





Angel India Cad Cam Pvt. Ltd.

Laser Engraver **S400**



- 1016 x 610 x 30 mm (40 × 24 x 11 in.) extra large working area.
- 140ips high speed with DC servo motor for precise and rapid movement of the laser carriage.
- GCC Smart FLOW™k technology provides outstanding dust protection.
- GCC Smart LID™ invention makes maintenance a lot easierQSM (Quality Speed Mode) maintains 100% engraving quality while operating at maximum speed• Patented SmartACT™ motion control technology increases your productivity by reducing ramping process and job running time.
- Drag and engrave feature assures remarkably easy and fast set-ups.
- Pass-through front and rear doors to accommodate long working pieces (optional).
- COz and Fiber laser option in one laser machine.

Specification		S400			
		CO ₂		Fiber	Dual
Work Area		1016 x 610 mm (40 x 24 in.)			
Max. Part Size (L x W x H)	All doors closed	1053 x 647 x 280 mm (41.4 x 25.4 x 11 in.)			
	All door open	1053 x ∞ x 280 mm (41.4 x ∞ x 11 in.)			
Dimensions (W x D x H)		1440 x 900 x 1048 mm (56.7 x 35.5 x 41.3 in.)			
Weight	CO ₂ 30W~40W	260 kg / 573 lb			
	CO ₂ 60~100W	270 kg / 595 lb			
	Fiber 20W~60W	260 kg / 573 lb			
Laser Source		10.6-μm CO ₂ laser	9.3-μm CO ₂ laser	Fiber laser	10.6-μm CO ₂ laser: 40 to 120W 9.3-μm CO ₂ laser: 60W
		40~120W	60W	20 / 30 / 60W	Fiber laser: 20 / 30 / 60W
Cooling		Air-cooled, Operating environment temperature 15°- 30°C (59°- 86°F)			
Drive		Closed-loop DC servo control			
Maximum Motor Speed		140 IPS			
Speed Control		Adjustable from 0.1~100% (Up to 16 color-linked speed settings per job)			
Power Control		Adjustable from 0~100% (Up to 16 color-linked power settings per job)			
Engraving Capability		256-level gray scale image processing capability			
Distance Accuracy		0.254 mm or 0.1% of move, whichever is greater			
Z-Axis Movement		Automatic			
Focus Lens		CO ₂ : Standard 2.0" (Optional 1.5", 2.5" & 4.0") Fiber: Standard 2.0" (Optional 4.0") Dual (CO ₂ +Fiber): Standard 2.0" (Optional 3.0" & 4.0")			
Resolution (DPI)		Available 125, 250, 300, 380, 500, 600, 760, 1000, 1500			
Interface		10 Base-T Ethernet USB Type-A 2.0  – For USB storage (Max. 32GB capacity, FAT file system) USB Type-B 2.0  – For connecting with the computer			
Compatible Operating System		MS Windows 64 Bit			
Control Panel		Touch Screen			
Safety		Class I Laser Product Complies with EN60825-1:2014, EN ISO 13849-1:2015 Class II Laser Product Complies with CDRH for CO ₂ Laser Class 3R Laser Product Compliant with CDRH for Fiber & Dual Laser sources 2006/42/EC Machinery Directive Compliance Class 4 Laser Product Compliant with CDRH with the optional pass-through door module			
Operating Voltage		Below 80Watt, 100-240VAC, 50/60HZ Auto Switching, max. 15A 80Watt and above, 200-240VAC, 50/60HZ Auto Switching, max. 15A			
Fume Extraction System		External exhaust system with minimum flow rate 800m ³ /h (CFM 471 ft ³ /min) is required, 2.3kPA negative pressure (Pure-Air PA-1500FS @ 4" exhaust port)			