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systems

# DM1318 Laser Cutter



**Easy accessible electronic rack**



**Focus module**



**Touch panel with color display**



**Twin tilt hopper with drawer to collect small cut pieces**



**Smooth feeding design**



## FEATURES:

- ◇ Servo motors
- ◇ Non-contact auto focus system- focus on any position of platform easily.
- ◇ Invisible upper exhaust function ventilate toxic fume instantly while working.
- ◇ Build-in exhaust blower and air-assist system operate together.
- ◇ Z axis crash proof system to prevent object strike the focus module.
- ◇ 5.7" large color LCD with multiple languages support.
- ◇ Module design for easily maintenance and swap at instantly.
- ◇ Indicator to show the working status.
- ◇ Power supply in unique drawer design for easier check up.
- ◇ Material can be loaded from three different directions.
- ◇ Red beam to indicate laser path.
- ◇ Twin tilt hopper drawer design makes work pieces collected easily.
- ◇ Sealed laser path to ensure safety.
- ◇ Self-Lubricant Linear Guide rail will minimize friction, prolong Linear Guide rail lifetime.
- ◇ Dual track design on X/Y axis, provide best stability & accuracy.
- ◇ Material clearance under tool head up to 50mm without material support.

## Technical Specifications

DM1318			
Model No.	200D	200R	400R
Laser Source	DC 200 watts sealed CO2 laser tube	RF 200 watts sealed CO2 laser tube	RF 400 watts sealed CO2 laser tube
Working area	1800 x 1300 mm ( 70.9" x 51.2" )		
Net Weight	1,200 kg		
Maximum Part Size (W x D)	1900 x ∞mm (74.8" x ∞")		
Overall Dimensions (W x D x H)	3100 x 2050 x 1050 mm (122" x 80.7" x 41.3" )		
Motorize Vertical Movement	50 mm (1.97")		
Motion Control	CNC commands (G,M code)		
PC Communication	RS-232 serial port with supplied cable		
Memory Buffer	2MB		
Focus Lens	5.0"		
Accuracy	+/-0.05mm		
Max. Cutting Speed	12M/Min		
Interface	5.7" Color LCD		
Cutting pallet	Support structure made of aluminum, minimizing damage of the reflecting light		
Power Supply	DC200W	Single Phase, 220V, 15Amp, 50/60Hz	
	RF200W	Single Phase, 220V, 15Amp, 50/60Hz	
	RF400W	Single Phase, 220V, 32Amp, 50/60Hz	
Laser Power Supply	DC200W	(Null)	
	RF200W	Single Phase, 220V, 20Amp	
	RF400W	Three Phase, 220V, 20Amp	
Cooling System	DC200W	Single Phase, 220V, 10Amp, 50/60Hz	
	RF200W	Three Phase, 220V, 15Amp, 50/60Hz	
	RF400W	Three Phase, 220V, 15Amp, 50/60Hz	
Driver	Provided		