

Fiber Laser Cutting Machine

MARVEL Series-Middle Power

- With new generation CNC systems, highly increased the cutting & piercing efficiency.
- Easy operation & supporting offline programming.
- Convenient expansion capability enables automation & MES system connection.
- It adopts world's leading fiber laser source. Raycus laser source with 5 years warranty.
- High efficient laser cutting head, vacuum seal and stable optics.



Main technical parameters

Model	MARVEL3000-3015	MARVEL3000-4022	MARVEL6000-4022
Processing area (mm × mm)	3000 × 1500	4000 × 2200	4000 × 2200
X-axis stroke (mm)	3100	4064	4064
Y-axis stroke (mm)	1525	2232	2232
Z-axis stroke (mm)	140	140	140
X-Y maximum positioning speed (m/min)	80/100	80/100	100
Linkage maximum positioning speed (m/min)	110/140	110/140	140
Machine positioning accuracy (mm)	0.05	0.05	0.05
Repeated positioning accuracy (mm)	0.025	0.025	0.025
Maximum load weight (Kg)	1000	1400	1400
Machine tool weight** (≈Kg)	≤8000	≤11000	≤11000
Machine size mm	Length	9338	12060
	Width	2940	3905
	Height	2315	2375
CNC SYSTEM		Farley-Cypcut/ANCA	

Cutting sample



Thickness

25mm

5mm

4mm

2mm

Material

Carbon steel

Stainless steel

Alloy saw blade

Galvanized sheet

Workpiece accuracy depends on the quality of the various materials, pretreatment and sheet thickness and heating.

Host weight without peripherals

In order to achieve the maximum cutting thickness, the conditions must be met: the laser cutting equipment is in optimal maintenance and adjustment, and the material must meet the quality standards of no impurities and rust (laser material).

Retain size, design, and equipment modifications. It has passed ISO9001, EU CE certification.

Fiber Laser Cutting Machine

MARVEL Series-High Power

- The MARVEL series is the best choice for metal sheet cutting.
- Cost effective.
- Low running& maintenance costs.
- To meet the processing needs of 100% technical materials, the machine is one of the mainstream procurement models.
- Supported by 3000-12000W power, suitable for different thicknesses metal high efficient cutting.



Main technical parameters

Model		MARVEL6000-6022	MARVEL6000-6255	MARVEL6000-8022	MARVEL6000-8255	MARVEL6000-10022
Processing area (mm × mm)		6000 × 2200	6000 × 2500	8000 × 2200	8000 × 2500	10000 × 2200
X-axis stroke (mm)		6090	6090	8090	8090	10090
Y-axis stroke (mm)		2220	2550	2220	2550	2220
Z-axis stroke (mm)		285	285	285	285	285
X-Y maximum positioning speed (m/min)		100	100	100	100	100
Linkage maximum positioning speed (m/min)		140	140	140	140	140
Machine positioning accuracy (mm)		0.05	0.05	0.05	0.05	0.05
Repeated positioning accuracy (mm)		0.025	0.025	0.025	0.025	0.025
Maximum load weight (Kg)		3100	3600	4200	4800	5200
Machine tool weight** (≈Kg)		≤16000	≤16500	≤18000	≤19000	≤21500
Machine size mm	Length	14905	14905	19516	19516	23550
	Width	3905	4221	3905	4221	3905
	Height	2560	2560	2560	2560	2560
CNC SYSTEM				Farley-Cypcut/ANCA		

Cutting sample



Thickness 30mm

Material Carbon steel



40mm

Material Stainless steel



40mm

Material Aluminum alloy



25mm

Material Brass



15mm

Material Copper



10mm

Material Carbon steel

Fiber Laser Cutting Machine DF Series

High Speed and Efficiency

- Redefine production efficiency of laser cutting machine.
- 3000W-8000W laser source can cut plates of different thickness.
- Gantry structure , high rigidity aluminium alloy beam and exchange table.
- SIEMENS CNC system and AC servo driving.
- High efficient laser cutting head , vacuum seal and stable optics.



Main technical parameters

Model	DF3015	DF4022	DF6022
Processing area (mm × mm)	3000 × 1500	4000 × 2200	6000 × 2200
X-axis stroke (mm)	3100	4064	6096
Y-axis stroke (mm)	1525	2232	2232
Z-axis stroke (mm)	140	140	140
X-axis speed (m/min)	100	100	100
Y-axis speed (m/min)	100	100	100
Machine tool acceleration (G)	2.8	2.1	2.1
Machine positioning accuracy (mm)	0.05	0.05	0.05
Repeated positioning accuracy (mm)	0.025	0.025	0.025
CNC system	SIEMENS 840D	SIEMENS 840D	SIEMENS 840D
Monitor	24" LCD	24" LCD	24" LCD
Exchange workbench	Lifting exchange	Lifting exchange	Lifting exchange
Workbench load bearing(Kg)	900	1600	2600
Laser type	Fiber or disc	Fiber or disc	Fiber or disc
Laser power(W)	3000~15000	3000~15000	3000~15000
Equipment power demand	380VAC ± 10%/50Hz~60Hz	380VAC ± 10%/50Hz~60Hz	380VAC ± 10%/50Hz~60Hz
Equipment weight (≈t)	≤13	≤16	≤20
Machine size (length × width × height / mm)	9000 × 3300 × 2200	11000 × 3800 × 2200	15000 × 3800 × 2200

Cutting sample



Thickness	25mm	16mm	12mm	10mm	8mm
Material	Carbon steel	Aluminum alloy	Brass	Stainless steel	Copper