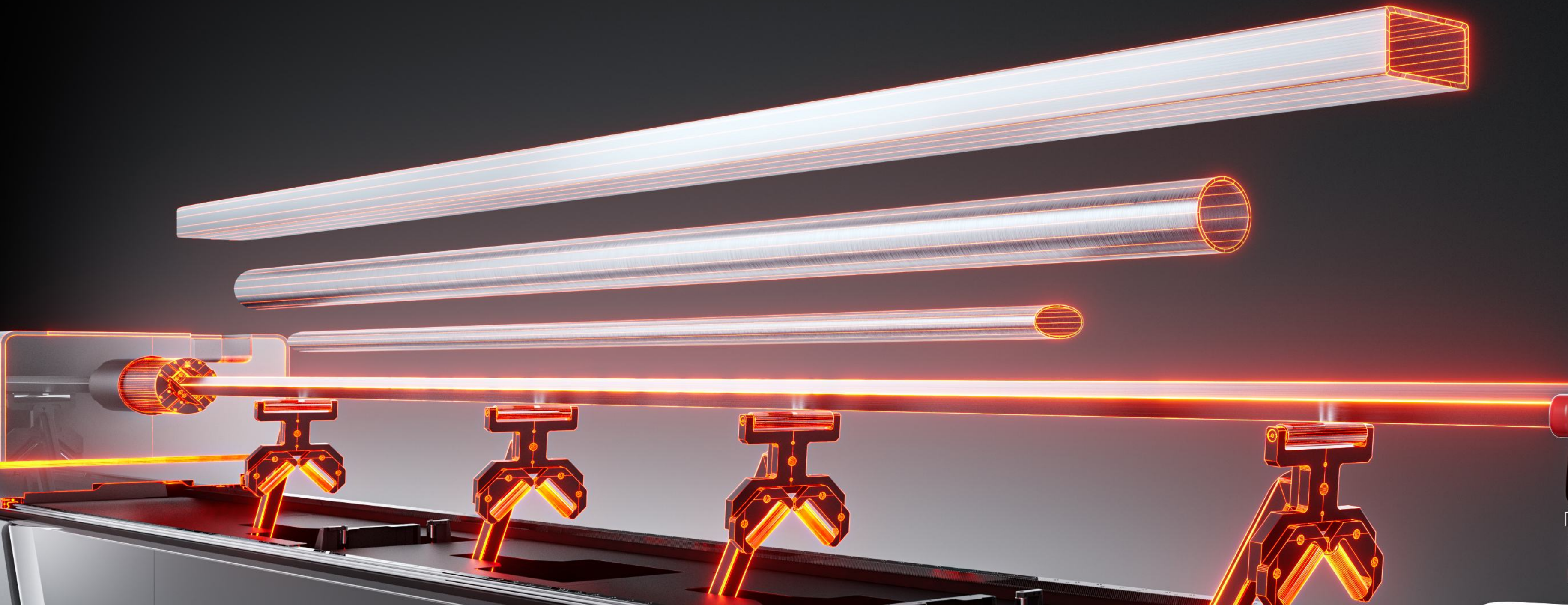
Capacitor Centering
Rectangular Tube

5.02 s

Intelligent Adaptive Processing for Optimal Parameters Zero Manual Intervention

Bodor's database encompasses parameters for all kinds of varieties. T series can intelligently select and match parameters like feeding speed, chuck rotating speed, and clamping force for your tubes, ensuring the best operating performance at all times.

Types	Diameter (mm)	Weight (kg)	Intelligent Adaptive Processing Parameters		
			Chuck Rotation Speed (r/min)	Feeding Speed (m/min)	Clamping Air Pressure(MPa)
Round	230	247	30	20	0.9
Square	120	150	80	40	0.7
Small Square Tube	20	4.1	160	160	0.3



重管限速配置

输入指定数据，软件自动算出限速公式。
要求重量以递增方式输入！

数据行数 10 确定

设置

数据	管材重量(kg)	限速	X全移速度(mm/s)	X加速度(mm/s²)	A全移速度(r/min)	A加速度(deg)
1	5.0	限速	2500.0	15000.0	150.0	150.0
2	20.0	限速	2500.0	13000.0	150.0	150.0
3	50.0	限速	2500.0	10000.0	140.0	150.0
4	100.0	限速	2000.0	10000.0	120.0	150.0
5	120.0	限速	2000.0	9000.0	90.0	150.0
6	170.0	限速	1800.0	8000.0	80.0	150.0
7	220.0	限速	1500.0	7500.0	60.0	150.0
8	250.0	限速	1200.0	6000.0	50.0	150.0
9	300.0	限速	1000.0	4000.0	30.0	150.0

更新数据 退出

系统参数设置 确定 取消

轴 机械坐标 反馈坐标 低速

Y	0.000	0.000	6000 mm/min
X	0.000	0.000	6000 mm/min
Z	0.000	0.000	1200 mm/min
A	0.000	0.000	1800 deg/min

焦点位置: mm

A+ A- Z+ Z- 仿真倍率

10 %

后退 连续 前进

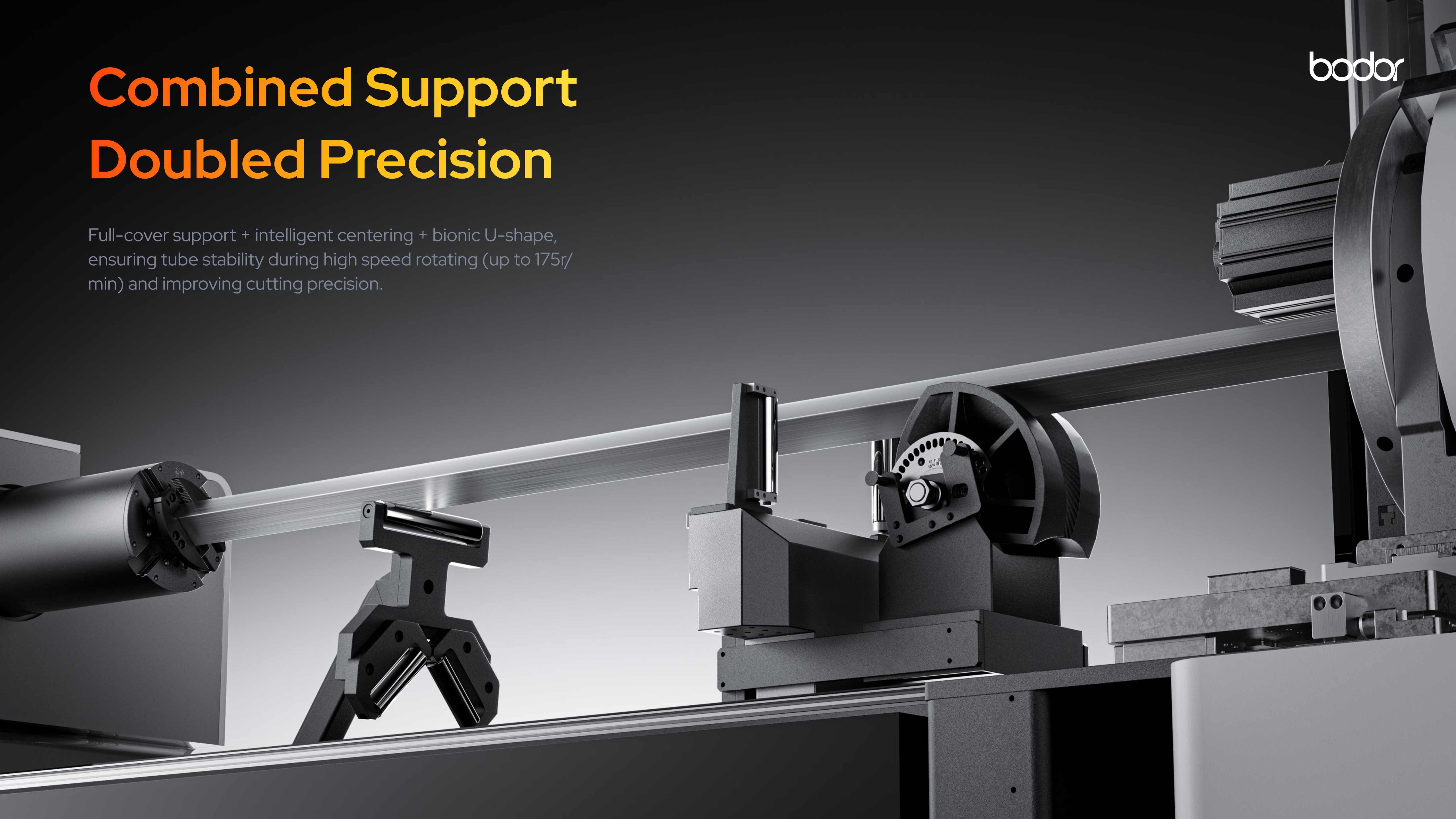
Optional
Weld Seam Identification
Flexible Adaptation

Equipped with a high-sensitivity ultra-clear camera and AI self-learning function, it precisely identifies weld seam positions, enabling cutting avoidance.

Combined Support Doubled Precision

Full-cover support + intelligent centering + bionic U-shape, ensuring tube stability during high speed rotating (up to 175r/min) and improving cutting precision.

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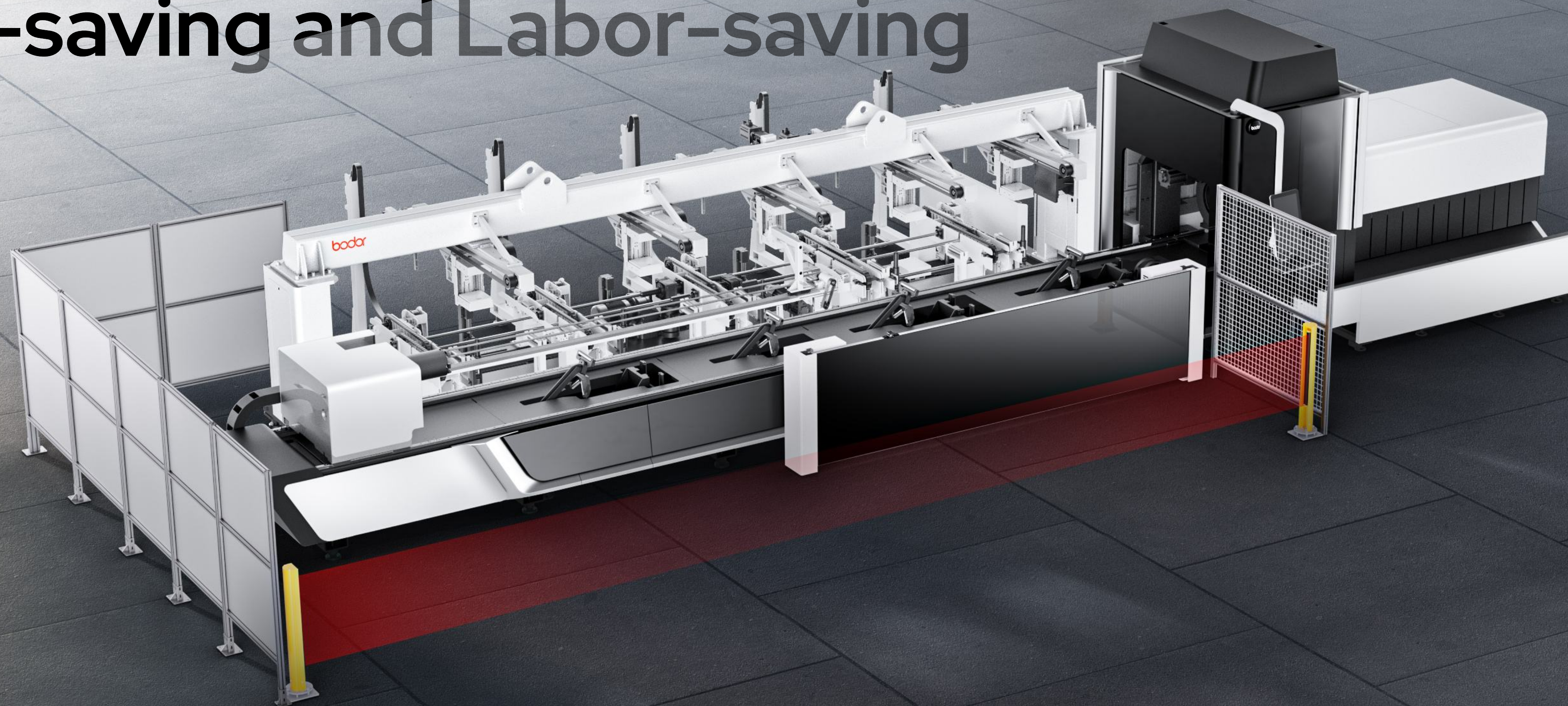


Servo-flipping Unloading Precision Further Elevated

Utilizing a new form of servo-flipping unloading, reducing the workpiece's movement during cutting and further enhancing cutting accuracy. Automatic material sorting and unloading save both time and effort.

Optional

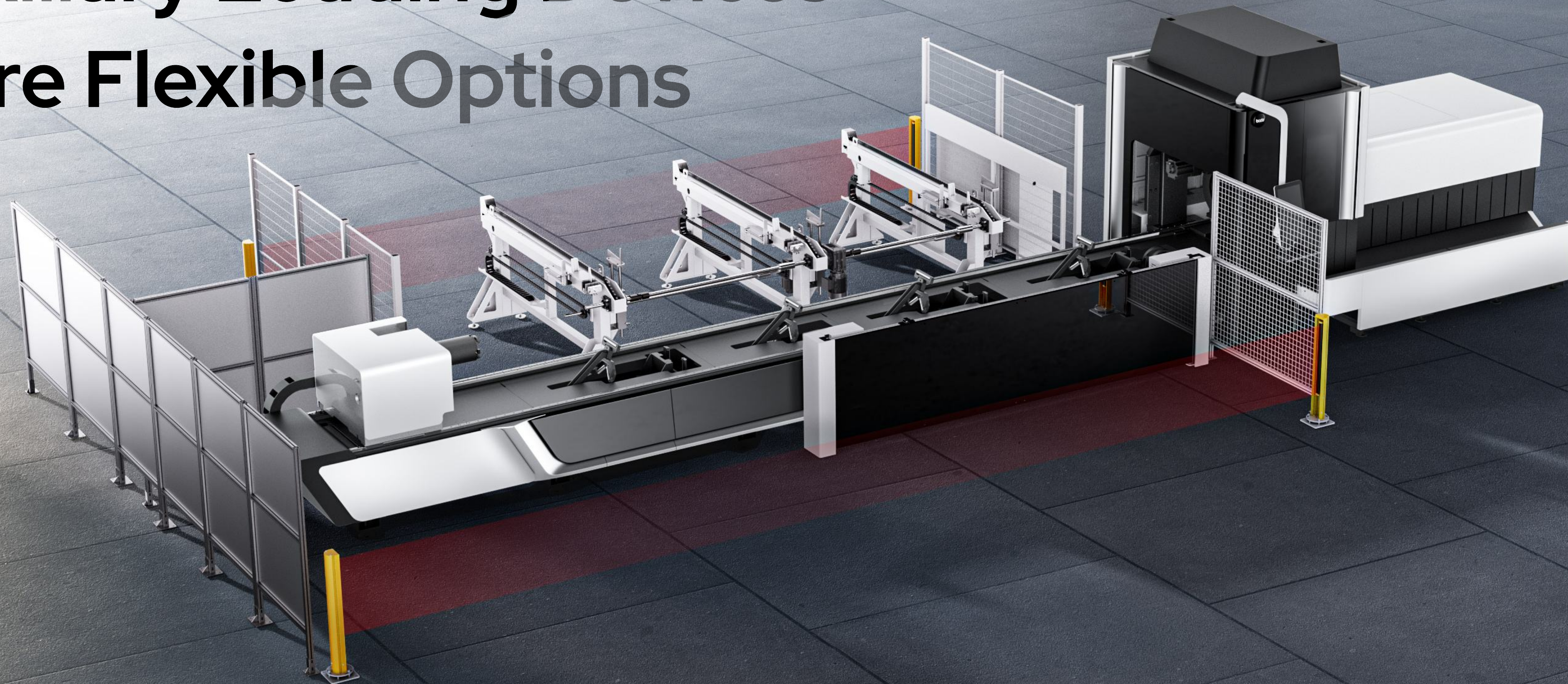
Automatic Loading Time-saving and Labor-saving



The maximum loading weight is 3 tons, enabling high-speed cyclic automatic loading over an extended period of time.

Optional

Auxiliary Loading Devices More Flexible Options



High-speed automatic loading further facilitates processing through flexible specification settings.

5-year Warranty for Bodor **Self-developed** Three Core Laser Components

With our perfect integration technology for the self-developed BodorThinker control system, BodorPower laser source, and BodorGenius laser head, we can extend the service warranty for these three core components to five years! The three core components are designed, produced, tested, and delivered in an integrated manner, working perfectly together to make the equipment run more stably and efficiently. At the same time, it greatly reduces the risk of component contamination and failure rate, extends the lifespan, and lowers maintenance costs by avoiding repeated assembly.



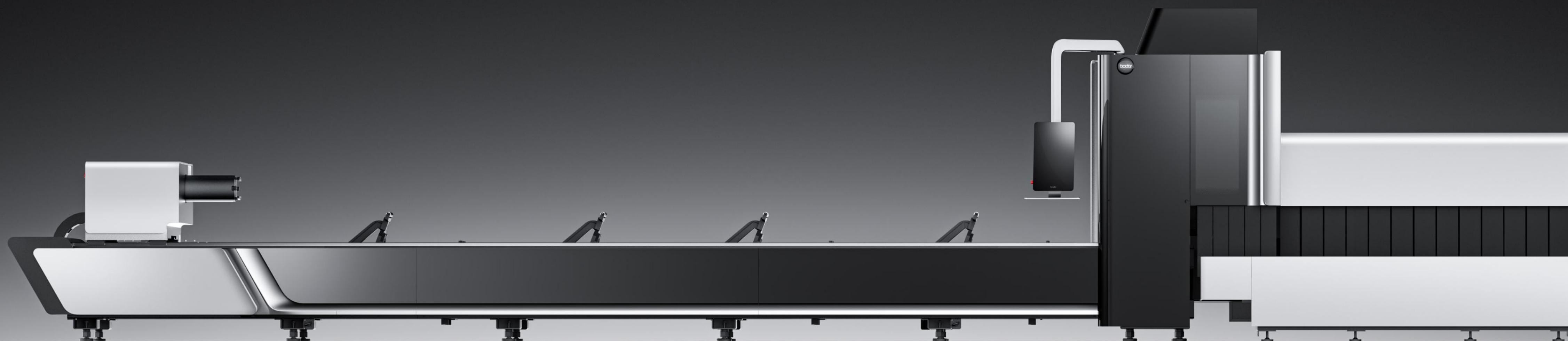


T Series Parameters

	T2	T3
Requirements For Tubes	①Diameter<Φ50mm, Thickness≥1.2mm ②Diameter≥Φ50mm, Wall Thickness≥2.5% of Diameters of Tubes	①Diameter<Φ50mm, Thickness≥1.2mm ②Diameter≥Φ50mm, Wall Thickness≥2.5% of Diameters of Tubes
Tube Size Range	Round Tube:Φ8~Φ230mm ; Square Tube:□8~□230mm Rectangular Tube:8mm≤Side Length≤230mm Angle Steel:2#~14# ; Channel Steel:5#~14#	Round Tube:Φ25~Φ356mm ; Square Tube:□25~□356mm Rectangular Tube:25mm≤Side Length≤356mm Angle Steel:3#~22# ; Channel Steel:5#~22#
Max. Tube Length	6500mm/9200mm	6500mm/9200mm
Max. Tube Weight	300kg	600kg
Max. Chuck Rotating Speed	175r/min	80r/min
Max. No-Load Moving Speed	160m/min	100m/min
Min. Remnants	≥90mm	≥150mm
Max. Unloading Tube Length	4500mm	4500mm
Ultra-Fast Cutting Process	●	●
Seamless Perforation	●	●
Following Servo Unloading	●	●
Fast Centering	●	●
No Manual Drawing	●	●

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Dare to dream