

Product Sheet

GCC S400

Category: CO2 laser

GCC's new and largest laser engraving machine, the S400

It has inherited all the advantages of the successful Spirit GLS. With a processing speed of up to 3.5 m/sec (140 ips) and powerful DC servo motors, the S400 laser increases productivity while maintaining accuracy. Perfect for engraving and cutting.

- Extremely fast processing
- Easy maintenance design
- Perfect for engraving and cutting precision



Product description

GCC LaserPro S400

GCC's new and largest laser engraving machine, S400, has inherited all the advantages of the successful Spirit GLS. It offers a speed of 140 ips (3.5 m/sec), DC servo motors, an innovative touchscreen, a user-friendly interface and a modern, stylish design. Together with SmartFLOW™ dust prevention technology and SmartLID™, the S400 delivers maximum throughput, precise laser engraving and cutting quality. GCC S400 brings all your imagination to life with incredible speed.

The intuitive 4-inch touchscreen with its user-friendly interface makes it easy to control and adjust the settings for each job.

SmartFLOW™ technology optimizes airflow and improves extraction efficiency, effectively reducing dust, smoke and odor. The SmartLID™ design provides easy access for maintenance and service, ensuring smooth operation over time.

With a processing speed of up to 3.5 m/sec (140 ips) and powerful DC servo motors, the S400 laser increases productivity while maintaining accuracy. Perfect for engraving and cutting.

Description

- Extremely fast processing: Speed up to 3.5 m/s (140 IPS) for increased productivity.
- Intuitive touchscreen: 4-inch touchscreen for easy parameter adjustment and job control.
- Efficient dust management system: SmartFLOW™ technology improves extraction and the working environment.
- Easy maintenance design: SmartLID™ provides easy access to the inside of the machine for service and cleaning.
- Perfect engraving and cutting precision: Stable DC servo motors ensure the highest quality in every job.

Technical Specification

Machine Specifications	
• Workspace	1016 x 610 mm (40" x 24")
• Maximum workpiece size	• With standard hatch: 1091 x 680 x 280 mm • With pass-through module: 1064 x 610 x 165 mm
• Machine dimensions (W x D x H)	1511 x 1107 x 1123 mm
• Weight	392 kg
• Laser sources	CO laser: 80W, 100W, 120W
• Cooling	Air-cooled, optimal operating temperature 15° - 30°C
• Drive system	DC servo motor for fast and precise movement
• Maximum engraving speed	3.5 m/s (140 IPS)
• Speed control	Adjustable 0.1 - 100%, up to 16 colour-linked settings per job
• Power control	Adjustable 0 - 100%, up to 16 colour-linked settings per job
• Engraving capacity	256-level greyscale imaging for detailed engraving
• Z-axis movement	Automatic
• Focus lenses	Standard 2.0", selectable options: 1.5", 2.5", 3.0" and 4.0"
• Resolution (DPI)	125, 250, 300, 380, 500, 600, 760, 1000, 1500
• Interface	• 10 Base-T Ethernet • USB Type A 2.0 (for storage, max 32GB, FAT file format) • USB Type B 2.0 (for connection to computer)
• Compatible operating system	Microsoft Windows
• Control panel	4-inch touchscreen with physical buttons for easy operation
• Security	• Laser class 1 (EN60825-1:2014, EN ISO 13849-1:2023) • Laser class 2 (CDRH) for CO laser • Machinery Directive 2006/42/EC • Laser class 4 (CDRH) for pass-through module
• Operating voltage	80W and higher: 200-240VAC, 50/60Hz, automatic switching, max 15A
• Extraction system	• External exhaust system required, minimum capacity 800m³/h (471 CFM) • Requires 2.3 kPa negative pressure • Exhaust ports: Upper: 101 mm (4"), Lower: 127 mm (5")