



弗镭斯激光 深圳市弗镭斯激光技术有限公司
Shenzhen FLS Laser Shenzhen FLS Laser Technology Co.,Ltd

品质源于专业 服务创造价值

FLS-MQ6050

Co2 laser cutting machine

30W/60W

FLS LASER





Equipment principle

The operating principle of the carbon dioxide laser cutting machine is that the laser power supply drives the laser tube to emit light, through the refraction of several mirrors, so that the light is transmitted to the laser head, and then the focusing mirror installed on the laser head will converge the light into a point, so that the material is instantly sublimed into a gas, sucked away by the extraction fan, so as to achieve the purpose of cutting.

Parameter

Laser output power	30W/60W
optical maser wavelength	9.3um/10.64um
Laser type	Imported Co2 sealed RF laser tube
Support graphics format	DST/PLT/BMP/DXF/DWG/AI/LAS
Processing range	600x500mm (customizable)
Cutting speed	1~500mm/s
Working temperature	15°C~35°C
Power consumption	≤3.5KW





Positional accuracy	<0.01mm
Power demand	200V ± 10% 50Hz/60Hz
Cooling system	Water cooling/air cooling
Auxiliary device	Exhaust fan, exhaust pipe

Product Feature

1.Srew,imported laser,marble platform,cast aluminum gantry structure and cast iron chassis.

2.High-precision machine tool.high-precision servo screw drive to ensure position accuracy and dimensional accuracy,better roundness,better corner effect.

3.Stable walking and energy control make the edge heat affected zone of the product cut out by the machine smaller,more smooth cutting effect,and the effect is consistent.

4.Excellent software performance,can achieve layered cutting,cutting path optimization,laser energy following speed and other functions,cutting effect consistency is good,material half cutting energy control.





Suitable Material

3M, PET, PT, PC, PP, PS, FPC, ITO, EMI, EL, 9Hflexible glass, 9H, TPU soft film, OCA, AB adhesive, plexiglass, backlight, optical diaphragm,film, key nozzle, acrylic ,leather, PCB board,silk screen diaphragm,mobile phone accessories roll to roll and other non-metallic materials precision cutting.

Application Industry

3C industry,mobile screen,TP cover cutting,die cutting industry,IMD film injection molding,PET material,PMMA,PC material,OCA material,3M glue,9H film,3D hot bending film,TP feature film,mobile phone back over film,polarizing film, PET film LOGO and other industries.





Samples



Mobile phone explosion-proof film



Phone lens film



privacy screen protector for phones



Keyboard film



mobile phone logo



electroplating film



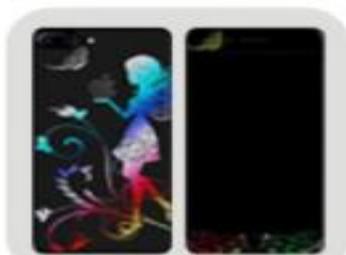
Switch film



pet film special-shaped cutting



advertising machine



Mobile phone transfer film



electrical display

Other kinds of electrical die cutting auxiliary material cutting

