

Bodor SK Series

High-Speed Model | Dual-Chuck High-Performance Tube Laser Cutting Machine



Dual Chucks Move Next Level Achieved



Front Chuck Advances Strength Goes Beyond

The front chuck can advance beyond the laser head, positioning the laser head between the front and rear chuck to cut. This ensures consistent precision even on the last section of the long workpiece. Not 3 Chucks, Yet Strong Still.

Optional

Zero-Waste Cutting

The front chuck can clamp parts individually, achieving the effect of three chucks.

Turbocharged Dynamic Performance **260** r/min

Max. Rotation Speed

Boasting a maximum rotation speed of 230 r/min, the chucks race ahead of its peers, supercharging production efficiency.

*Dynamic performance may vary by model, version, and tube weight.



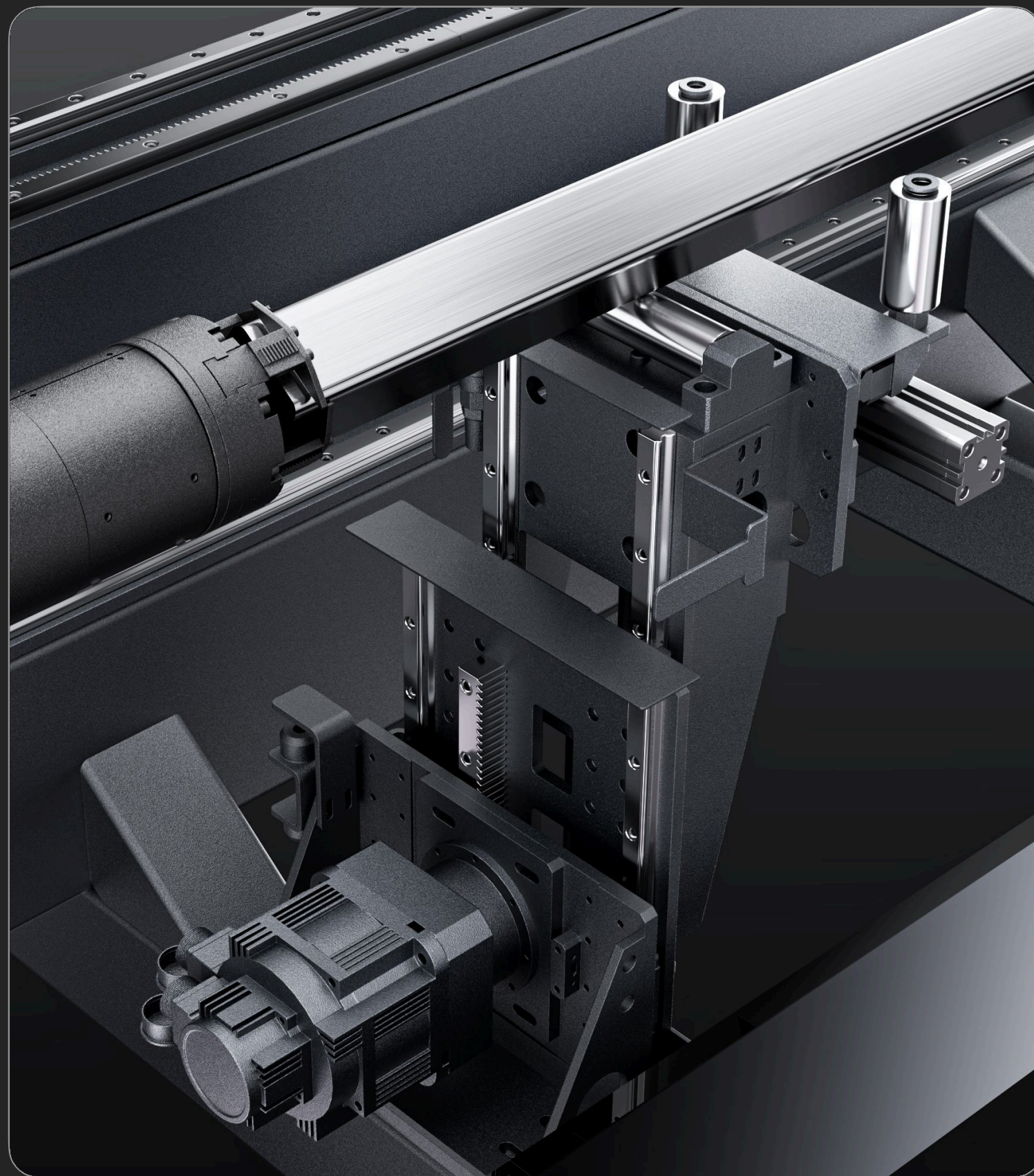
Rear Chuck Shuttles Min. Material Wastes

Achieve cutting at the minimum safe distance, with tailing as short as 40 mm.

Every millimeter counts—save wherever possible.

Dual Follow-Up Precision Lift Up

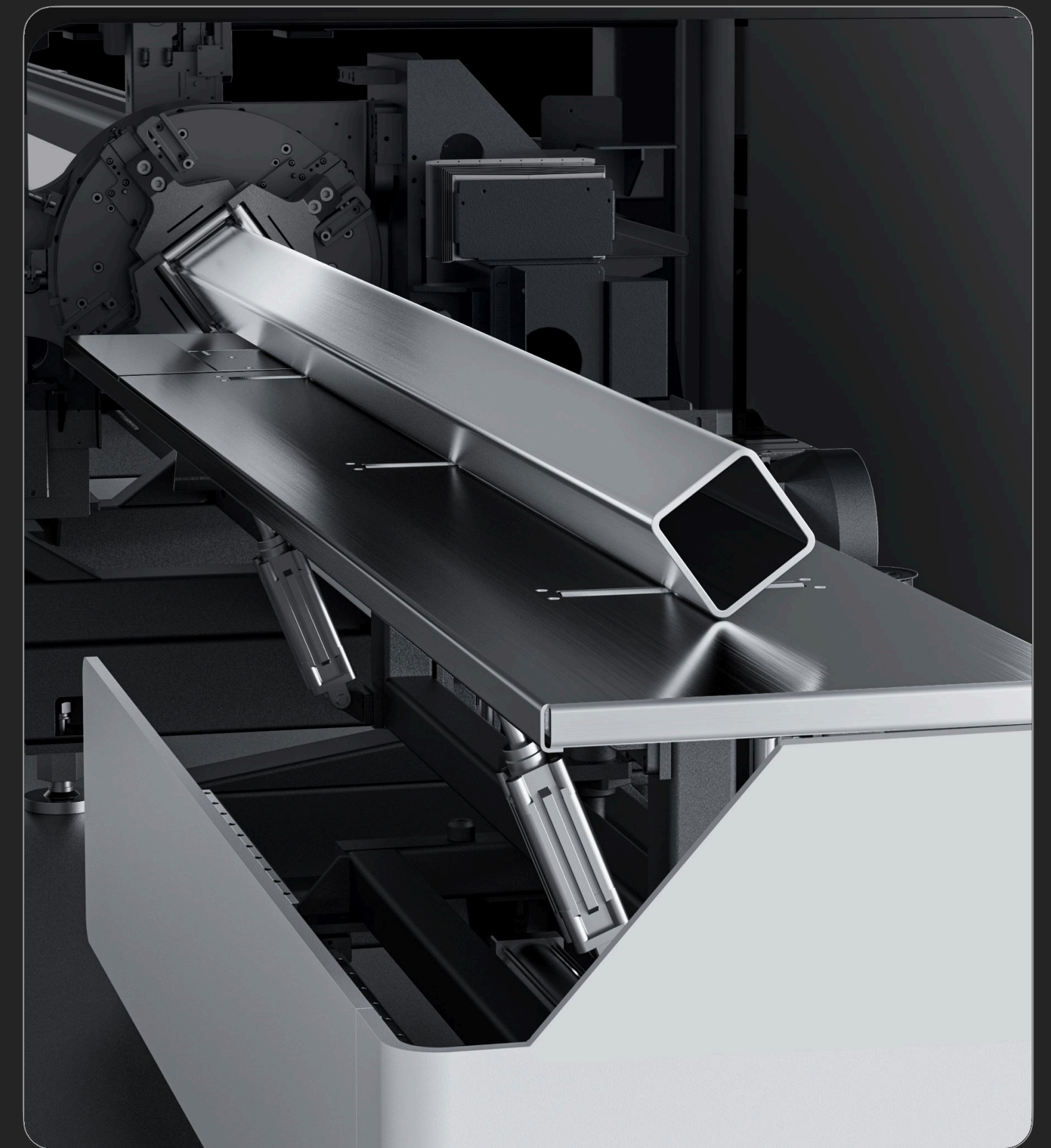
With dual areas servo follow-up support--follow-up rollers and deep U-shaped bionic roller support in the loading area and follow-up plate in the unloading area, the S Series ensures the tube is perfectly fitted, effectively ensuring its stability, and improves cutting precision.



Follow-up Roller (Optional)



Deep U-shaped Bionic Roller



Servo-flipping Unloading (Optional)

No Manual Drawing No Complexity

Say goodbye to the tedious task of manual drawing—input parameters to automatically generate three-dimensional models and let the S Series do the rest. With an intuitive system, you'll master it quickly, streamline your processing, and reduce labor costs.



Tube Type Selection



Parameter-Generated Drawings



One-Click Processing



Optional

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 to oil stains, rust, deformation, or other
tube conditions, stabilizing operations with high
adaptability.

*Optional for the S2 model only.

Optional Bevel Cutting Simplifies Post-Welding

After the tube is cut with the optional bevel cutting, it can be directly used for welding, reducing post-welding processing work such as grinding. This makes welding easier and improves production efficiency.

Optional Weld Seam Identification Flexible Adaptation

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

*Optional for the S2 model only.

Optional Semi-Automatic Loading Convenience Up

The BodorThinker system enables fully autonomous control, supporting continuous loading of tubes ranging from $\phi 16$ mm to $\phi 110$ mm and $\square 16$ mm to $\square 100$ mm.

Each cycle is completed within 15 seconds and repeats seamlessly, offering greater flexibility and efficiency for handling various types and sizes of tubes.

High precision and high speed—achieved simultaneously



*Loading completed within 15 seconds: loading time may slightly vary depending on the type of tube.

Optional Fully-Automatic Loading Drives Efficiency Forward

The BodorThinker system offers fully autonomous control, enabling automatic loading of tubes from $\Phi 16$ –110 mm and $\square 16$ –100 mm.

With batch-loading tubes, the loading action can be completed within 15 seconds, ensuring continuous, flexible, and efficient handling of various tube types and sizes.

Precision and speed—both guaranteed.



*Loading completed within 15 seconds: loading time may slightly vary depending on the type of tube.

Ask Anything Get Every Answer

From product know-how and operation tips to feature guides, service support, and after-sales care—we've got you covered. Whatever you need to know, we have the answers.



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.





High-Speed Model | Dual-Chuck High-Performance
Tube Laser Cutting Machine

Applicable Industries

Widely applied in furniture, school supplies, leisure products, fitness equipment, electric vehicles, bicycles, outsourced processing and other industries.





SK Series Parameters

	SK0	SK1	SK2
Tube Size Range	Round Tube:Φ6~Φ90mm; Square Tube:□6~□90mm Rectangular Tube:6mm≤Side Length≤90mm Angle Steel And Channel Steel Longest Sides≤60mm	Round Tube:Φ6~Φ120mm; Square Tube:□6~□110mm Rectangular Tube:6mm≤Side Length≤120mm Angle Steel And Channel Steel Longest Sides≤80mm	Round Tube:Φ8~Φ230mm; Square Tube:□8~□230mm Rectangular Tube:8mm≤Side Length≤230mm Angle Steel:2#~14# ; Channel Steel:5#~14#
Max. Tube Length	6500mm	6500mm	6500mm/9200mm
Max. Tube Weight	30kg	50kg	300kg
Min. Remnants	40mm	40mm	70mm
Max. Rotating Speed	260r/min	230r/min	125r/min
Max. Moving Speed	180m/min	150m/min	120m/min
Max. Acceleration	2.2G	2G	1G
Front Chuck Advances	●	●	●
Composite Rollers	●	●	●
No Manual Drawing	●	●	●
Cutting Parameter Auto-Match	●	●	●
Tube Cross-Sectional Shape	○ □ ▭ ◌ ◌ └ └		

bodor

Dare to dream