



Product Sheet

GCC Mercury III

Category: CO2 laser

Mercury III – Compact powerhouse for professional laser engraving

The GCC Mercury III combines high performance with easy handling in a compact format. With features such as autofocus, Smart CENTER and servo control, you get a laser machine that delivers sharp results – quickly and accurately. Perfect for those who want to maximise capacity without compromising on quality or user-friendliness.

- High working speed
- Autofocus
- Openable front and rear doors

Product description

GCC Mercury III – High-performance and user-friendly CO laser machine

Maximum performance in a compact and efficient design!

GCC Mercury III is the latest model in the renowned Mercury series, known for its robust and reliable construction. This CO laser machine is designed to deliver engraving and cutting in a wide range of materials, including acrylic, wood, plastic, paper, leather and glass.

With upgraded safety features, an intuitive control panel and the innovative Smart CENTER function, the Mercury III offers unbeatable user-friendliness. It is equipped with a closed DC servo motor for precise movement of the laser head, ensuring that every engraving is sharp and accurate. In addition, the openable front and rear doors allow larger workpieces to pass through, making the machine even more flexible.

The Mercury III is a reliable and cost-effective investment that will help you optimise your production!

Description

- Autofocus – Makes settings easier and ensures perfect engraving depth.
- Smart CENTER function – Facilitates quick and accurate placement of designs.
- Closed DC servo motor – Provides stable and precise movement of the laser head for sharp details.
- Openable front and rear doors – Enables processing of larger workpieces and increased flexibility.

Technical Specification

Machine Specifications	
• Workspace	635 x 458 mm (25" x 18")
• Maximum workpiece size	• With doors closed: 736 x 482 x 165 mm • With doors open: 736 x 482 mm
• Machine dimensions (W x D x H)	1025 x 720 x 992 mm
• Laser sources	CO lasers with outputs ranging from 12W to 60W
• Cooling	Air-cooled, optimal operating temperature 15° - 30°C
• Drive system	Closed DC servo motor for precise control and smooth movement
• Maximum engraving speed	Up to 1 m/s (42 IPS)
• Speed control	Adjustable 0-100% (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 high detail
• Autofocus	Automatic focusing for easy and accurate engraving setup
• Z-axis movement	Automatic
• Camera functions	Smart CENTER for fast and accurate positioning of designs
• Focus lenses	Standard 2.0", optional alternatives: 1.5" 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	User-friendly LCD panel
Safety features	• Key switch for improved safety • Laser class 1 (EN60825) • Laser class 2 (CDRH) • Machinery Directive 2006/42/EC
Operating voltage	100-240VAC, 50-60Hz, automatic switching
Extraction system	• External extraction system required, minimum capacity 510m³/h (300 cfm) • Requires 2.3 kPa negative pressure