

# **Industrial Multifunction Co2 Laser Cutting Machine For Metal and Nonmetal Materials**



## Description

Mixed Co2 industrial laser cutting machine is a newly super technology, mainly used to cut both metal and non-metal materials. The cutting thickness of this metal and nonmetal laser cutting machine can reach 1-2mm stainless steel, 1-3mm carbon steel, 20-30mm acrylic, 10-20mm wood, 20-25mm MDF.

The industrial laser cutting machine is a so wonderful choice for user who has demand to cut 1-2mm thin metal material and thick non-metal materials by own this co2 laser metal cutting machine. And this industrial laser cutting machine is 1325 series standard version. One machine can fulfill all your demand. Saving much cost.

## Application

Items	Materials	Cut	Engrave
Metal Materials	Stainless Steel	√	×
	Mild steel	√	×
	Carbon Steel	√	×
Non-Metal Materials	Acrylic	√	×
	MDF	√	×
	Wood	√	×
	Plywood	√	×
	Plastic	√	×
	PVC board	√	×
	Double Color Board	√	×
	Rubber	√	×

- ◆ 1) Mix Cutting: The chinese laser cutter supports both metal and non-metal Cutting, which can cut stainless steel, carbon steel, mild steel, also can cut acrylic, wood, MDF, PVC board, paper, fabric, etc.
- ◆ 2) The metal and nonmetal laser cutting machine adopts 150w / 180w / 260w / 300w Laser Tube, high power, 10000 hours long life span.
- ◆ 3) Adopt Japan imported Motor and Ball Screw transmission rod, this metal and nonmetal laser cutting machine with fast speed and high precision.
- ◆ 4) This metal and nonmetal laser cutting machine adopts dynamic auto-focusing metal sheet laser cutting head: When the metal sheet is not plain, the dynamic focus laser cutting head can adjust the focusing distance automatically.
- ◆ 5) Advanced LCD Touch Screen+ USB port+ DSP Offline Control, which make the co2 laser metal cutting machine can not only work without computer, but also connect to U disk, USB communication.
- ◆ 6) LCD Control System own 128M Big Memory, which can store files in the co2 laser metal cutting machine, compatible with AutoCAD, CorelDraw, Photoshop and some other kinds of graph disposal software.
- ◆ 7) This industrial laser cutting machine use imported high precision linear guide rail and professional optical system, dust-proof and lubricate, which improve the engraving quality and prolong the lifetime of industrial laser cutting machine.
- ◆ 8) Professional Strip work table: meets the needs of diversified laser procession.
- ◆ 9) Water Cooling System with Alarm Protection, adopt CW-5000 or CW-6000 Water Chiller with temperature display, which can avoid over burning, to protect the water circulation from electricity-off.
- ◆ 10) Equipped with luxury Consumables, USA original Focus Lens and reflect mirror, this co2 laser metal cutting machine makes high efficiency and steady.
- ◆ 11) Red Light Pointer realizes the exact position without laser.
- ◆ 12) Matched Professional cutting software is particularly designed and written for both metal and non-metallic cutting, with high compatibility, support any computer operating system.



Model	PEDK-1325M Chinese Laser Cutter
Working Area	1300*2500mm
Laser Power	180w / 260w / 300w
Transmission Method & Driving System	1. Standard Machine use Belt Transmission + Chinese Top Brand "Leadshine" Step Motor and Driving System 2. Optional Machine use Ball Screw Transmission + Japan Imported Yaskawa Servo Motor and Driving System
Laser Type	CO2 Sealed Laser Tube, 10.6um
Cooling Type	Water Cooling, 150w-180w Machine use CW-5000 260w-300w Machine use CW-6000
Working Table	Stainless steel table
Laser Output Control	(0-100% Set by Software )
Smallest Character Engraving	Chinese: 2.0mm*2.0mm, English Letter: 1.0mm*1.0mm
Highest Scanning Precision	4000DPI
Positioning Accuracy	±0.02mm/m
Positioning Speed	20m/min
Max. Cutting Thickness	40mm
Max. Cutting Speed	20m/min
Controlling Software	DSP Control System
Graphic Format Supported	BMP, PLT, DST, DXF, and AI, etc
Compatible Software	CORELDRAW, PHOTOSHOP, AUTOCAD, All type of AUTOCAD software
Drive System	High-precision 3-phase Stepper Motor
Auxiliary Equipment	Exhaust Fan and Air Exhaust Pipe
Controlling software	Off-computer controlling system
Working voltage	AC110-220V ±10%/10A,50-60HZ
Power	<2000W
Packing	Standard Plywood
Warranty	12 month for whole machine, 10 month for laser tubes
Training	VCD Training
Weight	1000 kg



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