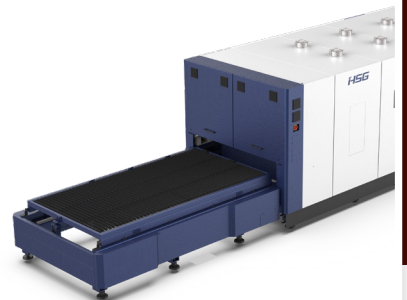
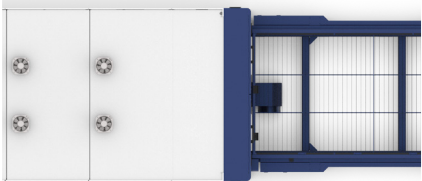


GX SERIES

Double Exchange Platform Laser Cutter



HSG GX SERIES

The HSG GX Series Laser Cutting Machine delivers precision, speed, and versatility for a wide range of industries including automotive, aerospace, and fabrication. Designed for efficiency, it combines advanced laser technology with intuitive operation and smart automation to maximise productivity and reduce running costs.



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.

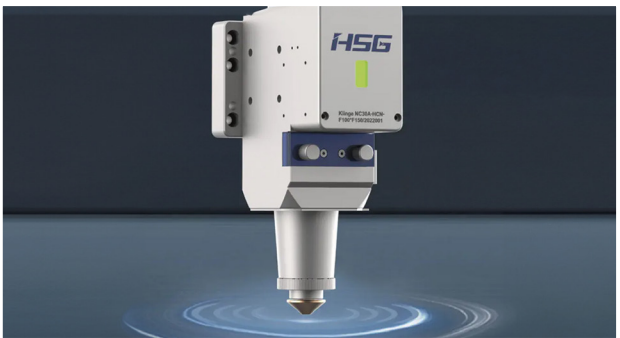


Bus-based Laser Cutting Heads

HSG's self-developed bus-controlled cutting heads, available from 10kW to 60kW, deliver stable, high-precision cutting on thick materials. They feature optical film protection to prevent lens contamination, real-time focus monitoring, and a responsive bus-based height adjustment system for optimal performance.

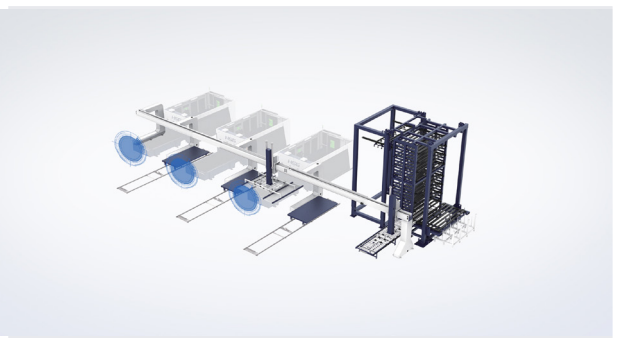
Follow-up Response Technology

Featuring high-sensitivity striker plate detection, this system instantly tracks and adapts to vibrating or uneven sheets for consistent cutting quality. Automatic obstacle avoidance further protects the cutting head, ensuring smooth, uninterrupted operation.



Smart Factory Integration

Seamlessly integrates with material towers and automated loading/unloading systems to enable fully automated production lines. The intelligent system generates production reports with a single click.

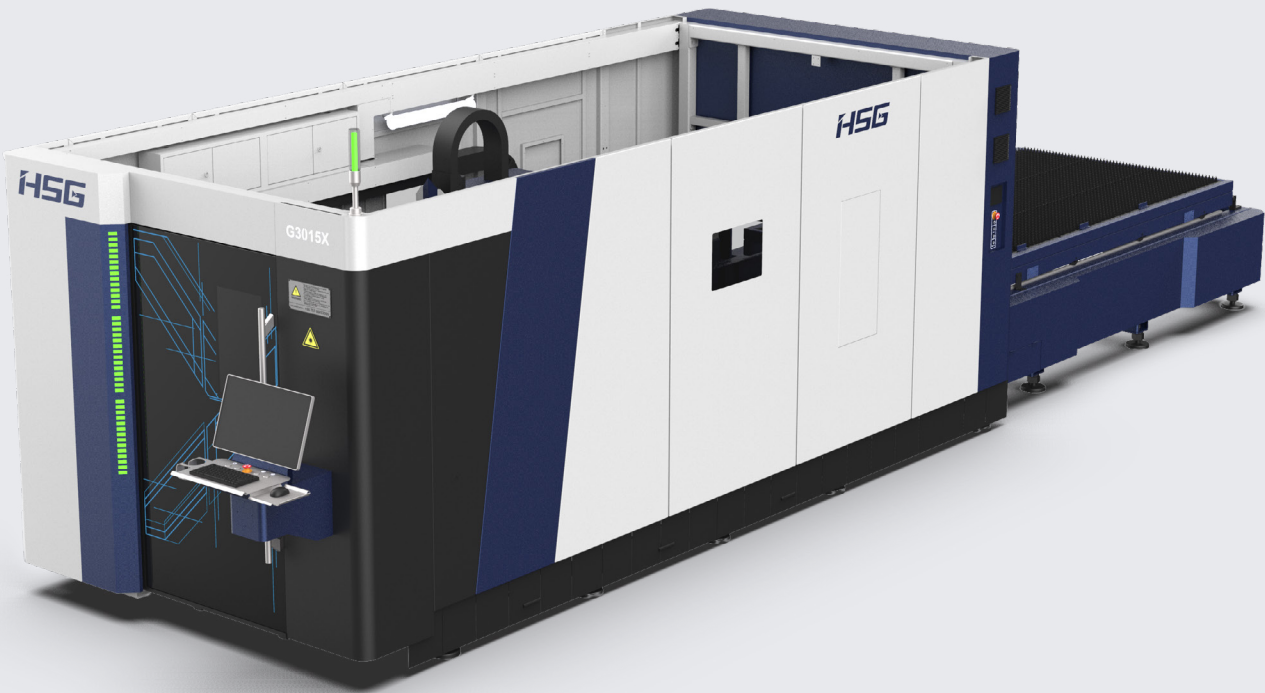
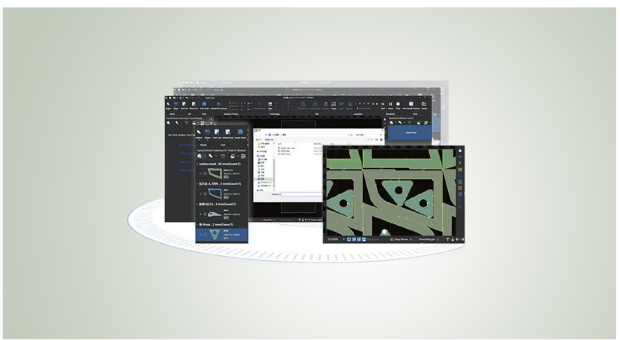


Advanced Processing Technology

High-speed microjoining, nano microjoining, counterbore technology, and non-inductive perforation ensure precision. Manual and automatic edge tracing, an anti-collision beam, and coaxial visual sensing enhance safety and accuracy while efficiently handling small material fragments.

Professional Nesting Software

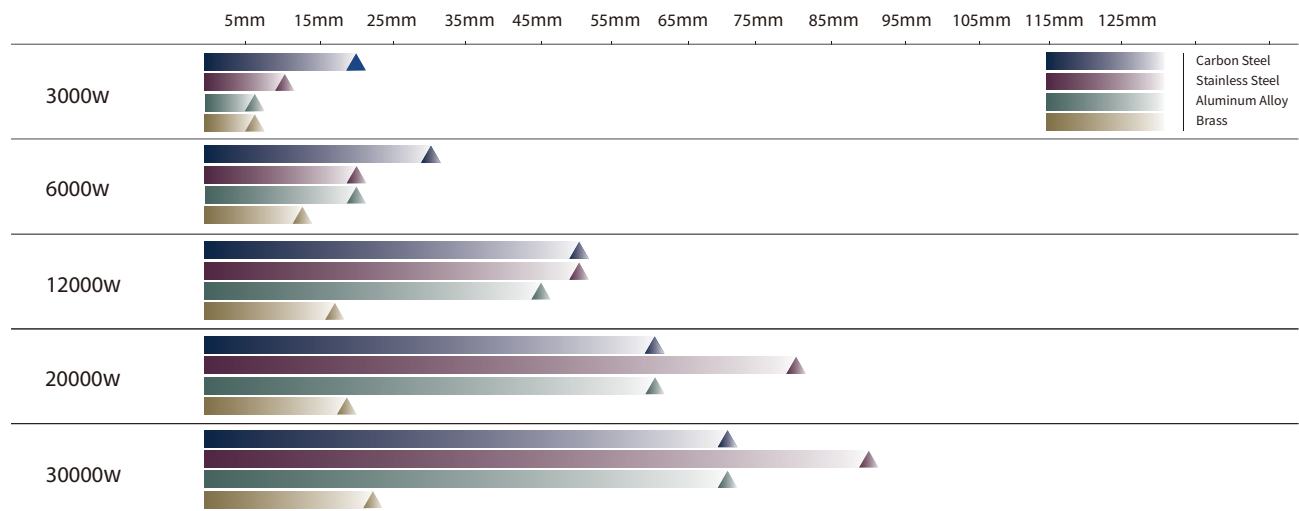
Intuitive operation with drawing functionality, supporting both manual and automatic nesting. It accommodates various materials and thicknesses with categorised typesetting for efficient management. Excel batch import simplifies data input, boosting workflow efficiency.



SPECIFICATIONS

Parameter	G3015X	G4020X	G6025X	G12025X
Processing Format (LxW) (mm)	3048 x 1524	4064 x 2040	6096 x 2540	12500 x 2540
Power (kW)	3 - 20	3 - 20	3 - 20	12 - 30
X/Y Axis Positioning Accuracy	±0.03 mm/m	±0.03 mm/m	±0.03 mm/m	±0.03 mm/m
X/Y Axis Repositioning Accuracy	±0.03 mm	±0.03 mm	±0.03 mm	±0.03 mm
Max. No-load Speed	140 m/min	140 m/min	120 m/min	120 m/min
Max. Acceleration	1.5G	1.5G	1.5G	1.5G
Overall Capacity (kW) / Current (A)	21 / 43 (3000W) 31 / 63 (6000W) 52 / 104 (12000W) 79 / 158 (20000W)	23 / 45 (3000W) 33 / 65 (6000W) 53 / 106 (12000W) 80 / 161 (20000W)	26 / 51 (3000W) 36 / 71 (6000W) 56 / 112 (12000W) 83 / 167 (20000W)	59 / 118 (12000W) 86 / 173 (20000W) 120 / 241 (30000W)
Max. Loading Weight (kg)	885 (3-6kW) 1400 (12-20kW)	1570 (3-6kW) 2500 (12-20kW)	2950 (3-6kW) 4800 (12-20kW)	9500 (12-20kW) 12000 (30kW)
Overall Dimensions (LxWxH) (mm)	9380 x 2260 x 2250	11650 x 3550 x 2480	16250 x 4150 x 2480	29375 x 4150 x 2480
Machine Weight (kg)	5700 (3-6kW) 6900 (12-20kW)	7200 (3-6kW) 7600 (12-20kW)	12500 (3-6kW) 13600 (12-20kW)	28000 (12-20kW) 30000 (30kW)

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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