

AUTO THERMAL FORMING PARTS
3D LASER CUTTING MACHINE
AUTOBOT3015



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AUTOBOT3015 auto thermal forming parts 3D laser cutting machine is a kind of 3D 5 axis laser manufacture equipment developed specially for auto thermal forming section, mainly used for hole boring & edge cutting for high-strength steel with higher precision, higher speed and better dynamic performance. Assembled with high performance rotation work table, can meet the efficiency in auto section.



Stability

designed in elevated gantry structure, comparing with cantilever structure, more stable, higher acceleration, higher positioning speed, guarantee cutting efficiency and precision in long-term.



High Efficiency

max simultaneous speed is 166m/min, max simultaneous acceleration is 1.7G, min station shift for rotation work table is 3s, and max cutting speed is 30m/min.



Multi-Station

realize rapid machining for different parts, and automatically loading and unloading.



Security

machine protection device meet with international standard CE/CDRH.

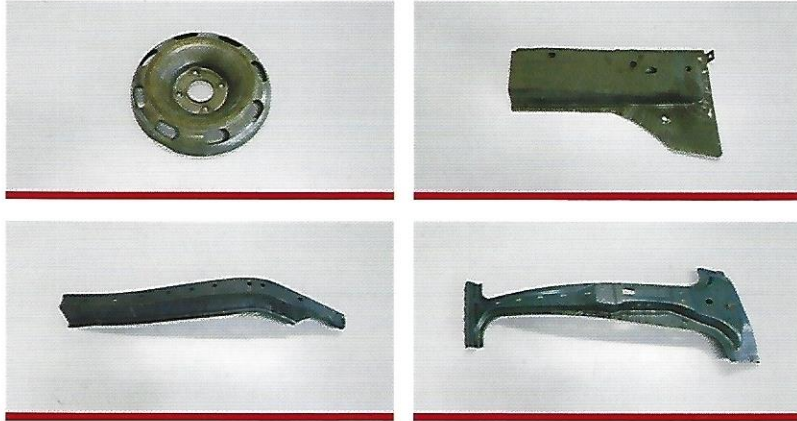


Cost Efficiency

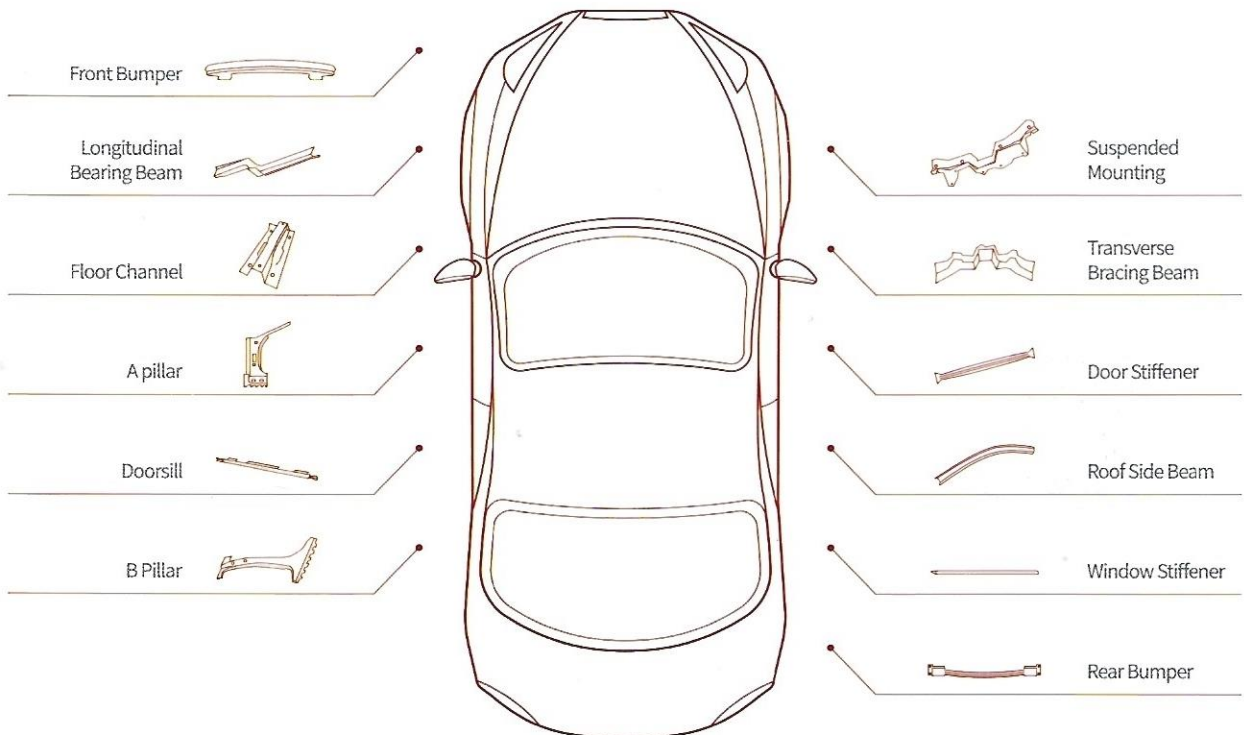
performance as good as foreign brand, shorter delivery period, more flexible budget, lower maintenance cost.

Samples

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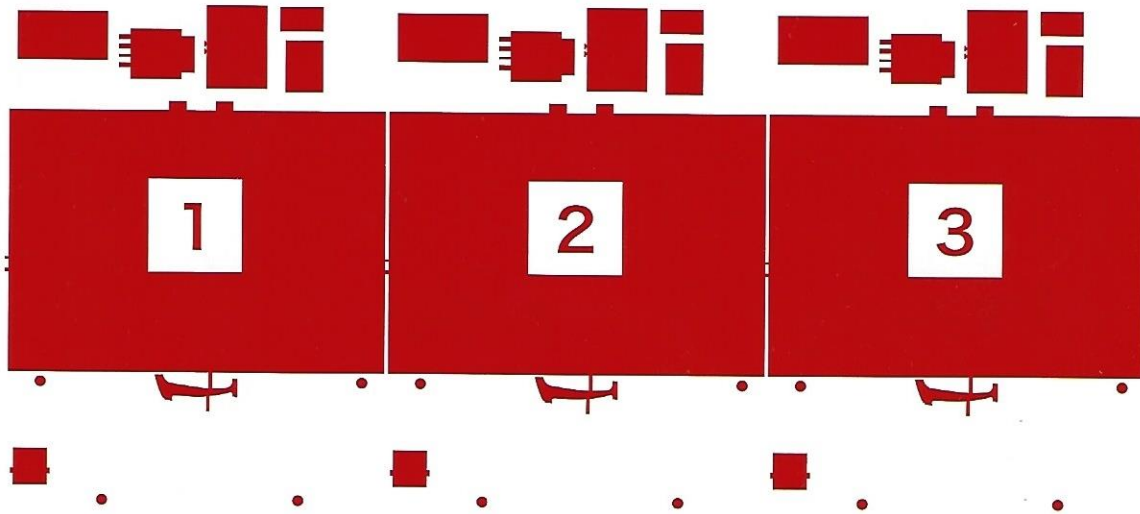
- Auto Forming Parts Cutting Samples



- AUTOBOT3015 auto thermal forming parts 3D laser cutting machine can cut all kinds of auto forming parts with high efficiency, specially designed for auto thermal forming parts cutting in mass production.

More Reasonable Lay-out.

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- Nowadays, with limited site in factory, placed the machines side by side can save the space maximally.

High-performance light weight cutting head

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Axis rotate unlimitedly

- Max Positioning Speed: 360° /s
- Quick Piercing
- Auto Focusing
- Small Angle Parts Cutting
- Crash Protection

Technical Parameters

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AUTOBOT3015		Parameters
Working Range	X Axis	3000mm
	Y Axis	1500mm
	Z Axis	600mm
	A Axis	±135°
	C Axis	±n×360°
	Accuracy	X,Y,Z Axis Position Accuracy
X,Y,Z Axis Repeat Accuracy		0.02mm
A,C Axis Position Deviation		0.03°
A,C Axis Repeat Accuracy		0.01°
Speed	X,Y,Z Axis Simultaneous Max Speed	166m/min
	A,C Axis Max Speed	360° /s
	X,Y,Z Axis Simultaneous Max Acceleration	1.7G
	A,C Axis Simultaneous Max Acceleration	3600° /s ²
	Dynamic Axis Range	±17.5mm
	Cutting Max Speed	30m/min
Working Table	Automatic rotary table	Rotation Diameter 4000mm
		Side Max. Load 400kg
		Min Shifting Time 3s
Power	Phase No.	3
	Rated Voltage	380V
	Frequency	50Hz
	Protection Level	IP54
Weight & Size	Net Weight	around 70000Kg
	Space Size	Width × Height × Depth 8000×7500×4000mm

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