

K Series, Entry-Level Tube Laser Cutting Machine

The economical choice for precise tube processing. Experience excellent performance with huge savings.



Cut costs, not quality.

AUTOMATION

Automation makes operations easier. K series exhibits high productivity thanks to Bodor's automation devices like K-Loader and K-Trans. Automation optimizes material flow and boosts output of the production line.

HIGH LEVEL OF SAFETY

Enjoy the ease of operation. K series enhances operating safety for all production runs through providing great accessibility to all working areas.

FAST CUTTING

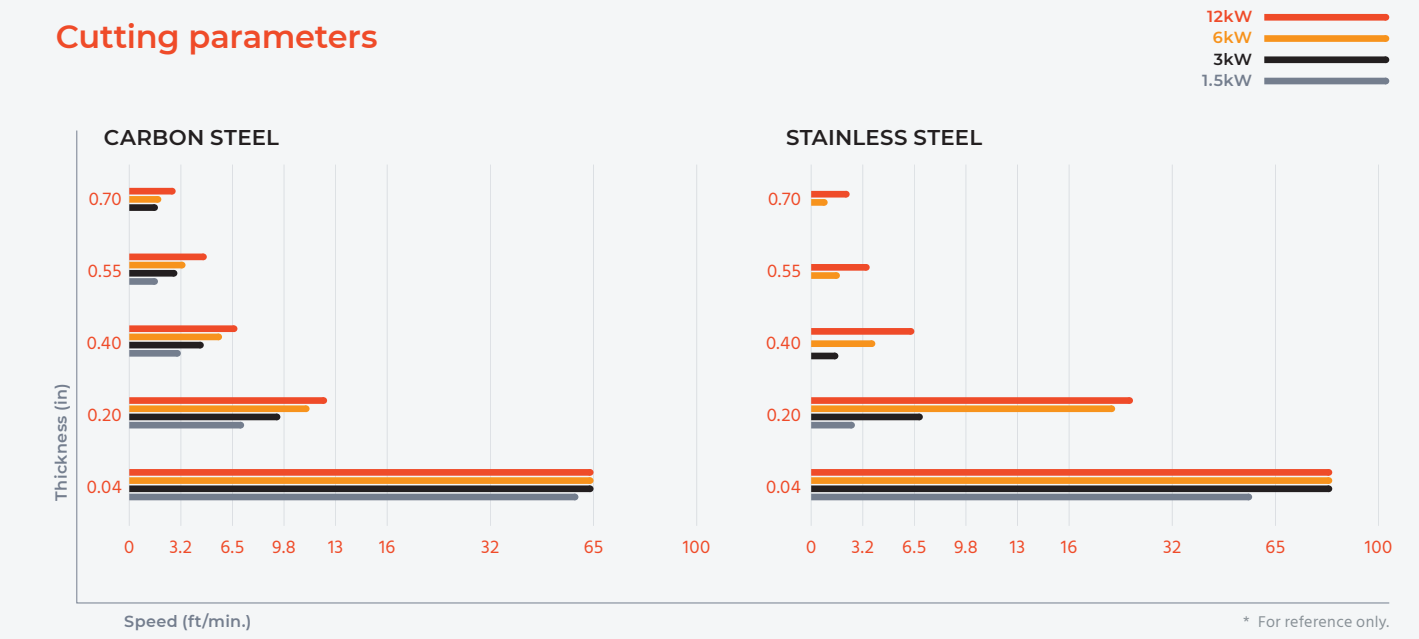
No compromises on speed. K series achieves a maximum feeding speed of 100m/min and a chuck rotating speed of 130r/min.

Technical specifications

	K1	K2	K3	K5
LASER POWER	1.5kW / 3kW / 6kW	1.5kW / 3kW / 6kW	3kW / 6kW	6kW / 12kW
TUBE SIZE RANGE	Φ0.23"~Φ4.72" □0.23"~□4.33"	Φ0.31"~Φ9.05" □0.31"~□9.05"	Φ0.98"~Φ350.23" □0.98"~□350.23"	Φ5.90"~Φ19.68" □5.90"~□19.68"
MAXIMUM TUBE LENGTH	255"	255"/362"	255"/362"/472"	472"
MAXIMUM TUBE WEIGHT	80kg	300kg	500kg	12000kg
X/Y-AXIS POSITIONING ACCURACY	0.001968"	0.001968"	0.001968"	±0.001968"
X/Y-AXIS REPOSITIONING ACCURACY	0.001181"	0.001181"	0.001181"	±0.001181"

* For complete details, please reach out to our sales team at sales@bodor.com.

Cutting parameters



Cutting of different tubes and profiles

K series machines allow users to manufacture standard and customized-shaped steel tubes for their project needs. They have the capability to cut tubing in square, rectangular, flat oval, elliptical and many other custom shapes in a variety of metals.

Intelligent chuck

K series' pneumatic chucks are well-suited for stable performance in dynamic applications. Each of the two chucks is able to complete clamping in just 2 seconds with a strong chucking force. It also reduces scrap to only 1.77", limiting waste and facilitating regular on-site maintenance.

BodorNest tube

The system works with a diverse range of tube materials, allowing users to customize cutting layouts based on different fabrication needs.

Edge collision prevention

For rectangular or square tube cutting, the function calculates corner rotation radius, thus avoiding collisions and protecting the laser head.

Cutting samples

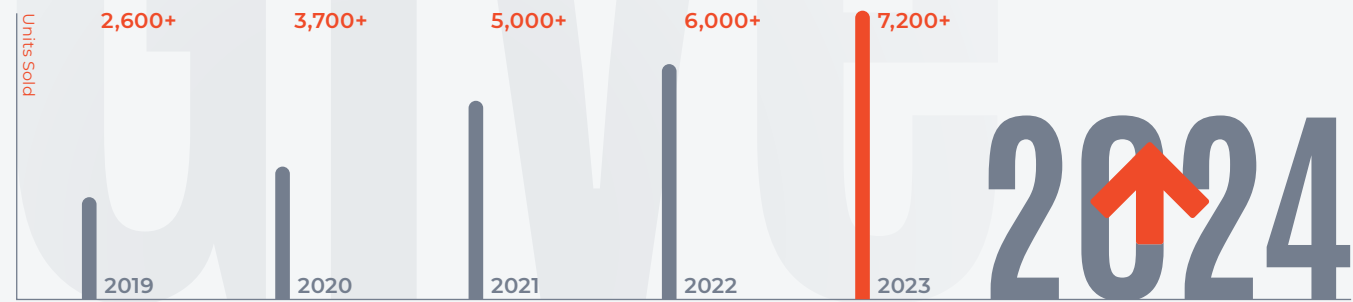


* Certain functions or components mentioned in this document are optional and may not be included in the standard version of the product.



World's No.1 in Sales Volume for 5 Years 2019 – 2023

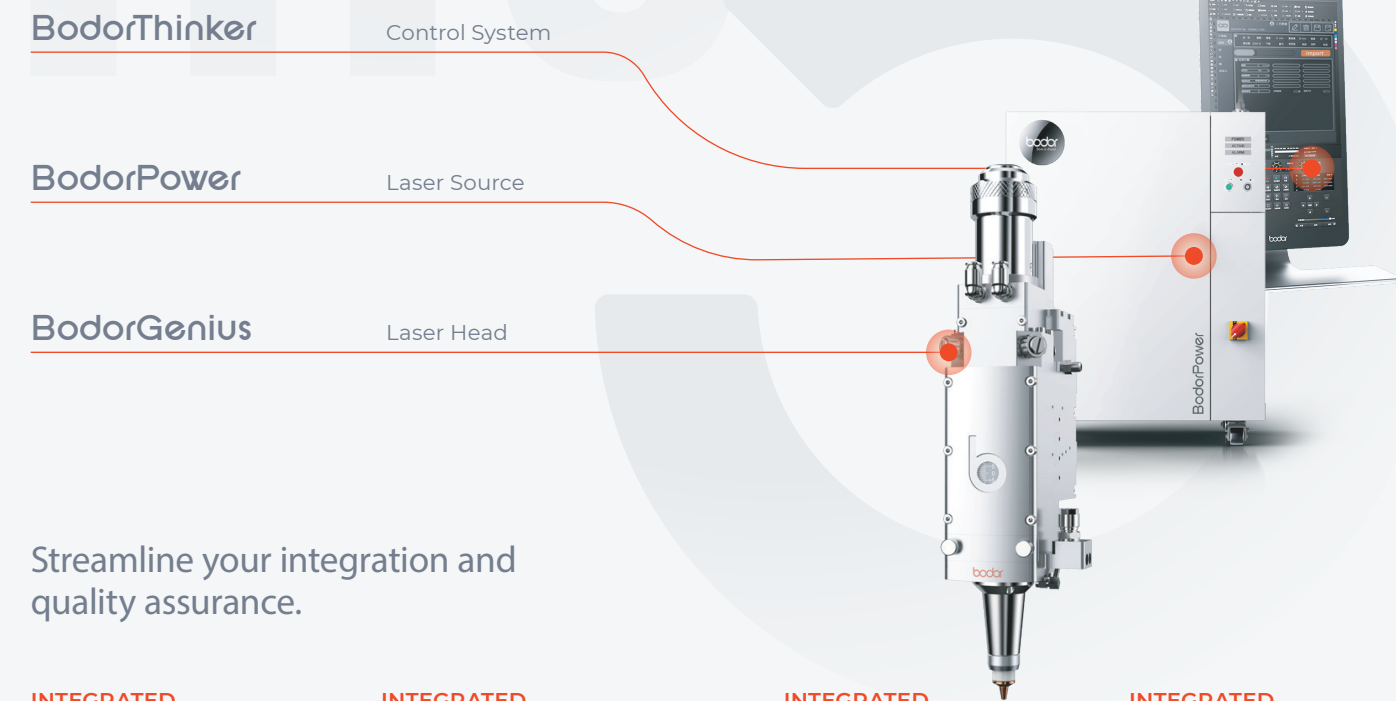
Bodor has consistently held the top position in global sales volume for five consecutive years. In 2024, we are poised to continue our upward trajectory, solidifying our position as a market leader and surpassing our previous achievements.



5 Years of Premium

For three Bodor core components

Bodor's integrated approach reduces failure rates, ensuring quality in transportation, delivery, and maintenance of three Bodor core laser components. Simplified operation, adjustment, and maintenance streamline processes, while expert machine setup and training facilitate smooth equipment adaptation for customers.



Streamline your integration and quality assurance.

INTEGRATED PRODUCTION

Unified origin for stable and efficient quality

INTEGRATED DESIGN

High industrial integration, perfect system compatibility

INTEGRATED TESTING

Rigorously tested for ultimate performance

INTEGRATED DELIVERY

Package and shipped as a whole for enhanced quality

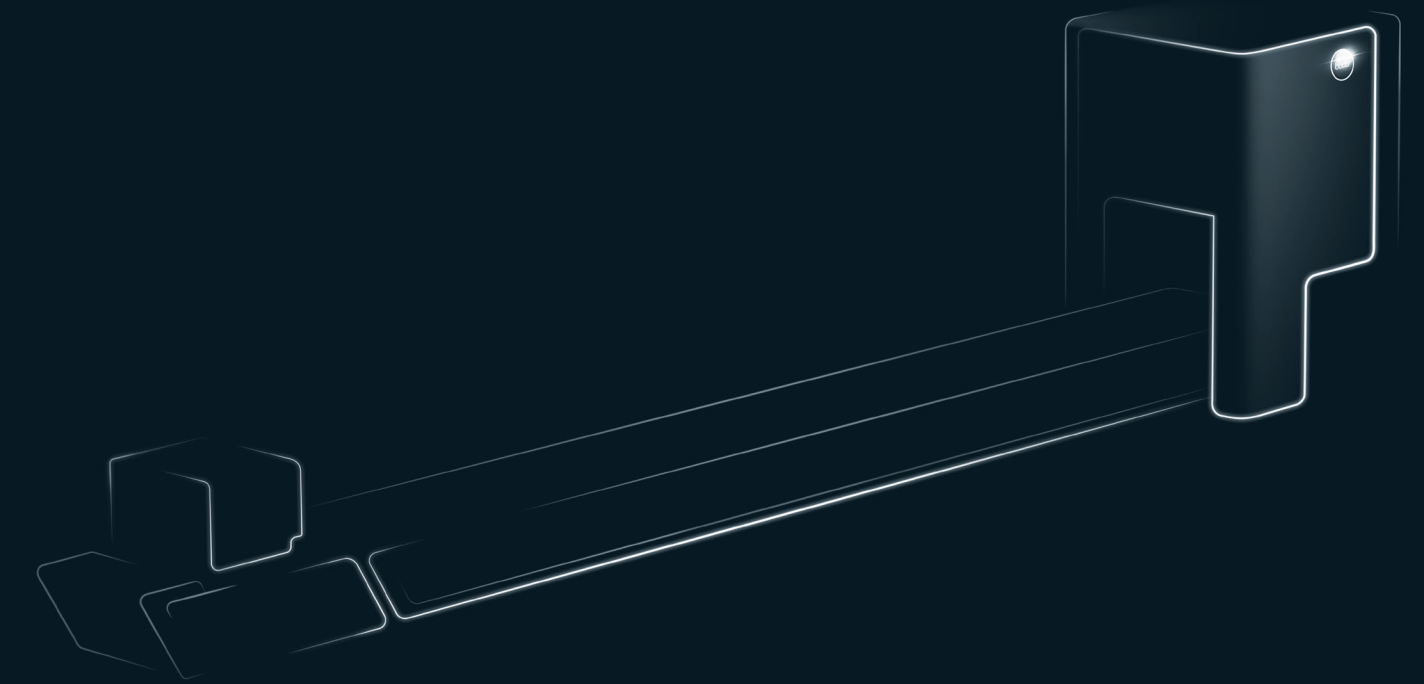
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K Series

Entry-level tube laser cutting machine

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5 Years of Warranty

WORLD NO.1 FOR 5 YEARS IN A ROW

bodor