

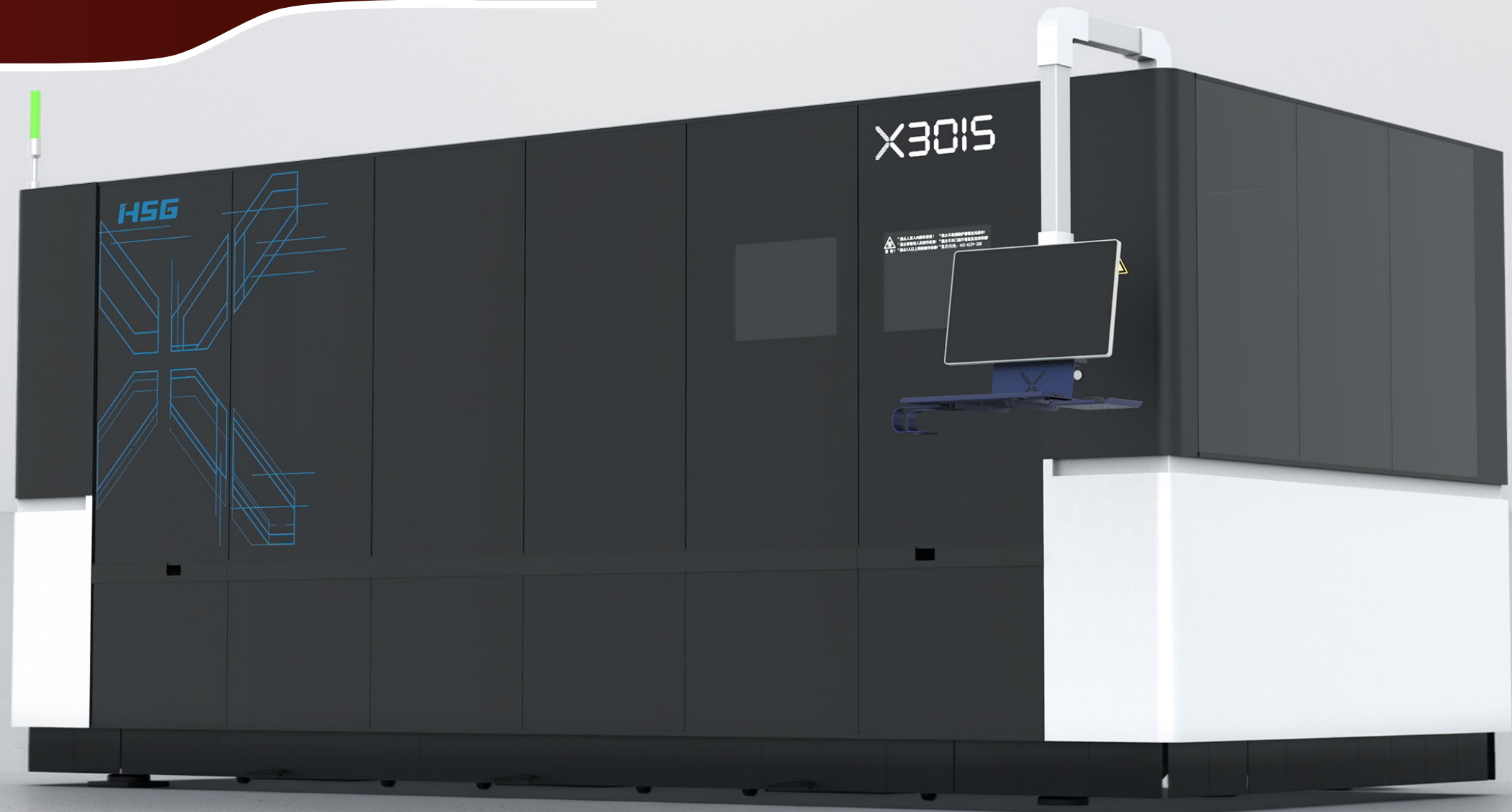
## X SERIES

High Precision Sheet Laser Cutter



# HSG X SERIES

The HSG X Series Laser Cutting Machine is a high-powered, precision cutting system designed for industrial laser use. With its advanced fiber laser technology, this machine is capable of cutting through a wide range of materials with unparalleled speed and accuracy. Its large working area and high cutting speed make it the perfect tool for a range of manufacturing processes.





# FEATURES



## HSG Bus-based Control System

EtherCAT bus enables high-speed response with anti-interference capability and simplified electrical maintenance, while automated handling of machine maintenance includes real-time monitoring of key components, ensuring timely reminders for regular upkeep.

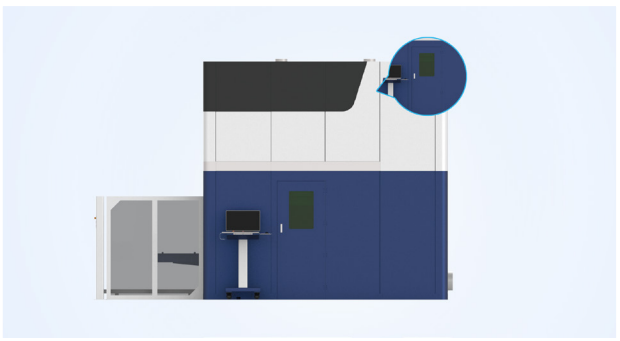


## Compact Design

The X series is designed to minimise equipment size without compromising processing capability, thereby reducing the equipment's footprint and saving space.

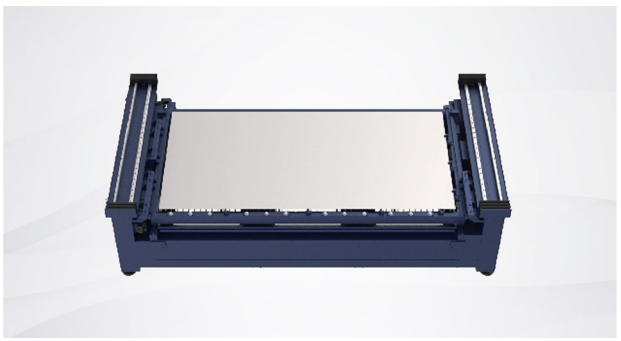
## Fully Enclosed Structure

Compliant with TUV CE Certification Standards, the X Series is equipped with a fully enclosed structure and OD glass to prevent laser radiation; grilles, fences, and monitoring further add to the operator safety.



## Secondary Processing System

The machine's mechanical positioning blocks and pneumatic cylinder clamping work together to ensure rock-solid stability and exact, repeatable alignment for all secondary processing tasks.

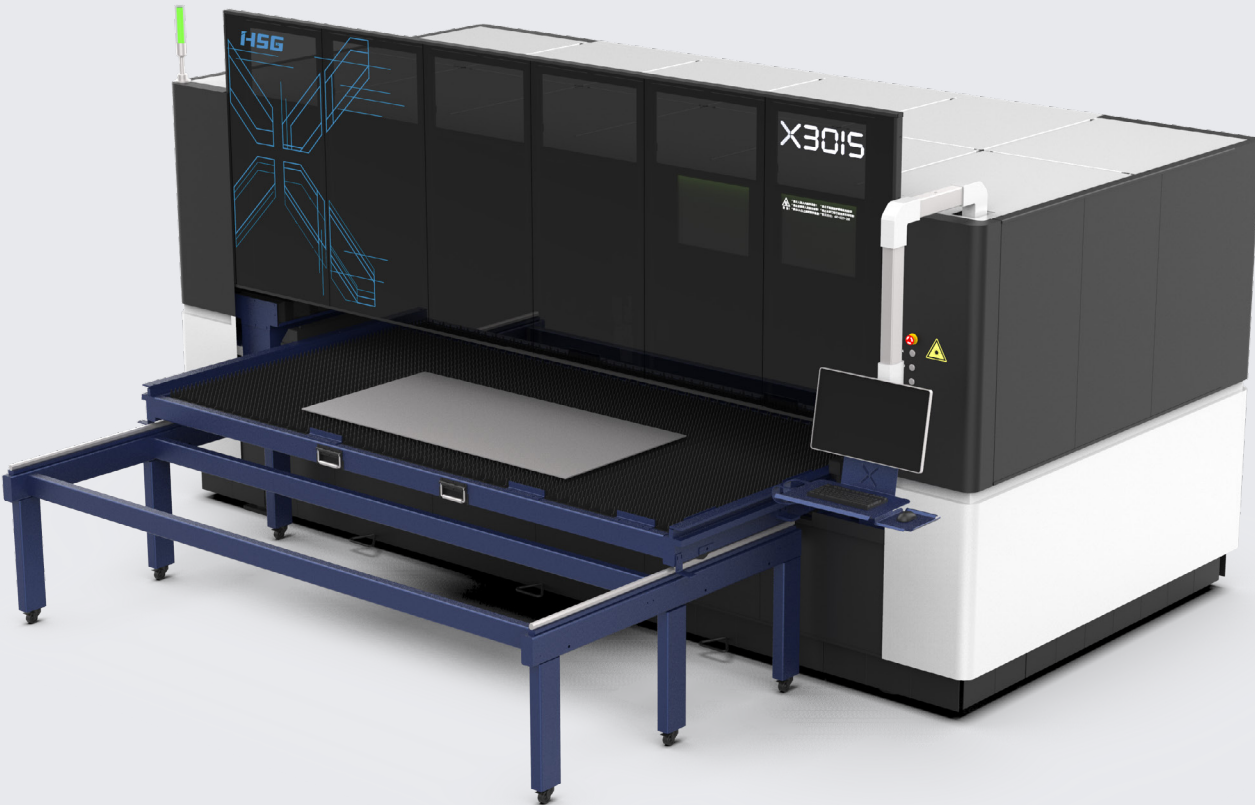
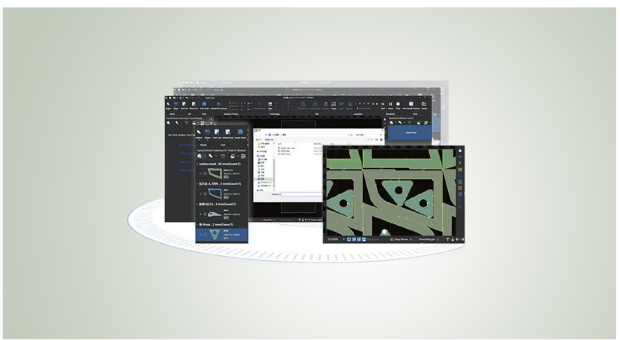


## High Processing Efficiency

The overall machine acceleration reaches 1.5G, greatly improving processing efficiency. The cutting worktable can bear a sheet weight of up to 1000kg, meeting the highest thickness of 30mm for whole sheet processing, resulting in higher processing capability.

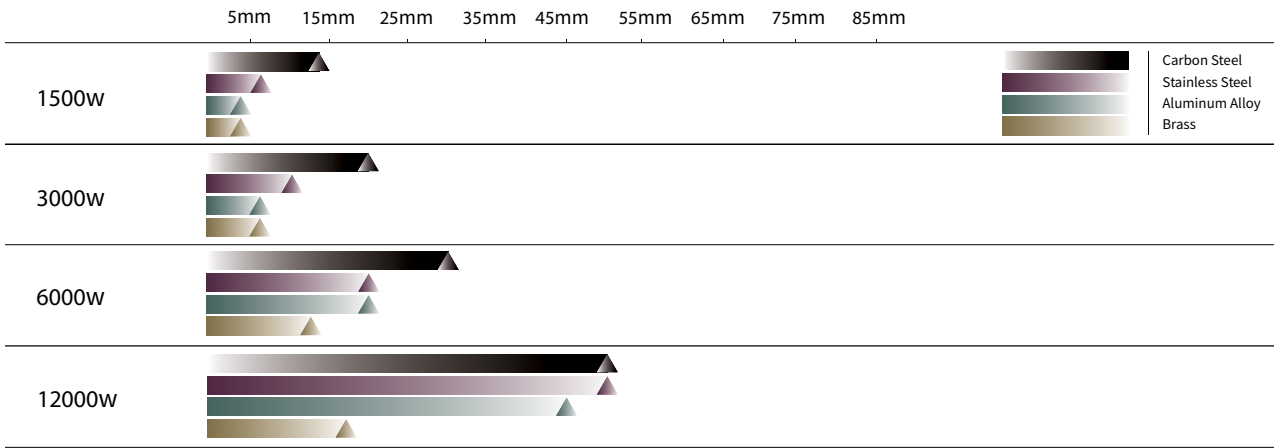
## Professional Nesting Software

Intuitive operation with drawing functionality, supporting both manual and automatic nesting. It accommodates various materials and thicknesses with categorised typesetting for efficient management. Excel batch import simplifies data input, boosting workflow efficiency.



# SPECIFICATIONS

Parameters	X3015	
Processing Format (LxW) (mm)	3048 x 1524 (1500W - 6000W)	3000 x 1500 (12000W)
Power (kW)	1.5 - 12	
X/Y Axis Positioning Accuracy	±0.03 mm/m	
X/Y Axis Repositioning Accuracy	±0.03 mm	
Max. No-load Speed	120 m/min	
Max. Acceleration	1.5G	
Overall Capacity (kW) / Current (A)	26 / 52 (3000W) 38 / 76 (6000W) 62 / 124 (12000W)	
Max. Loading Weight (kg)	1000	
Overall Dimensions (LxWxH) (mm)	4900 x 3167 x 2521	
Machine Weight (kg)	4800	
Laser Cutting 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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