

## CO2 Laser Marking Machine

This series mainly adopts Beijing Dawei CO2 laser, Jinhai mirror canning system, custom control software, high speed, stable performance, good laser mode, long service life, continuous work up to 30,000 hours or more, high electro-optical conversion efficiency, low power consumption. The system is simple to operate, flexible and convenient to change. All Chinese interface, can be compatible with AUTOCAD, CORELDRAW, PHOTOSHOP, CAXA and other software output files, can be barcode, two-dimensional code, graphic text and other marking, support PLT, PCX, DXF, BMP and other file formats, direct use of SHX, TTF font library. The system can automatically code, print serial number, batch number, date and soon.



## 1.1 System Technical Parameters

<b>DANA F10 Production Line Laser Marking Machine Specification</b>	
Laser-type	CO2 Wavelength: 10.6um, 30000hrs continuous working time
Laser Power Class	30W/60W/100W
Focal Length	210mm (Standard)
Maximum line marking speed	12000mm/S
<b>Marking Parameters</b>	
Marking Field	110mm×110mm; Max: 300×300mm
Marking lines	Set any line numbers within the valid marking range
Minimum Line Width	0.1mm
Production Line Speed	Depending on the coding content
Character Height	0.4-70mm
Typeface	Single line, Dot matrix, True Type
Marking Content	Text, Graphics, Barcode, Two-dimensional code, Dynamic serial number, real-time clock, TXT file, RS232 Communication data
Marking Angle	Any Angle, adjustable in 4 dimensions
<b>Operation Interface</b>	
Monitor	Industrial Touchscreen
Operating Language	Chinese, English and other Languages

## 1.2 Working Environment Requirements

Environment Requirements	
Protection Degree	≥IP54
Cooling	Air Cooling
Working Temperature	-5-45℃
Working Humidity	Relatively Wet 80% RH, Non Condensing.
Power Supply	220V,1KVA

## 1.3 CO2 Laser Marking Machine Configuration List

No.	Description	Unit	Quantity	Brand	Notes
1	Laser	piece	1	COHERENT/ DAVI	Imported from the United States/ Beijing China
2	Galvanometer	piece	1	Beijing JCZ	
3	Field Lens	Set	1	Pixel Optics	China
4	Touch Panel Computer	Set	1	DANA	Industrial Touchscreen
5	Control Software	Set	1	DANA	Self-developed by DANA, registered copyright NCAC certificate No.: Z No. 2373342
6	Controller Power	Set	1	MEAN WELL/ HENGFU	Taiwan/ Shanghai
7	Controller Case	Set	1	DANA	Stainless Steel
8	Support	Set	1	DANA	Aluminum alloy material & Customized