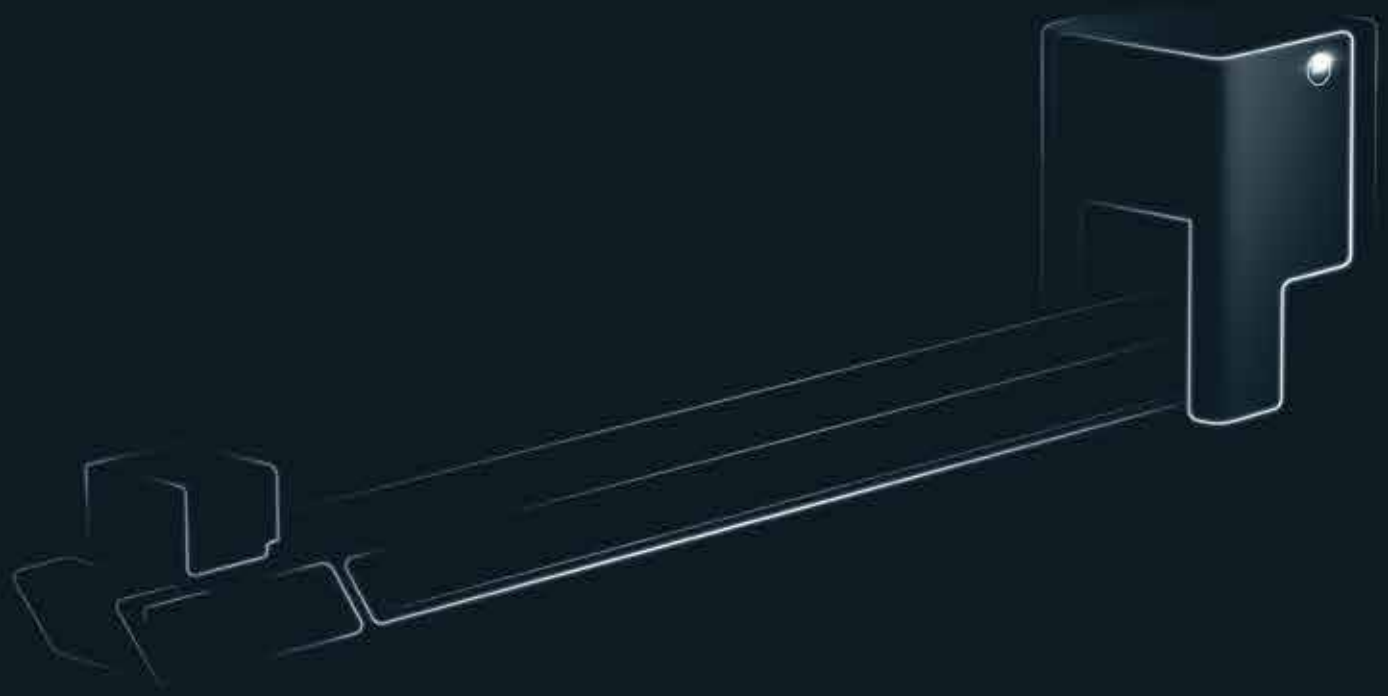
K Series

Entry-level tube laser cutting machine



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5 Years of Warranty

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bodor

K Series, Entry-Level Tube Laser Cutting Machine

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

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.

Cut costs, not quality.

AUTOMATION

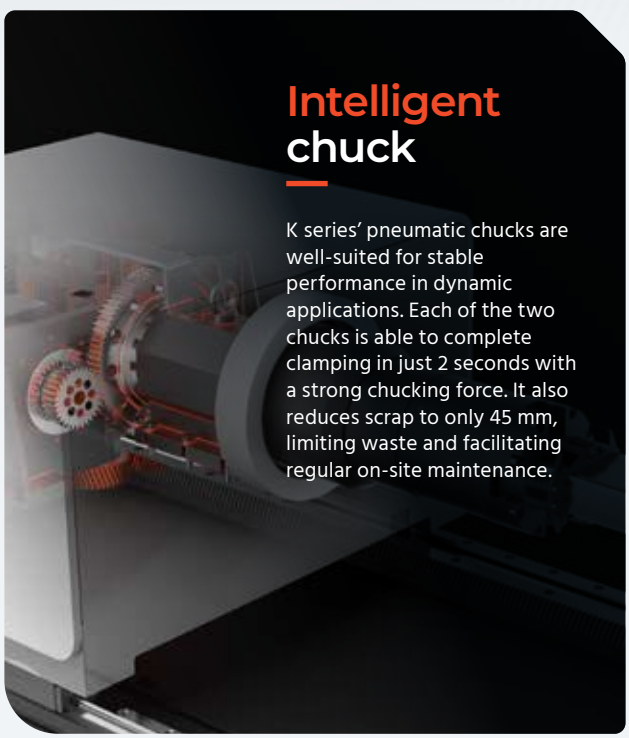
Automation makes operations easier. K series exhibits high productivity thanks to Bodor's automation devices like K-Loader and K-Trans. Automation optimizes material flow and boosts output of the production line.

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.

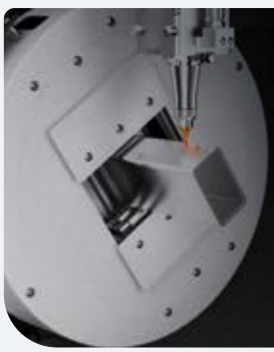


Intelligent chuck

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 45 mm, 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.

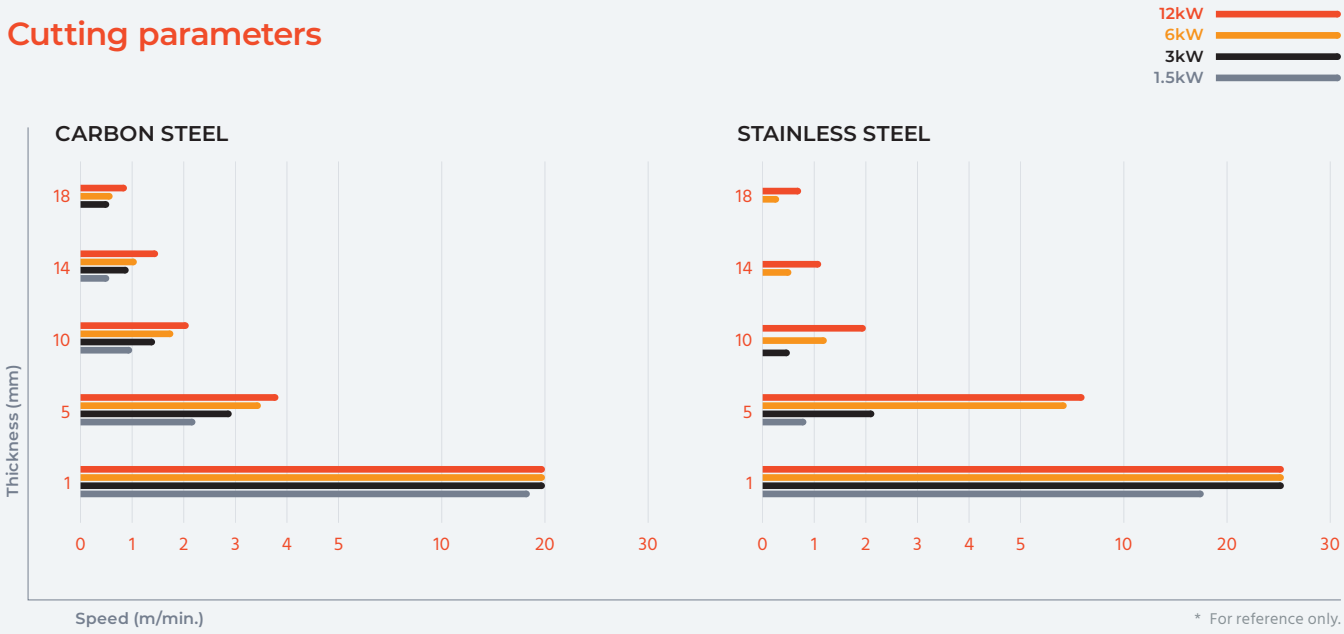
* Certain functions or components mentioned in this document are optional and may not be included in the standard version of the product.

Technical specifications

	K1	K2	K3	K5
LASER POWER	1.5kW / 3kW / 6kW	1.5kW / 3kW / 6kW	3kW / 6kW	6kW / 12kW
TUBE SIZE RANGE	Φ6mm~Φ120mm □6mm~□110mm	Φ8mm~Φ230mm □8mm~□230mm	Φ25mm~Φ356mm □25mm~□356mm	Φ150mm~Φ500mm □150mm~□500mm
MAXIMUM TUBE LENGTH	6500mm	6500mm/9200mm	6500mm/9200mm/ 12000mm	12000mm
MAXIMUM TUBE WEIGHT	80kg	300kg	500kg	12000kg
X/Y-AXIS POSITIONING ACCURACY	0.05mm/m	0.05mm/m	0.05mm/m	±0.05mm/m
X/Y-AXIS REPOSITIONING ACCURACY	0.03mm	0.03mm	0.03mm	±0.03mm

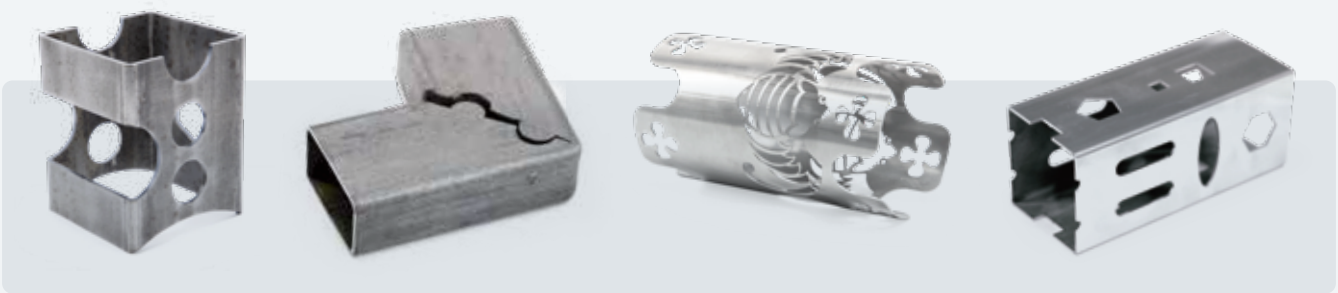
* For complete details, please reach out to our sales team at sales@bodor.com.

Cutting parameters



* For reference only.

Cutting samples



5 Years of Premium Warranty

For three Bodor core components

BodorThinker — Control System

BodorPower — Laser Source

BodorGenius — Laser Head

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

For further machine specs and information and enquires please contact Hare & Forbes Machineryhouse.

www.machineryhouse.com.au

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