

CELL3015G

3000-6000W

3D Five-axis Laser Cutting Machine



Technical Parameters

Technical Parameters	CELL3015G
Power	3000W-6000W
X/Y/Z-axis positioning accuracy	±0.05mm
X/Y/Z-axis repositioning accuracy	±0.03mm
C Axis Acceleration	100rad/s²
B Axis Acceleration	200rad/s²
Max. Acceleration of X/Y/Z	1.0G

* Machine appearance, technical parameters, function description, data comparison shown in this page are from HSG in-house laboratory. All testing results and experimental data shall be subject to real machine.

LA5 Five-axis Linkage Cutting Head

- This cutting head is self-developed by HSG Laser for 3D cutting and it has functions of N*360° rotation and ±135° swing.
- Slender nozzle units.
- Reliable airway design and simulation to ensure cutting quality.



Smooth and high-speed TCP Control

- It features smooth operation and stable dynamic performance with functions of angle compensation, cutting tip compensation, gesture control, and W-axis follow-up control.
- Positioning accuracy ±0.05mm
- X-Y-Z maximum Acceleration 170m/min

Fully-closed Structure

- The machine comes standard with top cover to form fully-closed structure for clean work environment.
- Safety interlocking doors enable fully-sealed work .



360° Crash-proof Protection

- Cutting head is outfitted with 360° crash-proof device that helps to protect the cutting head well.

Anti-collision Safety Light Curtain

- The cutting will stop immediately when any intruder is detected to protect both workers and the machine.

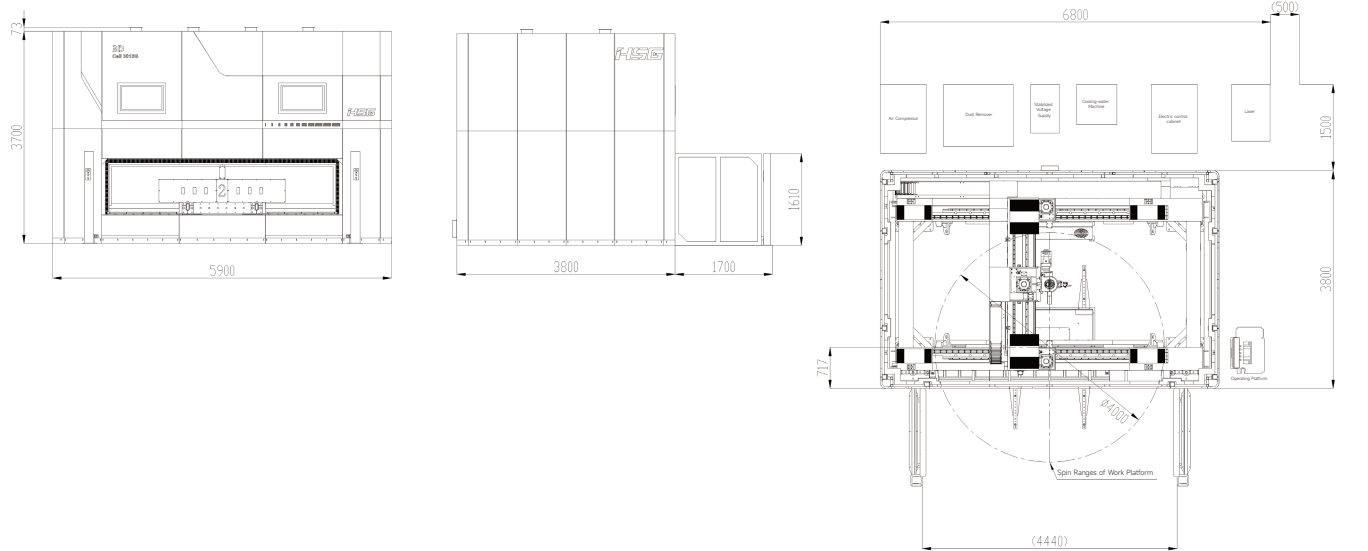


Video Monitoring Cameras

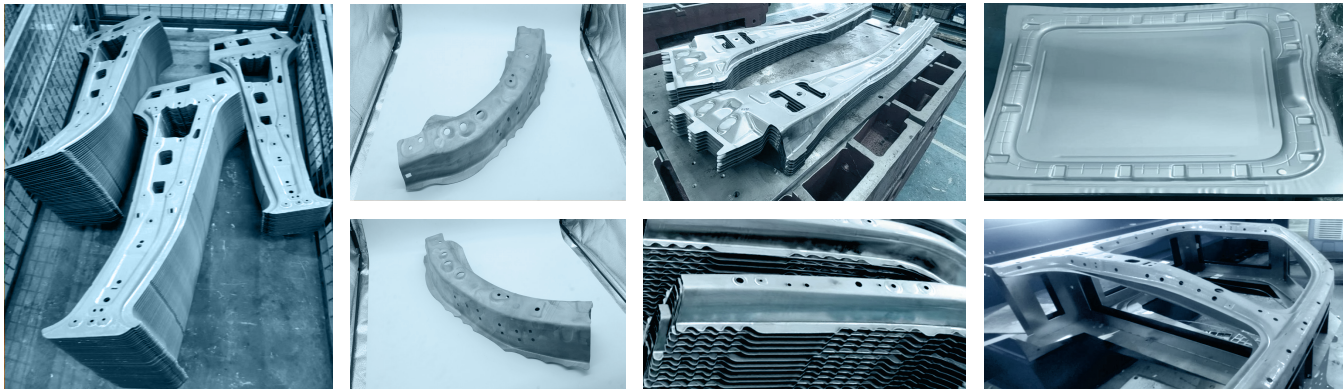
- With HD cameras, operators can get the whole picture of cutting process while standing by control console.
- Monitoring display screen is installed on the front of this machine to show real-time machining status.

Machine Foundation

*The marked size has about 10mm error



Bending Samples



Customer Case

