



DA PENG LASER TECHNOLOGY CO., LTD

Add: 1st & 2nd Floor, Block A, Fubulun Industrial Park, #78 Chaoyang Road, Baoan, Shenzhen, Guangdong, 518105-China

Tel: +86 755 36958011

Fax: +86 755 21636702

Mob: +86 183 20885639

Email:salesmail@dplasers.com

DA PENG LASER CUTTING MACHINE DPE1000-3015I

HOW LASER CUTTING WORKS

Laser cutting is a technology that uses a laser to cut materials, and is typically used for industrial manufacturing applications, but is also starting to be used by schools, small businesses, and hobbyists. Laser cutting works by directing the output of a high-power laser most commonly through optics. The laser optics and CNC (computer numerical control) are used to direct the material or the laser beam generated. A typical commercial laser for cutting materials would involve a motion control system to follow a CNC of the pattern to be cut onto the material. The focused laser beam is directed at the material, which then either melts, burns, vaporizes away, or is blown away by a jet of gas, leaving an edge with a high-quality surface finish. Industrial laser cutters are used to cut flat-sheet material as well as structural and piping materials.

DP FIBER LASER CUTTING ADVANTAGES:

- Cost saving on power consumption/ only 20-30% of co2 laser cutting machine under same power.
- Flexibility and precision cutting of simple or complex parts
- Adopts imported world brand fiber laser/Life time over 100,000hrs
- Imported servo motor and gearing system ensure precision cutting
- High quality cut with no extra finishing required
- Higher cutting speed and efficient, speed of cutting plate over 10 meters per minute
- Non contact cut which means no marks or contamination of the material
- Ability to cut virtually any sheet metal

SPECIFICATIONS:

Model	DPE700-3015I	DPE1000-3015I
Medium of laser	Semiconductor pump continuous ytterbium doped fiber	
Laser wavelength	1070nm	
Laser output power	700W	1000W
Cutting area(mm)(L×W)	3000mm×1500mm	



DAPENG LASER TECHNOLOGY CO., LTD

Add: 1st & 2nd Floor, Block A, Fubulun Industrial Park, #78 Chaoyang Road, Baoan, Shenzhen, Guangdong, 518105-China

Tel: +86 755 36958011

Fax: +86 755 21636702

Mob: +86 183 20885639

Email:salesmail@dplasers.com

Max cutting speed(m/min)	18 m/min	24 m/min
Min line width	< 0.1mm	< 0.125mm
Cutting depth(mild Steel)	0.2mm---6mm	0.2mm---12mm
Driving Way	Imported servo motor	
Tranmission Way	Y-axis imported gear rack double driver、X-axis imported gear rack	
Operational Temp Range	10 ~ 40°C	
Electrical Requirements	380V/50Hz.60Amp	
Cooling Mode	Water cooled	
Continuous working time	24 hours	
Warranty:	1 year for the machine & 2 years on laser source	
Weight	About 5500kg	
Outline size(mm)	4720mm×2720mm×1950mm (L×W×H)	

CUTTING THICKNESS REFERENCE:

4. Cutting thickness:				
Items	2000W	1000W	700W	500W
Stainless steel (N2)	8mm	5mm	4mm	3mm
Mild steel (O2)	16mm	12mm	8mm	6mm
Galvanized steel (N2)	3mm	3mm	3mm	3mm
Aluminum (O2)	5mm	3mm		
Brass (N2)	4mm	3mm		
Red copper (N2)	3mm	2mm		
Magnalium (O2)	5mm	3mm		
Electrolytic zinc-coated steel sheet (N2)	3mm	3mm		

APPLICABLE MATERIALS:

Stainless steel, carbon steel, alloy steel, silicon steel, spring steel, aluminum, aluminum alloy, galvanized sheet and other metal pipes and tubes.

APPLICABLE INDUSTRY:

It is widely applied in industrial pipeline processing, explosion-proof equipment, military industry, chemical industry, oil exploration, lamps and lanterns, metal processing, ironware, building, etc.



DAPENG LASER TECHNOLOGY CO., LTD

Add: 1st & 2nd Floor, Block A, Fubulun Industrial Park, #78 Chaoyang Road,
Baoan, Shenzhen, Guangdong, 518105-China

Tel: +86 755 36958011

Fax: +86 755 21636702

Mob: +86 183 20885639

Email:salesmail@dplasers.com

IMAGES:





DA PENG LASER TECHNOLOGY CO., LTD

Add: 1st & 2nd Floor, Block A, Fubulun Industrial Park, #78 Chaoyang Road,
Baoan, Shenzhen, Guangdong, 518105-China

Tel: +86 755 36958011

Fax: +86 755 21636702

Mob: +86 183 20885639

Email: salesmail@dplasers.com

CUTTING EXAMPLES:

CUTTING SAMPLES

