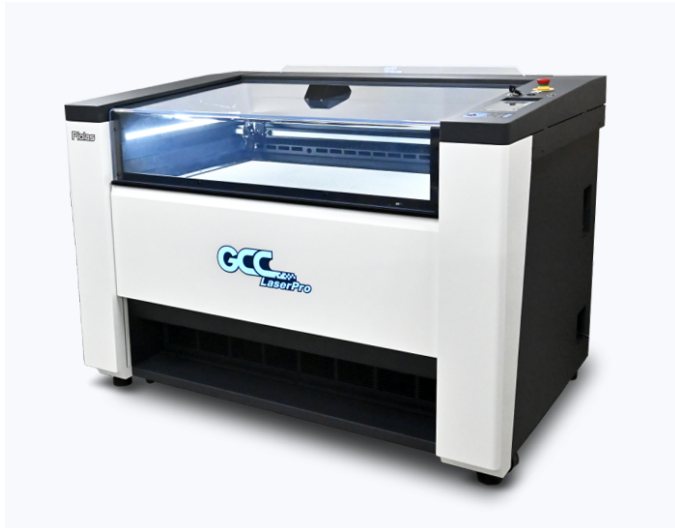




Product Sheet

GCC Piolas 400

Category: CO2 laser

Piolas 400 – Maximum speed meets smart technology

The GCC LaserPro Piolas 400 takes laser engraving to the next level with impressive speed, flexible laser configuration and smart features that simplify every step of the process. The ergonomic design, touch screen and real-time camera give you full control and make the machine just as effective in production as in training environments. A groundbreaking solution for demanding users.

- Extremely fast processing
- User-friendly
- High precision

Product description

GCC LaserPro Piolas 400 – Speed, precision and innovation

High-speed engraving in a class of its own!

GCC LaserPro Piolas 400 is a newly developed high-performance laser machine based on Spirit Hybrid technology, but designed for maximum speed and efficiency. With an impressive processing speed of up to 445 mm/s (175 IPS), driven by a DC servo motor, the Piolas 400 offers an extremely fast and accurate engraving process.

The machine can be configured with CO₂, fibre laser or both in a hybrid solution, providing the flexibility to process a wide range of materials. Its SmartFlow technology minimises dust, while the Smart ID system ensures smooth access and safe use.

With a modern and ergonomic design, the Piolas 400 fits perfectly into any work environment. It is equipped with a 7-inch touch screen and an intuitive interface, making it easy to use for both beginners and experts. The transparent cover provides full visibility during operation, while the built-in live-view camera allows you to monitor the process in real time – a perfect solution for educational environments as well.

With the GCC LaserPro Piolas 400, you get a fast, accurate and user-friendly laser machine that takes your production to a new level!

Description

- Extremely fast processing – Engraving speed up to 4 m/s (175 IPS) for efficient production.
- Flexible laser technology – Choose between CO₂, fibre laser or hybrid solution depending on your needs.
- Advanced user-friendliness – 7-inch touch screen, Smart ID system and live-view camera for easy monitoring.
- Smart dust management – SmartFlow technology reduces dust and optimises the working environment.
- Innovative design – Transparent cover and status indicator lights for better control and smooth operation.

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 • Hybrid solution: Option to combine CO and fibre lasers
• Cooling	Air-cooled, optimal operating temperature 15° - 30°C
• Drive system	AC servo motor for fast and precise movement
• Maximum engraving speed	4.44 m/s (175 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	7-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 extraction system required, minimum capacity 800m³/h (471 CFM) • Requires 2.3 kPa negative pressure
• Extraction ports	• Upper port: 101 mm (4") • Lower port: 127 mm (5")