

CELL

3D Five-axis Laser Cutting Machine

HIGH PRECISION AND EFFICIENT SOLUTIONS OF 3D WORKPIECE CUTTING



Laser Power

3-6kW

B-Axis Travel

±135°

C-Axis Travel

N*360°

X/Y/Z Max.Speed

100m/min

PRODUCT OVERVIEW

High-Performance And Efficient Solutions of 3D Cutting



HSG's 3D five axis laser cutting machine is suitable for cutting various complex shaped workpieces. Compared with traditional processing modes, 3D five axis laser cutting machines can greatly improve production efficiency, achieve efficient and accurate cutting, and reduce production costs.

FLEXIBLE PRODUCTION

Suitable For Customized Production

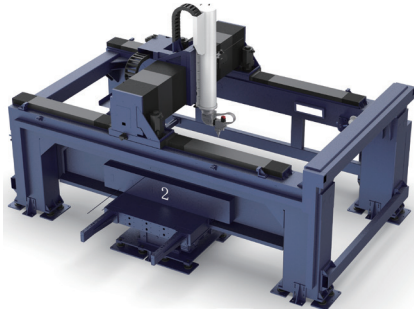


Due to its flexibility and precision, HSG's 3D five-axis laser cutting machine is very suitable for small batch or customized production, and can meet the personalized needs of customers. It can be applied in automotive manufacturing, aerospace, engineering machinery, and model manufacturing etc.

IMPROVE PROCESSING QUALITY

LA5 Five-axis Linkage Cutting Head

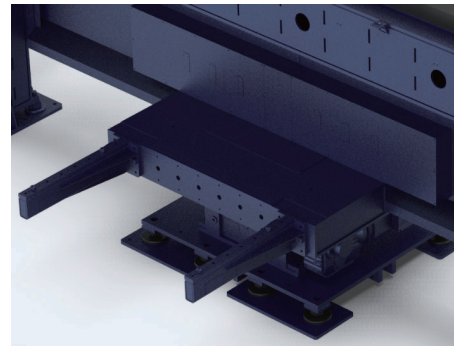
This cutting head is self-developed by HSG Laser for 3D cutting and it has functions of N*360° rotation and $\pm 135^\circ$ swing. Reliable airway design and simulation to ensure cutting quality. 360° anti-collision design, protecting valuable components from potential damage caused by collisions during cutting.



SAVE YOUR TIME

High Dynamic Performance

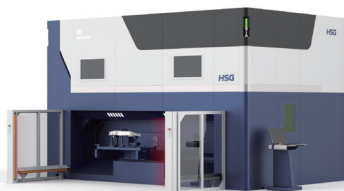
The overall CAE force analysis design adopts integrated welding of crossbeams to optimize the rigidity and stability of the structure. The Z-axis cast aluminum structure is lighter, with a high-precision turntable that rotates in a shorter time and higher processing efficiency.



SAVE YOUR TIME

Efficient and Stable Production

High speed and high-precision rotating worktable, single rotation $\leq 2.0s$. FANUC system enables 3D IO Link communication interface, dual station configuration standard fixture interface, simple and easy to operate interface, compatible with host factory fixture interface requirements. Configure laser automatic marking function, one click interface modification; Automatic calibration of capacitors effectively improves production stability; Remote intelligent control of dust collectors further reduces production energy consumption;



RESOLVE YOUR CONCERNS

Fully-protective Structure

The machine standard with top cover forms a fully-protective structure for a clean working environment. Intelligent light curtain grille to prevent accidental entry of personnel. Visual monitoring, the screen can display the cutting area in real time.

TECHNICAL PARAMETERS

Model	CELL3015G
Laser Power	3-6kW
X/Y/Z-axis positioning accuracy	$\pm 0.05mm$
X/Y/Z-axis repositioning accuracy	$\pm 0.03mm$
Max. Loading Weight	400kg
X/Y/Z Max. Speed	100m/min
Max. Acceleration of X/Y/Z	1.0G

*Information and images are for reference only. Final specifications and terms are subject to the contract and may change without notice.