

LASER MACHINES

# C SERIES

Single Platform Sheet Laser Cutter

1500 - 6000W

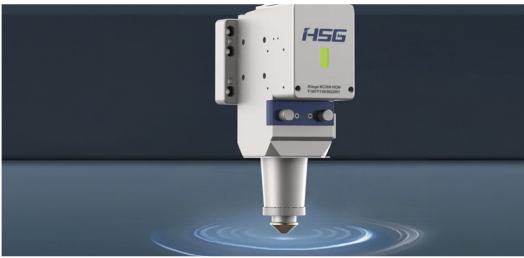


# FEATURES



## 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.



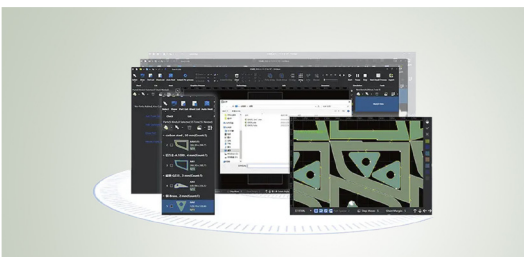
## Follow-up Response Technology

Integration of a high sensitivity striker plate detection with rapid vibrating sheet tracking, coupled with automatic obstacle avoidance.



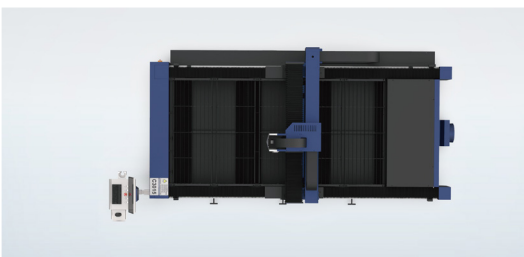
## Fully Functional Processing Technology

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.



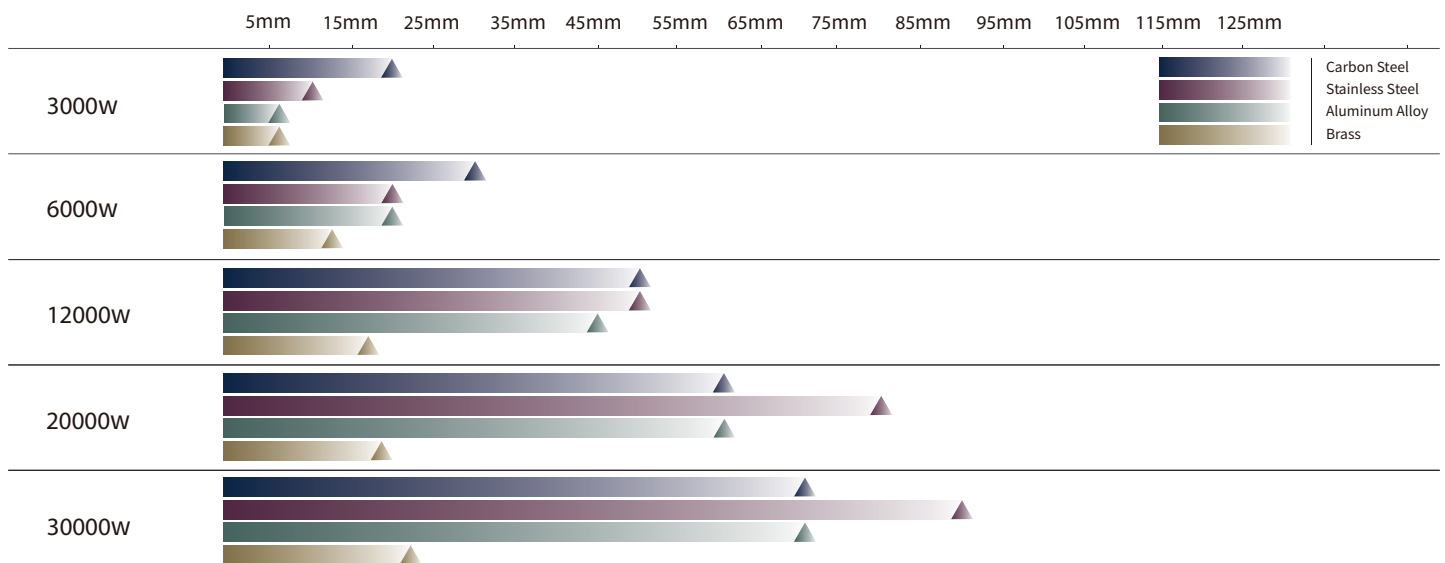
## Compact and Efficient Design

The single-platform, open-structure design allows material loading from three directions, maximising space efficiency while maintaining high functionality.

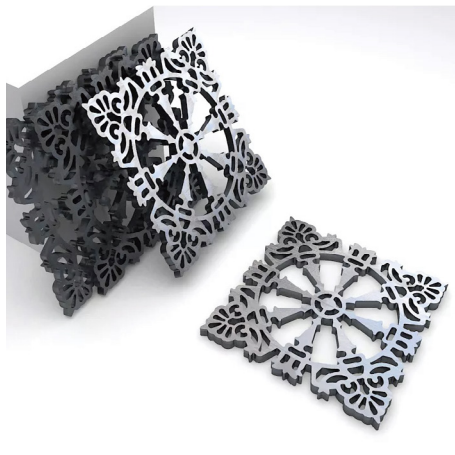
# SPECIFICATIONS

Parameters	C3015	C4020	C6025	C12025	C14030
Processing Format (LxW) (mm)	3048 x 1524	4064 x 2032	6096 x 2540	12500 x 2540	14000 x 3100
Power (kW)	1.5 - 6	1.5 - 6	1.5 - 6	12 - 30	12 - 30
X/Y Axis Positioning Accuracy	±0.05 mm/m	±0.05 mm/m	±0.05 mm/m	±0.05 mm/m	±0.03 mm/m
X/Y Axis Repositioning Accuracy	±0.03 mm	±0.03 mm	±0.03 mm	±0.05 mm	±0.05 mm
Max. No-load Speed	120 m/min	120 m/min	100 m/min	120 m/min	120 m/min
Max. Acceleration	1.5G	1.0G	1.0G	1.5G	1.5G
Overall Capacity (kW) / Current (A)	12 / 24 (1500W) 17 / 34 (3000W) 27 / 54 (6000W)	16 / 31 (1500W) 21 / 42 (3000W) 31 / 62 (6000W)	21 / 42 (3000W) 31 / 62 (6000W) 51 / 103 (12000W) 79 / 157 (20000W)	56 / 111 (12000W) 83 / 166 (20000W) 117 / 234 (30000W)	57 / 115 (12000W) 85 / 169 (20000W) 119 / 237 (30000W)
Max. Loading Weight (kg)	600 (≤ 3kW) 800 (6kW)	1200 (≤ 3kW) 1500 (6kW)	2600 (≤ 6kW) 4150 (12kW) 5300 (20kW)	9500 (≤ 20kW) 11000 (30kW)	12500 (≤ 20kW) 17000 (30kW)
Overall Dimensions (LxWxH) (mm)	5200 x 2600 x 1650	6400 x 3150 x 2000	8050 x 3450 x 2000	15700 x 3800 x 2200	17500 x 4450 x 2200
Machine Weight (kg)	1900 (≤ 3kW) 2100 (6kW)	3000 (≤ 3kW) 3300 (6kW)	4600 (≤ 6kW) 4800 (≥ 12kW)	14300	17500

## Laser Power



# CUTTING SAMPLES



[lasermachines.com.au](http://lasermachines.com.au)

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