

TL730S

Flagship '4+1' Full-track Heavy Duty Tube Beveling Laser Cutting Machine

MAXIMUM PRODUCTIVITY OF HEAVY-DUTY TUBE BEVEL CUTTING, EVEN XXL TUBE



Cutting Head

3D

Laser Power

6-20kW

Max Diameter

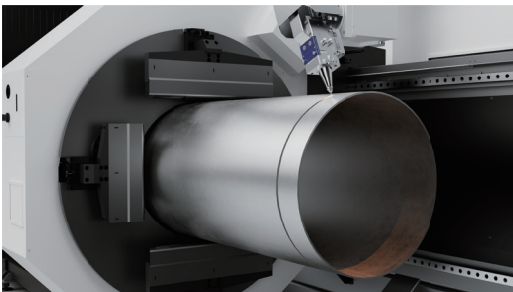
715mm

Max Single Tube Weight

4,000kg

PRODUCT OVERVIEW

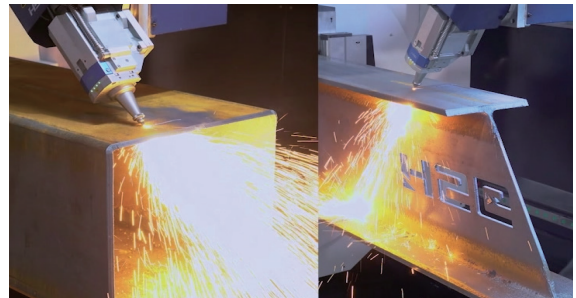
Built for Ultra-Large and Heavy-duty Tube



Experience the TL730S—an industry benchmark in quality, productivity, and performance. Engineered to handle ultra-large tube cutting applications, it offers up to 20kW of laser power, accommodates tube lengths up to 16m, weights up to 4,000kg, and diameters up to 715mm. The TL730S is the ultimate solution for industries requiring precision and efficiency, including steel fabrication, petroleum, and shipbuilding sectors.

TYPICAL PROCESSING

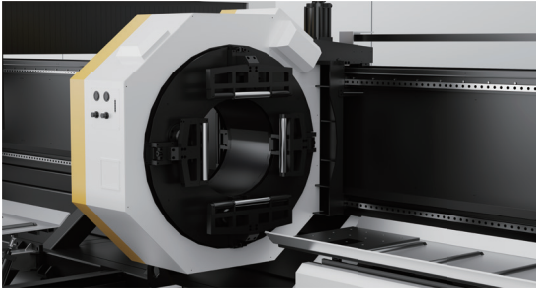
$\pm 45^\circ$ Bevel Cutting for Complex Tasks



Experience unmatched precision and versatility with the HSG LA4 high-performance 5-axis bevel laser cutting head, expertly designed for high-power laser tube cutting machines, enables flexible cutting within a $\pm 45^\circ$ bevel range, making it ideal for tackling complex geometries with ease while streamlining subsequent processes.

IMPROVE PROCESSING ACCURACY

Innovate 4+1 Chucks Structure



C3 chuck and C4 chuck are combined to achieve double support; There are 4 points clamping at loading section and the load bearing improved significantly. Clamping near the cutting area at 2 points which the accuracy is effectively guaranteed.

DURABLE & RELIABLE

Engineered for Strength, Built for Reliability



TL730S is meticulously engineered from the ground up for extra-large and heavy tubes. Its robust L-shaped, heavy-duty design ensures unmatched strength and reliability.

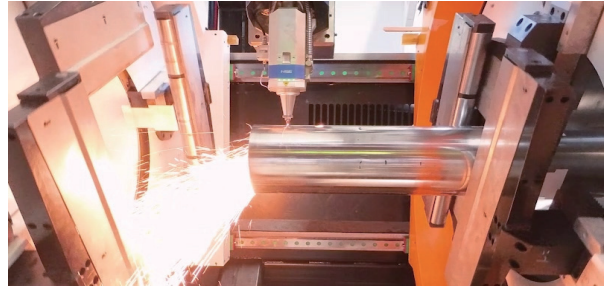
CARE YOUR SAFETY

Safety Protection Package (Optional)

- > Equipped with a top cover for enclosed processing to reduce smoke and maintain a clean working environment.
- > The safety light curtain will prevent any possible collision with human body and protect both workers and the machine well.

SAVE YOUR COST

Maximize Material Saving



Powered by HSG's exclusive intelligent dual-chuck technology, the C4 chuck handles support and clamping, while the C3 chuck manages feeding and cutting. With optimized process planning, this setup enables zero material waste, helping you save materials and further enhance productivity.

SAVE YOUR TIME

Effortless Loading and Unloading (Optional)



Streamline operations with smooth and efficient automatic loading and unloading. The TL730S supports diverse materials, prevents damage from manual handling, and offers flexible unloading options. A chain loader handles profiles up to 16m, accommodating various sections and lengths with ease.



TECHNICAL PARAMETERS

Model	TL730S
Laser Power	6-20KW
Cutting Capacity of Round Tube / Square Tube	Φ120mm-715mm / □120×120-□500×500mm
Weight of Single Tube	4,000kg
Max. Linkage Speed	45m/min

*Information and images are for reference only. Final specifications and terms are subject to the contract and may change without notice.