

KM1325FC FIBER LASER

NEW FIBER/CO2 COMBINATION MACHINE

FROM \$72,950+GST



Bed Size: 1250x2500mm Bed

Fiber Laser source: MAX/Raycus/IPG

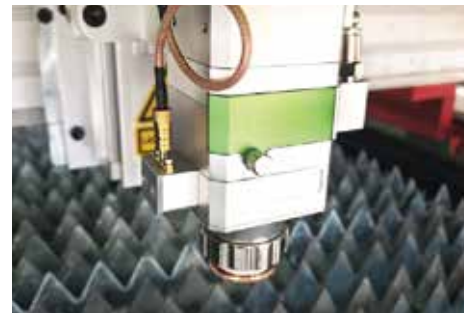
Power : 1kW, 1.5kW, 2kW

CO2 Laser source : 280W Joy Laser

“The KM1325FC is our economical full sheet combination fiber and CO2 laser designed for both metal and non-metal laser cutting. With Cypcut software, BCS100 precision surface tracking and Raytools laser head, this model is like no other Fiber/CO2 combination machine on the market. With ball-screw drive system, this machine offers high precision and high reliability to suit both small and medium businesses. This model is available as an open bed or can be enclosed with the addition of a Class 1 CE Certified full enclosure.”

FEATURES:

- Combination metal/non-metal cutting with huge 280W CO2
- 1300x2500mm open bed Class 4 laser with option to add Class 1 full enclosure
- Cypcut software - Easy to use and compatible with most files
- Automatic edge seeking
- BCS100 Automatic material tracking - Follows material surface allowing cutting of materials with slight bending or warping
- Raytools precision automatic focussing laser head -metal cutting
- Positioning and re-positioning accuracy 0.03mm
- Large Portrait monitor, built-in computer, and wireless controller
- Aviation 3rd generation aluminium gantry - Lightweight and strong
- Delta servo motor drive
- Dual TBI ground ball screw drive - Extremely high precision and supported on 2 both sides
- HIWIN guide rails
- BCS100 Automatic material tracking - Follows material surface allowing cutting of materials with slight bending or warping
- Ball bearing rollers for loading on the front and right side
- Protective cover for drive system
- Industrial S&A water cooling unit
- Under table exhaust system, high pressure exhaust fan included
- Electronic regulators for all gas connections O2, N2 and compressed air, allowing for fully software controlled pressure



CAPACITY:**CO2:**

With 280W - Cut up to 25mm Wood/Ply/Bamboo/MDF, 30mm Acrylics, Perspex, laminates etc.
Also cutting leather, paper, cardboard, rubber (stamps), foam, felt, fabric, etc.

FIBER:

1kW - Up to 10mm Mild Steel, 5mm Stainless Steel, 3mm Aluminium, 2mm Brass

1.5kW - Up to 14mm Mild Steel, 7mm Stainless Steel, 5mm Aluminium, 3mm Brass

2kW - Up to 18mm Mild Steel, 9mm Stainless Steel, 8mm Aluminium, 5mm Brass

NOTE: IPG laser source required for aluminium, Brass and other non-ferrous metal cutting.



Technical Parameters	Specification
Fiber Laser Power	1kW, 1.5kW or 2kW
CO2 Laser Power	280W
Cutting area	1250 x 2500mm
Machine Size	3800*1850*1300mm
Laser source type	MAX, Raycus or IPG Fiber + JOY CO2 laser tube
Laser Head Type	Raytools Automatic focussing laser head BM110 for fiber cutting, standard manual laser head for non-metal
Cooling Type	Industrial Water Cooling – S&A water chiller
Moving Speed	40m/min
Acceleration	0.5G
Laser Output Control	0-100% set by software
Drive method	Delta servo motor and ball screw drive system
Positioning Accuracy	0.02 mm
Re-positioning accuracy	0.03 mm
Minimum line width	0.1mm
Controlling Software	Cypcut 2000E software for Fiber laser, Ruida or Lightburn software for CO2 laser control
Graphic Format Supported	Graphics files - Ai, DXF, PLT, Gerber, G code – MaterCam, Type3, Wentai etc.
Compatible Software (for outputting supported formats)	Illustrator, photoshop, CorelDraw, Autocad, Solidworks, MaterCam, Type3, Wentai etc.
Colour Separation	Yes (imports colours to control cutting layers)
Auxiliary Equipment	Exhaust Fan, Industrial water-cooling unit
Power Supply	Machine: 1kW = 415V 50Hz 20amp 1.5kW = 415V 50Hz 32amp 2kW = 415V 50Hz 50amp
Gas Regulation	Software controlled electronic low- pressure O2 regulator (for fine adjustment at low pressure) And high pressure N2 and Compressed air electronic regulator (high pressure cutting)
Gas connection	O2 (mild steel and copper cutting) – 4 pack min Min 99.7% purity – 10m3/h maximum flow rate – 10bar max pressure N2 (Stainless, Aluminium, Brass and thin Mild steel cutting) – 9 pack min Min 99.9% purity – 40m3/h maximum flow rate – 24bar max pressure Compressed air (Stainless, Aluminium, Brass and thin Mild steel cutting) SEE OUR 18DHY-18Bar or 20DHY-20Bar COMPRESSOR OPTIONS
Working Environment	Temperature:0-45C, Humidity 5-95% (No Condensate Water)