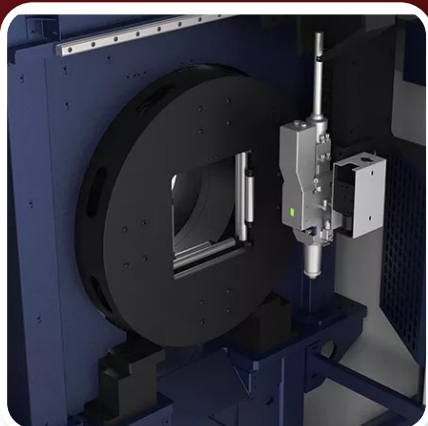




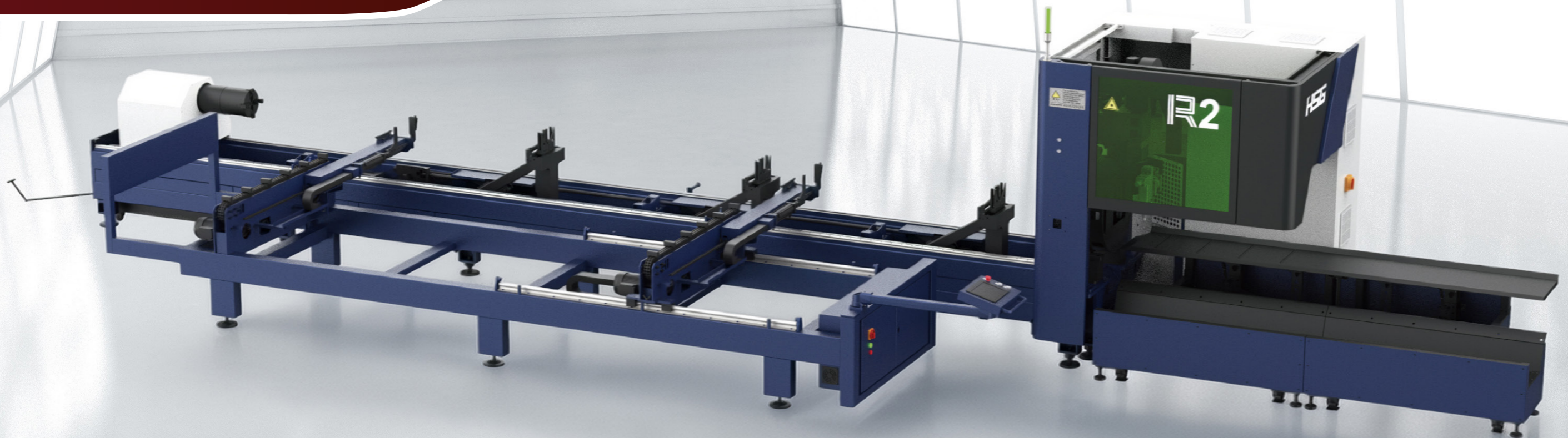
R2R SERIES

Double-chuck Tube Laser Cutter

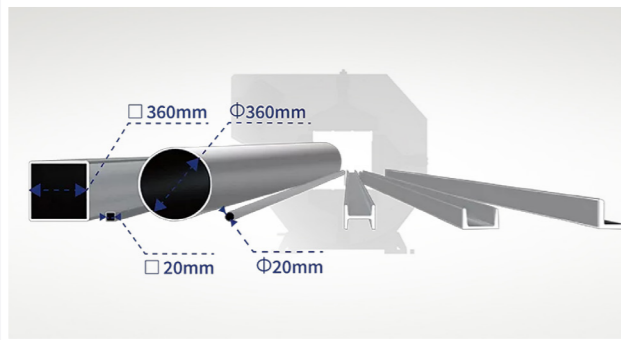


HSG R2R SERIES

The HSG Laser R2R, a revolutionary double-chuck universal tube laser cutting machine designed to deliver unmatched precision, efficiency, and versatility. Engineered for excellence, the R2R is the ideal solution for diverse industrial applications, offering exceptional performance for cutting a wide range of tube materials and shapes.



FEATURES



Unmatched Tube Processing Capabilities

The HSG R2R is built for versatility, supporting tube diameters from 12mm to 240mm and various profiles, including round, square, L, and H-profiles. It efficiently processes raw materials up to 9 meters in length, making it ideal for large-scale production.

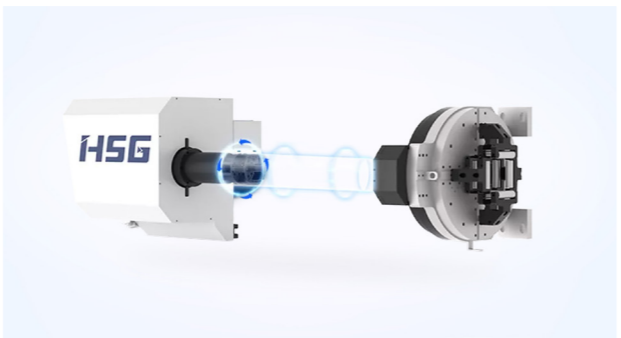


Intelligent Bus Operating System

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

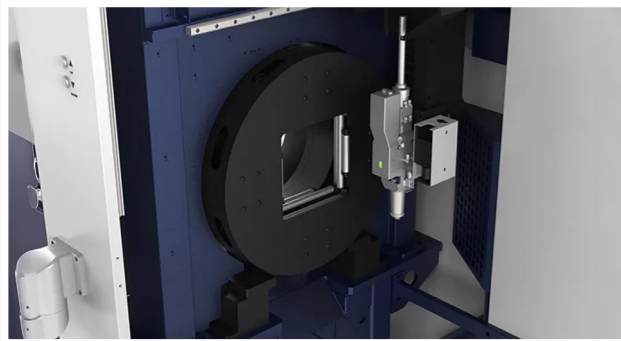
Cost-Effective and High-Speed Cutting

Achieve superior cutting efficiency with speeds of up to 120m/min and a chuck rotation speed of 120r/min. The machine's high dynamic performance enhances tube processing speeds, allowing for faster production cycles and optimized cost savings.



Advanced Cutting Solutions

The HSG R2R integrates automatic tube center measurement, significantly improving cutting accuracy. Its corner anti-burn function ensures clean, high-quality cuts, while the short tail cutting feature reduces material waste and enhances cost efficiency.



Reliable Performance and Safety

Equipped with a standard pipe support mechanism, the HSG R2R ensures high cutting precision while maintaining stability during processing. Additionally, the built-in dust blowing system enhances workplace safety by reducing airborne particles, prioritising operator health.

User-Friendly Operation

Designed for seamless operation, the HSG R2R features quick and easy setup, making it accessible for operators of all experience levels. Its automated nesting function optimizes material usage, minimizing waste while maximizing productivity.

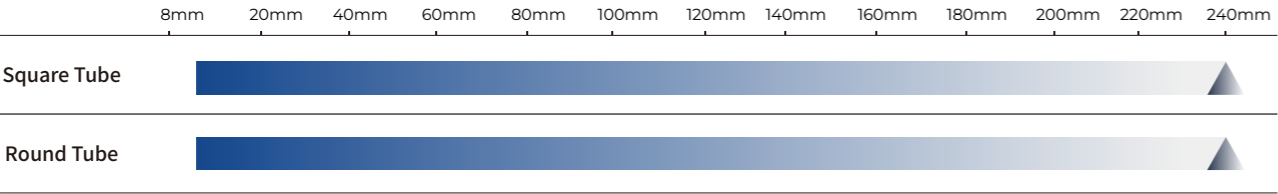


SPECIFICATIONS

Parameters	R2R
Power (kW)	3 - 6
Max. Linkage Speed	150 m/min
Rotating Speed of Chucks	120 r/min
Max. Linkage Acceleration	1.2G
X/Y Axis Positioning Accuracy	±0.05 mm/m
X/Y Axis Repositioning Accuracy	±0.03 mm
Tailing Length*	Single Chuck Clamping: ≥85mm / Double Chuck Clamping: ≥210mm
Cutting Capacity (mm)	Round Tubes: 12 - 240 Square Tubes: 12x12 - 240x240
Weight of Single Tube	300 kg
Overall Dimensions (LxWxH) (mm)	9950 x 2530 x 2215
Tube Length Range	1000 - 6500 mm

*Under reasonable nesting conditions, the tailing length is the limit case, which is only achieved in some tubes and manual mode.
Suggested Tube Length in Single Chuck Clamping ≤200mm, Weight of Tube ≤2kg.

Laser Power



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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