

ZY1218激光切割系列 1000W/1500W

ZY1218 Laser Cutting Series 1000W/1500W

适用范围: 模切板、PVC胶板、亚克力板、钢板、铝合金、不锈钢板和非金属板材等。

Suitable Material: Plywood, PVC, acrylic, alloy, stainless steel, carbon steel plate, and all thick type non-metallic material

相关领域: 激光切割机广泛用于广告标牌制作、钣金结构、金属工艺品、五金等, 模切行业。

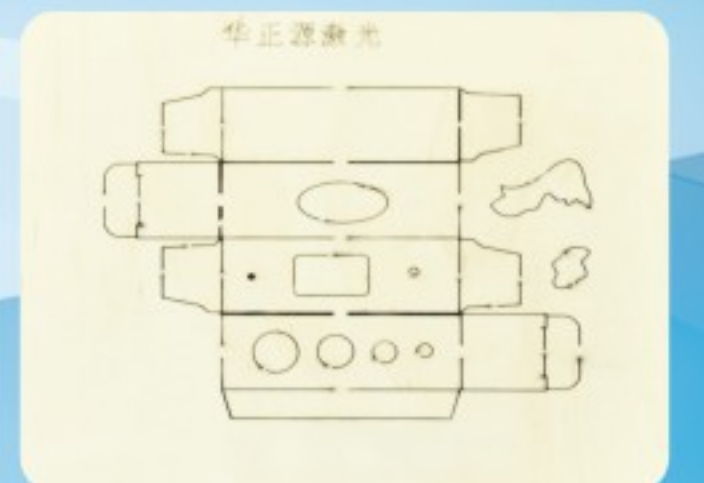
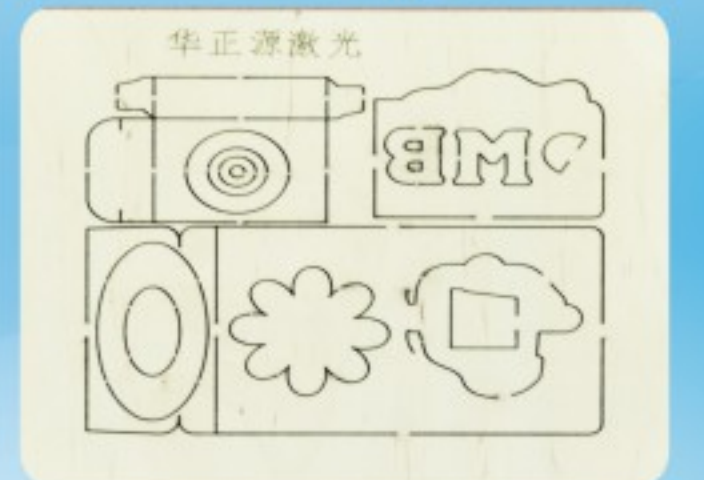
Related field: Advertising signs, sheet metal structure, metal crafts, metals, die-cutting industry.



产品技术特点

- ◆ ZY1218-1000W/1500W型数控技术激光切割机配置了性能优良的轴快流二氧化碳激光器, 激光器输出激光束, 经过光路系统处理及传输, 再经激光头聚焦, 并吹以辅助切割气体, 在数控机床精密驱动下, 实现对各种金属以及非金属板材的激光切割加工。
ZY1218-1000W/1500W laser cutting machines equip with excellent fast axial flow CO2 laser. The cutting head focuses a beam to cut various of metal or non-metal sheet materials with several gases.
- ◆ 电容式高精度激光切割随动系统, 确保切割质量。
Precision capacitive servo system makes the distance between laser head and board constant so that all cutting grooves are same.
- ◆ 自动控气系统确保低能耗运行电力消耗和气体消耗。
The gas control system reduces power and gas consumption.
- ◆ 工业级恒温冷却系统。
Specialized constant-temperature chiller.
- ◆ 软件操作方便简单, 易学易懂。
The software is easy to handle.
- ◆ 采用进口伺服电机, 精密滚珠丝杆驱动, 定位精确, 曲线加工高精度, 速度快。
Adopt imported servo motor, ball screw & guide rails. It provide precise positioning and cutting.
- ◆ 智能控制系统。
Intelligent control system.
配有自主的光路光程补偿装置, 实现整个加工范围内光斑直径一致, 焦点恒定。
Equip with beam compensation device, which keeps the beam diameter same and focus on the entire range of processing.
- ◆ 光路补偿功能, 避免气体扰动使光束在传导过程中产生衍射和发散, 并始终保持光腔中洁净气体正气压, 防止外部烟尘进入。
The beam compensation stops the laser beam from diffraction and divergence during the transmission owing to gas disturbance. It also keeps the positive pressure of clean gas in the laser tube and prevents extra smoke from entering into laser.
- ◆ 采用龙门结构, 整体式高刚承载重梁, 克服了以往以分体式加工和安装精度不一致的缺陷, 确保飞行轴光路和几何精度长期稳定。
Adopt integral load-bearing beams and gantry structure. It keeps machine tool stable.

型号Item No.	ZY1218-1000W	ZY1218-1500W
激光器额定功率 Laser Power	1000W	1500W
激光器类型 Laser tube	大功率轴快流CO2激光器 High Power Fast Axial Flow CO2 Laser	大功率轴快流CO2激光器 High Power Fast Axial Flow CO2 Laser
X轴行程 X Axis Range	1250mm	1250mm
Y轴行程 Y Axis Range	1850mm	1850mm
定位精度 positioning precision	± 0.02mm/m	± 0.02mm/m
最大切割速度 Max Cutting Speed	2000mm/min	3000mm/min
控制系统 Control system	运动控制卡 Control Card PMAC	运动控制卡 Control Card PMAC
传动系统 Transmission system	进口丝杆导轨传动 Ball Screw & Guide Rails	进口丝杆导轨传动 Ball Screw & Guide Rails
驱动系统 Driving system	3 Axial servo	3 Axial servo
切割光路形式 Motion Structure	飞行光路 Flying Optics	飞行光路 Flying Optics
冷却系统 Chiller system	Special Water Chiller 3.0P	Special Water Chiller 5.0P
主机外型尺寸 Overall Dimension	3660mm*2200mm*1800mm	3660mm*2200mm*1800mm
机床重量 Weight	2000KG-2500kg	2500KG-3000kg
机床结构 Machine structure	龙门式 Gantry	龙门式 Gantry
供电需求 Power Supply	380V/50HZ/60A	380V/50HZ/60A
工作气体 Working Gases	O2 He N2 CO2(99.999%)	O2 He N2 CO2(99.999%)



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