

三维五轴激光切割机

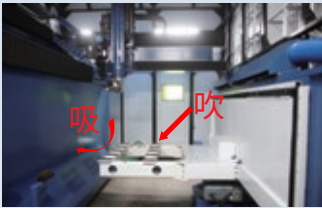
3D Five-Axis Laser Cutting Machine

三维五轴激光切割机是一款专为切割三维金属工件的激光加工设备，主要解决热成形件的切孔和修边问题，其特点是精度高、速度快、性能稳定可靠，配置高性能变位机，可满足行业高效率要求。

3D five-axis laser cutting machine is a laser processing equipment designed for 3D metal workpieces. Specialized in cutting and trimming of hot formed parts, with the advantage of high accuracy, fast speed, stable and reliable performance, and equipped with high-performance positioners, 3D five-axis laser cutting machine can meet the industry's High efficiency requirements.



- 采用高刚性斜拉式悬臂结构，结构紧凑，专门用于热成形件的批量切割
- 机床安全防护符合CE国际安全标准
- HLTD系列加工幅面有3000mm×1500mm、4000mm×2000mm
- 高端配置组合，性能比肩进口设备，更少的成本投入，更低的使用维护成本
- High rigidity cantilevered cantilever structure, compact structure, specially used for batch cutting of hot formed parts
- Machine safety protection complies with CE international safety standards
- HLTD series processing size is 3000mm × 1500mm, 4000mm × 2000mm
- High-end configuration combination, performance can equal to imported equipment, less cost investment, lower maintenance costs



应用行业
Application field

- 德国LTULTRA公司的三维激光切割头，技术先进，质量可靠
- 三维激光加工头具有360°可靠无损的多级防撞保护系统
- 3D laser cutting head from LTULTRA Germany, advanced technology, reliable quality
- The 3D laser machining head has a 360 ° reliable multi-level anti-collision protection system
- 采用悬臂式床身，结构紧凑开放性好
- 整体性强，刚性好，占地面积小
- Adopt cantilevered frame, compact and open
- Strong integrity, good rigidity and small area coverage
- 除尘双通道设计，可最大限度去除加工过程中产生的有害气体和粉尘
- Double-channel dust removal design, remove the harmful gas and dust generated during the process with maximum efficiency



汽车热成形件 Hot forming part of automobile

性能技术参数 Technical Specifcation

项目 Items			单位 Unit	数值 Value
行程 Stroke	X轴行程	X axis stroke	mm	3000
	Y轴行程	Y axis stroke	mm	1500
	Z轴行程	Z axis stroke	mm	650
	C轴转角	Rotating angle of C axis	°	N°360
	A轴转角	Rotating angle of A axis	°	±135
	Q轴行程	Rotating angle of Q axis	mm	±10
速度 Speed	X / Y / Z最大速度	X / Y / Z axis max speed	m/min	100
	X / Y / Z最大加速度	X / Y / Z axis max acceleration	g	1.0
	C / A轴最大速度	C / A axis maximum rotation speed	r/min	120 / 120
	C / A轴最大加速度	C / A axis maximum rotation acceleration	rad/s²	60
精度 Precision	X / Y / Z定位精度	X / Y / Z axis positioning accuracy	mm	±0.05
	X / Y / Z重复定位精度	X / Y / Z axis positioning repeat accuracy	mm	0.03
	C / A轴定位精度	C / A axis positioning accuracy	°	0.015
	C / A轴重复定位精度	C / A axis repeat positioning accuracy	°	0.005