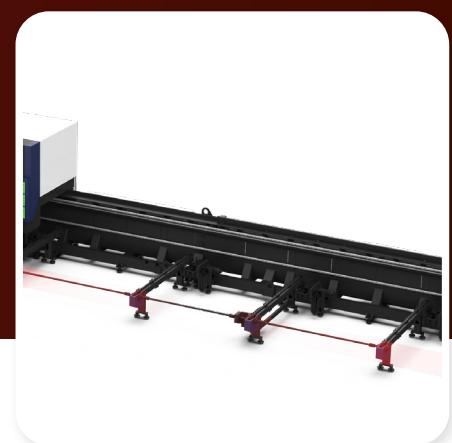


TX5R SERIES

Heavy Duty Tube Laser Cutter



HSG TX5R SERIES

The HSG TX5R is a heavy-duty tube laser cutting machine built for precision and performance. With a lateral hanging bed for safer, easier loading, it handles tubes and profiles in a range of lengths and diameters. Featuring independent servo supports, and an advanced control system, the TX5R delivers exceptional flexibility and accuracy for a wide range of metal fabrication needs.

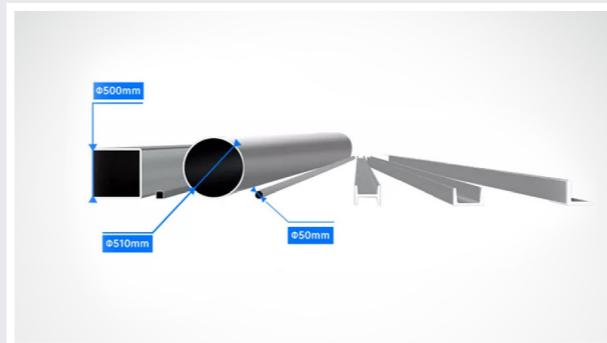


FEATURES



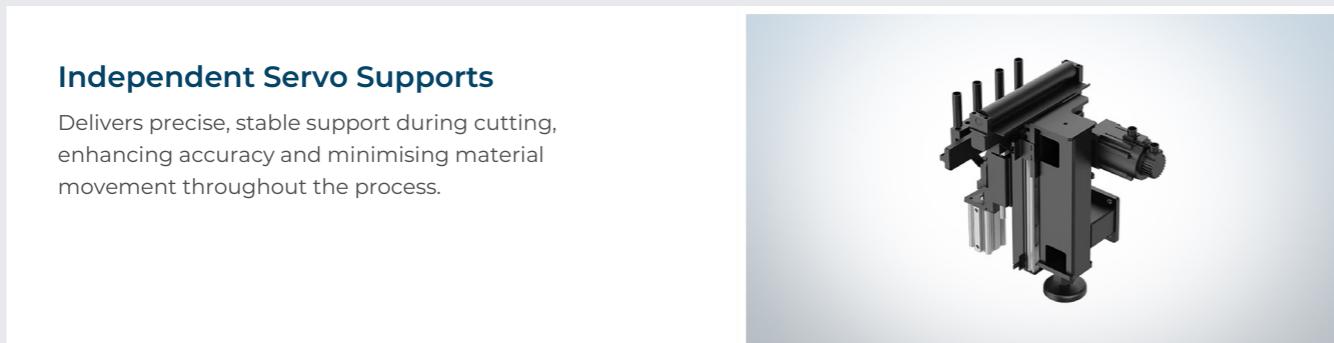
Lateral Hanging Machine Bed

The low center of gravity design of the lateral hanging bed improves safety, reduces manual handling effort, and makes tube loading more efficient.



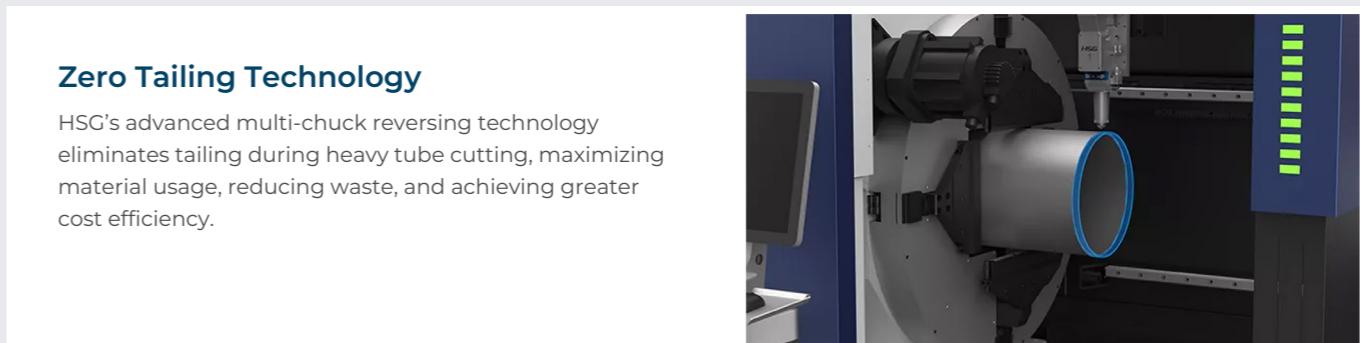
Heavy-Duty Tube and Profile Cutting

Handles tubes weighing up to 2,000 kg, with diameters from 50 mm to 510 mm and lengths up to 12,000 mm. Also capable of cutting a wide range of profiles, including channel steel, angle iron, and I-beams.



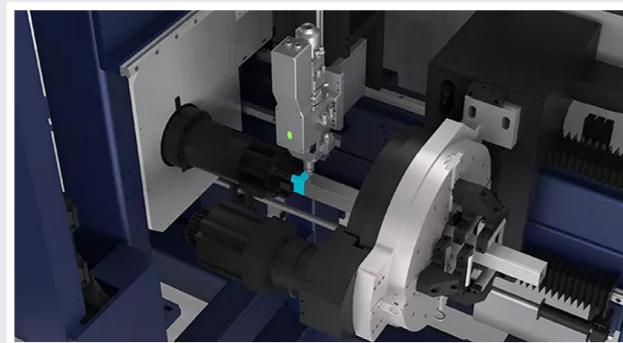
Independent Servo Supports

Delivers precise, stable support during cutting, enhancing accuracy and minimising material movement throughout the process.



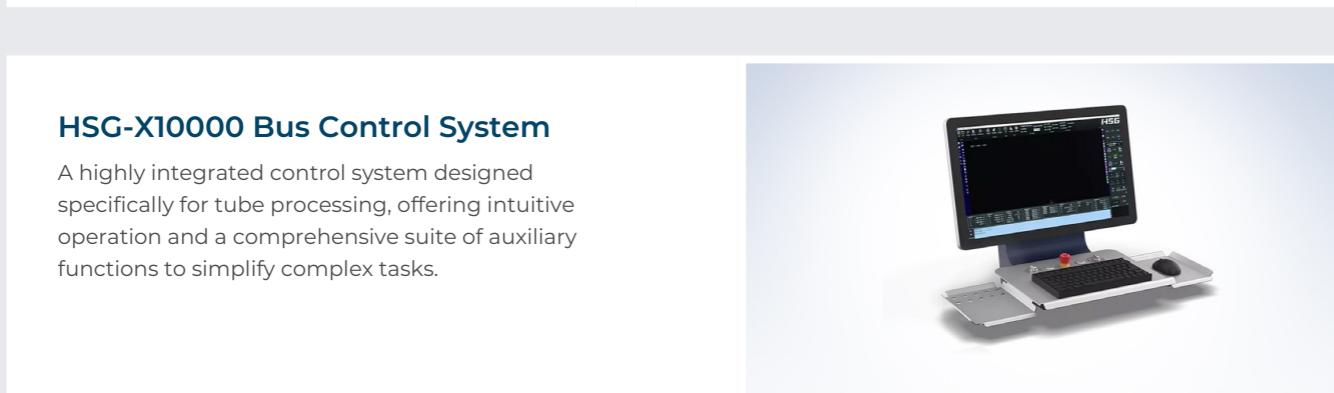
Zero Tailing Technology

HSG's advanced multi-chuck reversing technology eliminates tailing during heavy tube cutting, maximizing material usage, reducing waste, and achieving greater cost efficiency.



Follow-Up Support Plate

Supports tubes during unloading to prevent deformation or misalignment. Highly adaptable to various tube shapes, sizes, and specifications.



HSG-X10000 Bus Control System

A highly integrated control system designed specifically for tube processing, offering intuitive operation and a comprehensive suite of auxiliary functions to simplify complex tasks.

SPECIFICATIONS

Parameters	TX5R					
Power (kW)	6 - 20					
Chuck Speed (RPM)	40 r/min					
Max. Linkage Speed	60 m/min					
Max. Linkage Acceleration	0.3 G					
X/Y Axis Positioning Accuracy	±0.05 mm/m					
X/Y Axis Repositioning Accuracy	±0.05 mm					
Tube Cutting Capacity (mm)	Round:	50 - 510	Open Steel Profile	Angle Steel:	50x50 - 250x250	
	Square:	50x50 - 500x500		Channel Steel:	120x53 - 400x104	
	Rectangle:	50 - 500		H Beam:	100x100 - 400x400	
				L Beam:	100x63 - 450x154	
Tailing Length	0mm (Achievable with optimal nesting layout)					
Tube Length Range	2000 - 12500 mm					
Max. Auto-Unloading Length	1200mm (last part must be ≥ 2000mm for automatic unloading)					
Bevel Cutting Angle	45° (optional bevel cutting head)					
Loading Capacity (kg)	2000 (160kg/m)					
Total Power / Current	70kW / 140A (6000w) 95kW / 190A (12000w) 122kW / 254A (20000w)					
Dimensions (LxWxH) (mm)	30000 x 3300 x 3800					



LASER MACHINES

At Laser Machines, we are committed to being Australia's trusted partner for laser cutting machinery and related equipment. Specialising in cutting-edge solutions, we empower businesses with the highest quality machinery and unmatched service and support.

Our solutions-oriented approach prioritises customer satisfaction by delivering reliable products tailored to diverse needs and applications. With a focus on quality and service, we work closely with our clients throughout every step of their journey, ensuring they receive solutions designed to enhance operations and achieve their goals.

Backed by over 70 years of combined experience, our team collaborates directly with manufacturers to drive innovation and deliver machinery that meets the evolving demands of modern industries. At Laser Machines, we don't just supply equipment - we provide expertise, partnerships, and the tools for success.



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