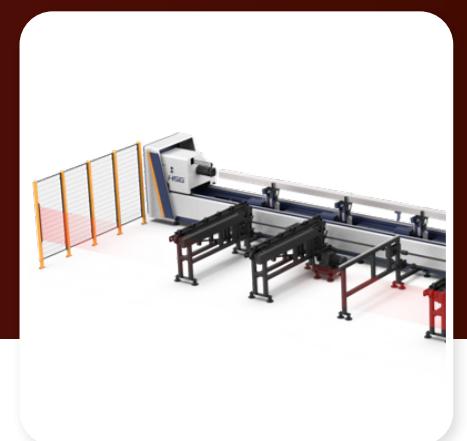


# LASER MACHINES



## T SERIES

Heavy Duty Tube Laser Cutter



## HSG T SERIES

The HSG T Series Tube Laser Cutting Machines are equipped with a high-performance laser source, allowing for precise and efficient cutting of tubes and profiles. With an advanced control system, they offer exceptional accuracy and repeatability, making them ideal for industrial applications. The T Series are designed for maximum productivity, with high-speed cutting capabilities and minimal downtime.



# FEATURES



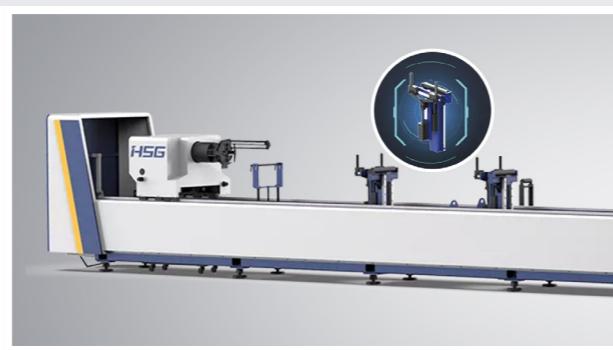
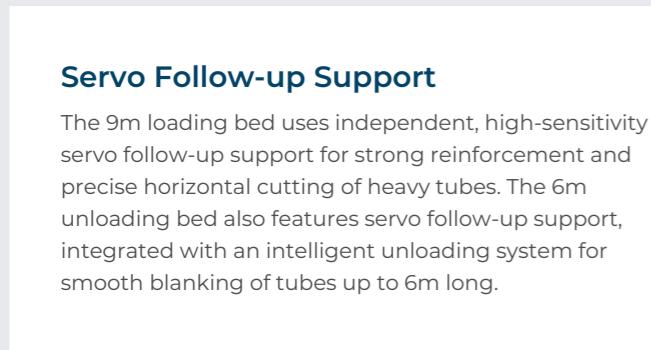
## Movable Triple Chuck

The T Series features square and round chucks handling up to 600kg and tubes from 20mm to 350mm. Its dual front and single rear chuck design boosts load capacity, while the C3 hollow and movable three-chuck structure enable full-length cutting with minimal vibration and tail material.



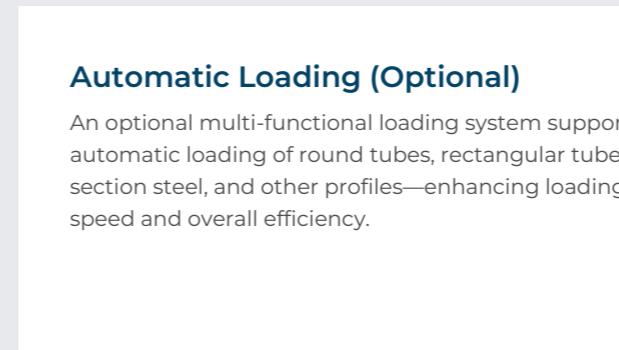
## Photoelectric Loading Detection

Advanced photoelectric detection accurately identifies the size, shape, and position of each tube, enabling precise clamping by the chuck. Through real-time monitoring and feedback, the system dynamically adjusts equipment status, ensuring stable, reliable, and fully automated processing.



## Servo Follow-up Support

The 9m loading bed uses independent, high-sensitivity servo follow-up support for strong reinforcement and precise horizontal cutting of heavy tubes. The 6m unloading bed also features servo follow-up support, integrated with an intelligent unloading system for smooth blanking of tubes up to 6m long.



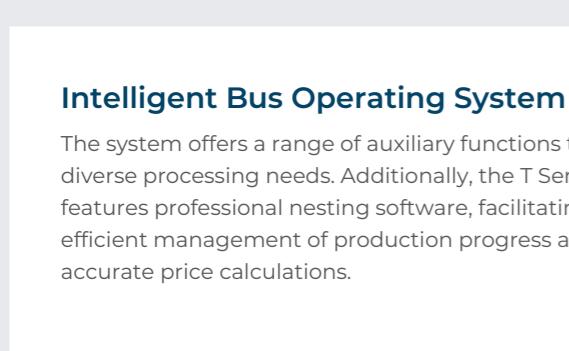
## Automatic Loading (Optional)

An optional multi-functional loading system supports automatic loading of round tubes, rectangular tubes, section steel, and other profiles—enhancing loading speed and overall efficiency.



## HSG-X Control System

HSG-X control system is bus-based and developed by HSG Laser. With intelligent and easy-to-operate service, it can offer users effective solutions to address problems of difficult operation, low efficiency and high costs.

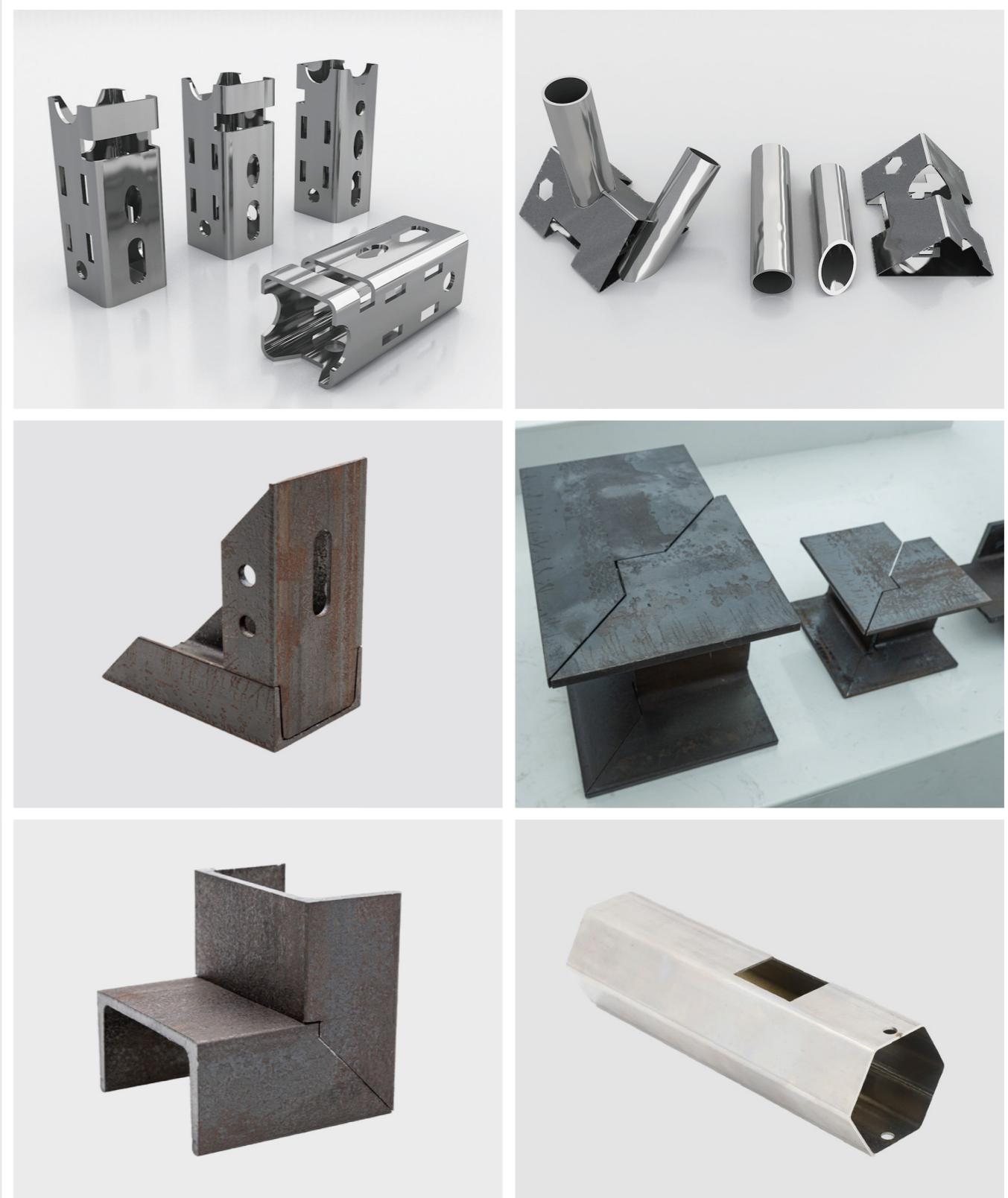


## Intelligent Bus Operating System

The system offers a range of auxiliary functions to meet diverse processing needs. Additionally, the T Series features professional nesting software, facilitating efficient management of production progress and accurate price calculations.

# SPECIFICATIONS

Parameters	T3	T2
Power (kW)		3 - 6
Chuck Speed (RPM)	80 r/min	100 r/min
Max. Linkage Speed	80 m/min	100 m/min
Max. Linkage Acceleration	0.8G	1G
X/Y Axis Positioning Accuracy	±0.05 mm/m	±0.03 mm/m
X/Y Axis Repositioning Accuracy	±0.03 mm	
X Axis Travel	C1: 0-9600 mm C3: 0-6200 mm	C1: 0-7200 mm C3: 0-6200 mm
Y Axis Travel	0 - 650 mm	
Z Axis Travel	0 - 375 mm	0 - 400 mm
Tube Cutting Capacity	Round:	20 - 350 mm
	Square:	20 - 350 mm
	Rectangle:	Side length: 20 - 250 mm Diagonal dimension: 495 mm
	Angle Steel:	20 x 20 mm - 300 x 300 mm
	Channel Steel:	50 x 37 mm - 300 x 200 mm
	L Beam:	50 x 37 mm - 320 x 134 mm
	H Beam:	100 x 100 mm - 250 x 250mm
Max. Manual Loading Cutting Length	9200 mm	7000 mm
Tube Length Range	1000 - 9000 mm	1000 - 7000 mm
Machine Weight (kg)	Without Loading Rack:	9800
	With Loading Rack:	12000
Loading Capacity	Single:	Without Loading Rack: 8300
	9 Meters:	600 kg (67 kg/m)
	12 Meters:	600 kg (50 kg/m)
	Multi-tube:	3000 kg
Total Power / Current	53kW / 105A (3000w) 63kW / 126A (6000w)	51kW / 102A (3000w) 66kW / 132A (6000w)
Dimensions (LxWxH)	19000 x 3100 x 3000 mm	16950 x 3100 x 2900 mm
Dimensions with Loader (LxWxH)	19000 x 5000 x 3000 mm	16950 x 5000 x 3000 mm



# 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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