

## Product Sheet

### GCC LaserPro C180

**Category: CO2 laser**

**Small in size – big in performance!**

The GCC C180 II is a reliable, flexible and easy-to-use engraving laser, perfect for businesses, schools and workshops where space is limited but quality requirements are high. With the GCC C180 II, you get a compact and powerful laser machine that combines precision, flexibility and ease of use – perfect for professional engraving even where space is limited!

- Simple and flexible handling
- Smart autofocus – SmartPIN™
- Efficient extraction system

## Product description

### GCC C180 II – Compact, powerful and versatile CO laser machine

The GCC C180 II is a reliable, flexible and easy-to-use engraving laser, perfect for businesses, schools and workshops where space is limited but quality requirements are high. Despite its compact design, it is packed with advanced features, making it one of the most versatile small laser machines on the market.

The intuitive control panel with user-friendly menu and shortcut keys makes it easy to operate the machine and monitor job status in real time. With SmartPIN™ autofocus, a patented plug-and-play feature, you can automatically set the correct focus with a simple push of a button – perfect even when engraving on transparent materials.

To ensure maximum reliability and a clean working environment, the C180 II has a dust-protected work table and a smart vacuum-adjusted extraction system, where you can choose between top and bottom extraction for optimal dust and smoke management.

C180 II is equipped with the latest technology and integrated extraction under the worktable. In addition, you can customise the laser power to suit your needs with options of 12W, 30W or 40W, making it ideal for everything from fine engraving to more powerful cutting jobs.

With the GCC C180 II, you get a compact and powerful laser machine that combines precision, flexibility and ease of use – perfect for professional engraving even where space is limited!

### Description

- Simple and convenient operation – Intuitive control panel with quick buttons and job status display.
- Smart autofocus – SmartPIN™ technology for fast and accurate focusing at the touch of a button.
- Efficient extraction system – Dust-protected work table and smart vacuum adjustment for optimal extraction management.
- Select laser power – Choose between 12W, 30W or 40W to match your production needs.
- High precision and versatility – Perfect for engraving and cutting acrylic, wood, plastic, paper, leather and glass.

## Technical Specification

| Machine Specifications           |                                                                                                                                                                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • Workspace                      | 458 x 305 mm (18" x 12")                                                                                                                                                                                                                         |
| • Maximum workpiece size         | <ul style="list-style-type: none"> <li>• With doors closed: 508 x 337 x 165 mm</li> <li>• With doors open: 508 x 337 mm</li> </ul>                                                                                                               |
| • Machine dimensions (W x D x H) | 810 x 610 x 405 mm                                                                                                                                                                                                                               |
| • Laser sources                  | CO laser with selectable power of 12W, 30W or 40W                                                                                                                                                                                                |
| • Cooling                        | Air-cooled, optimal operating temperature 15° - 30°C                                                                                                                                                                                             |
| • Drive system                   | Closed DC servo motor for precise control and smooth movement                                                                                                                                                                                    |
| • Maximum engraving speed        | 762 mm/s (30 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                      | SmartPIN™ technology for automatic and accurate focusing                                                                                                                                                                                         |
| • 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                      | <ul style="list-style-type: none"> <li>• 10 Base-T Ethernet</li> <li>• USB Type A 2.0 (for storage, max 32GB, FAT file format)</li> <li>• USB Type B 2.0 (for connection to computer)</li> </ul>                                                 |
| • Compatible operating system    | Microsoft Windows                                                                                                                                                                                                                                |
| • Control panel                  | User-friendly LCD panel with quick-access buttons                                                                                                                                                                                                |
| • Safety features                | <ul style="list-style-type: none"> <li>• Laser class 1 (EN60825)</li> <li>• Laser class 2 (CDRH)</li> <li>• Machinery Directive 2006/42/EC</li> </ul>                                                                                            |
| • Operating voltage              | 100-240VAC, 50-60Hz, automatic switching                                                                                                                                                                                                         |
| • Extraction system              | <ul style="list-style-type: none"> <li>• Dust-protected work table with adjustable vacuum extraction</li> <li>• External extraction system required, minimum capacity 510m³/h (300 cfm)</li> <li>• Requires 2.3 kPa negative pressure</li> </ul> |