

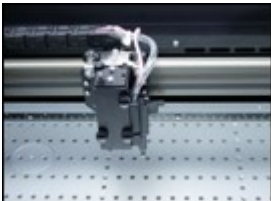


The C180 is designed to provide an enjoyable engraving experience. Underneath the stylish exterior is a full 18" x 12" (458 x 309 mm) working area. Engraving depth can be easily extended from the normal 4 to 6 inches in less than a minute. The C180 is an all purpose laser engraving system that delivers spectacular engraving and cutting results and makes every job a pleasant working experience.

Features:



RoHS Compliance: As a market leader and an environment-friendly product manufacturer, GCC is committed to make all-out efforts to preserve the global environment. Our products are compliant with the European Parliament Directive 2002/95/EC, Restriction of Hazardous Substances(RoHS).



Closed-loop DC Servo Motor and Reliable Motion System

The C180 utilizes high performance Closed-loop DC servo motors for precise and fast carriage movement combined with a reliable motion system to produce exceptionally accurate outputs



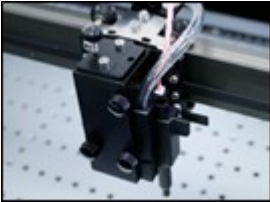
Open Front Door Design

The top cover coupled with the front door open design allows easy loading of working pieces.



TrueImage

Patented TrueImage feature presents image engravings in its most vivid form by employing a uniquely designed laser firing algorithm.



Drag-N-Engrave

The "Drag-N-Engrave" feature greatly reduces the complex set up procedures and allows the users to directly drag the lens carriage to the starting point of a job.



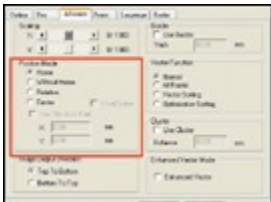
Simple and Intuitive Control Panel

A user-friendly menu-driven interface system simplifies operation. Hot keys design and job status display facilitates your work and makes it clear and easy to carry out.



SmartPINTM Auto Focus

The plug and play probe design makes focusing a one-touch process and provides the accuracy and precision required for optimum quality in the lasering process.



Programmable Origin Modes

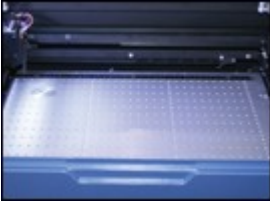
Easy to use position modes allow the operator an effortless way to setup a job. Repetitive workflows can be drastically simplified by relocating the origin position to any desired location.



Internal LED Lighting

Internal LED lighting illuminates the working space giving a clear view of the work in progress.

*Available on full version only.



Built-in SmartBox™

The built-in SmartBox™ feature produces a downward pulling force to keep light items in place creating a stable working environment.

*Available on full version only.

Specification

C180	
Work Area	18 in. x12 in. (458 mm x 309 mm)
Max. Part Size (W xL x H)	18 in. x 12 in. x 6 in. (505 mm x 309 mm x170 mm)
Table Size	20.5 in. x14.8 in. (520 mm x 375 mm)
Dimensions (W xL x H)	28.3 in. x 25.2 in. x 14.8 in. (720 mm x 640 mm x 385 mm)
Laser Source	12 to 40 Watt Sealed CO2 Laser
Cooling	Air-cooled, Operating environment temperature 15°-30°C (60°-86°F)
Drive	Closed-loop DC Servo Control
Throughput*	206.16 in ² / hr (1330 cm ² / hr)
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)
Distance Accuracy	0.254mm or 0.1 % of move, whichever is greater

Z-Axis Movement	Automatic
Focus Lens	Standard 2.0", optional 1.5" available
Resolution (DPI)	Available 125, 250, 300, 500, 600,760, 1000
Computer Interface	Standard printer port and USB port
Memory Buffer	32 MB standard (Upgradeable to 64 MB)
Display Panel	4-line LCD panel showing current file name, total working time, laser power, engraving speed, file(s) loaded into memory buffer, setup and diagnostic menus.
Safety	Class 3R for red pointer
Facility Requirements	
Electrical	100V-240 Volt AC Auto Switching
Power Consumption	900W-1320W
Air Exhaust System	External exhaust system required , one 2" connection on the back of the machine