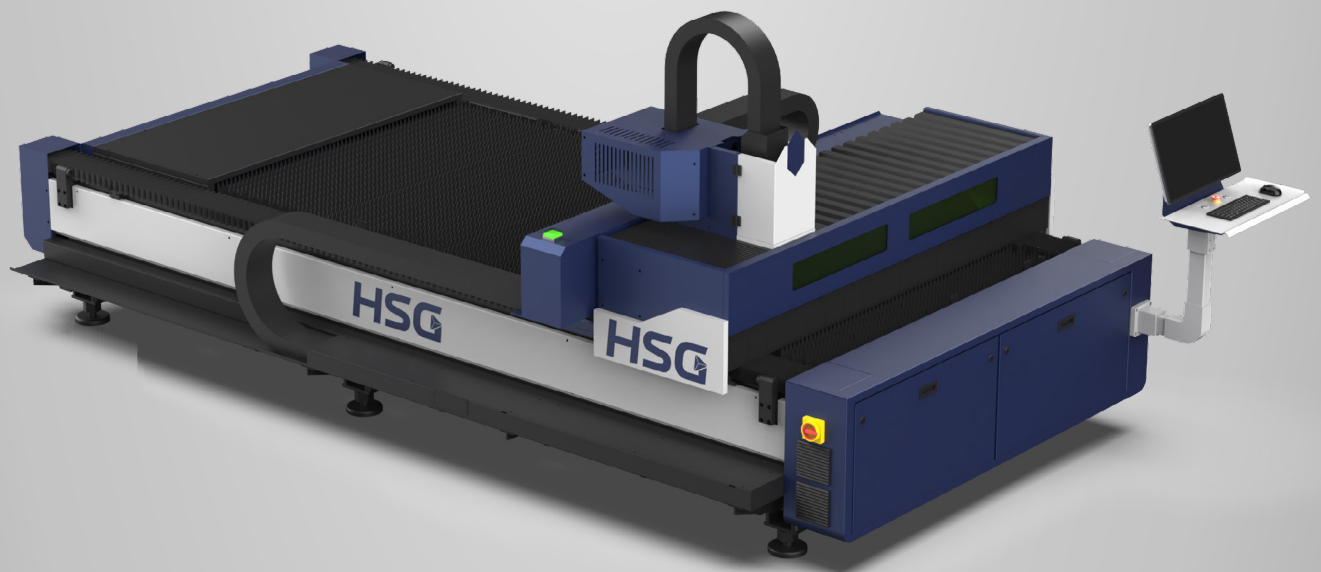


# C SERIES

Single Platform Sheet Laser Cutter

1500 - 6000W

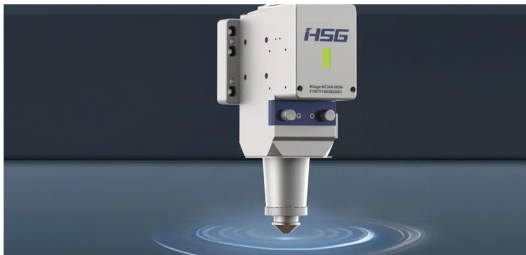


# FEATURES



## Enclosed Crossbeam with OD6 Protective Glass

Upgraded crossbeam design, now fully enclosed with OD6 protective glass panels. This enhancement significantly reduces laser exposure, allowing operators to observe the cutting process safely without compromising visibility. It also helps contain dust and fumes within the cutting area, contributing to a cleaner and safer workspace.



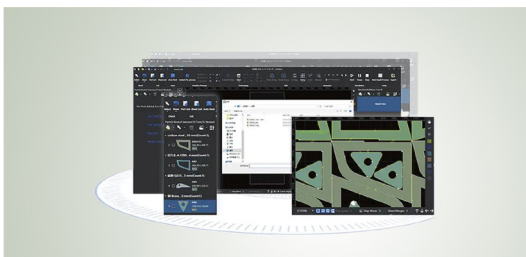
## Auto-Focus Cutting Head

Engineered for precision and performance, the HSG Laser P06 cutting head delivers consistent, high-quality results across a wide range of materials and thicknesses. With intelligent height sensing, efficient cooling, and a robust, low-maintenance design, it ensures stable cutting performance even at high speeds.



## Safety Light Curtains

Integrated light curtain sensors enhance operator safety by automatically pausing operation if unexpected movement is detected - protecting both personnel and equipment from potential harm.



## 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.



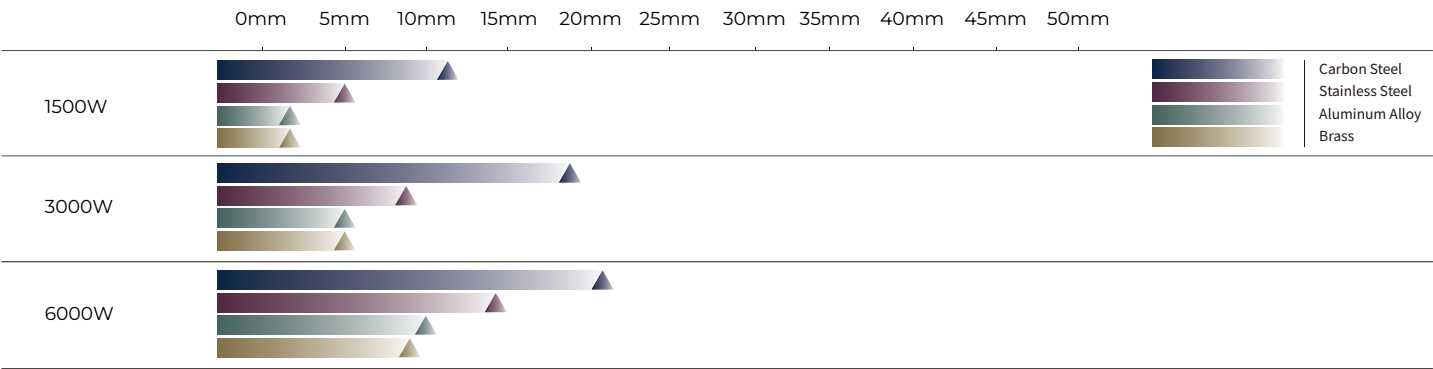
## Alpha T2.0 Bus Control System

High-speed, stable communication between components, enabling faster response times and more precise control of the cutting process. With streamlined wiring and real-time data transmission, it enhances system reliability, reduces signal interference, and supports smart automation features for improved efficiency and performance.

# SPECIFICATIONS

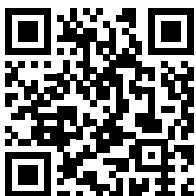
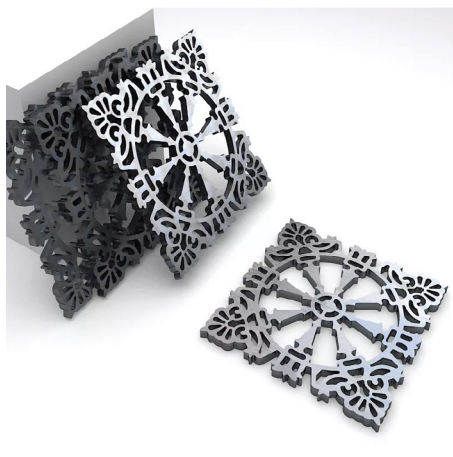
| Parameters                          | C3015                                                 | C4020                                                 |
|-------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Processing Format (LxW) (mm)        | 3048 x 1524                                           | 4064 x 2032                                           |
| Power (kW)                          | 1.5 - 6                                               | 1.5 - 6                                               |
| X/Y Axis Positioning Accuracy       | ±0.05 mm/m                                            | ±0.05 mm/m                                            |
| X/Y Axis Repositioning Accuracy     | ±0.03 mm                                              | ±0.03 mm                                              |
| Max. No-load Speed                  | 100 m/min                                             | 100 m/min                                             |
| Max. Acceleration                   | 0.8G                                                  | 0.8G                                                  |
| Overall Capacity (kW) / Current (A) | 12 / 24 (1500W)<br>17 / 34 (3000W)<br>27 / 54 (6000W) | 16 / 31 (1500W)<br>21 / 42 (3000W)<br>31 / 62 (6000W) |
| Max. Loading Weight (kg)            | 600 (≤ 3kW)<br>800 (6kW)                              | 1200 (≤ 3kW)<br>1500 (6kW)                            |
| Overall Dimensions (LxWxH) (mm)     | 5200 x 2600 x 1650                                    | 6400 x 3150 x 2000                                    |

## Laser Power



Please note: Cutting thickness ranges shown are based on internal testing under ideal conditions using the most suitable assist gas for each material. Actual performance may vary depending on material quality, surface condition, and machine setup.

# CUTTING SAMPLES



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

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Factory 17 / 116 - 118 Abbott Rd,  
Hallam, VIC 3803

Unit 2 / 56 Central Hills Drive,  
Gregory Hills, NSW 2557

**LASER MACHINES**