GCC E200S Desktop Laser Engraver
# So Simple, So Professional

# SOURCE OF DIGITAL SOLUTIONS

Welcome to Digital Star, your trusted partner in the world of cutting-edge printing solutions. As a leading printing machines, materials, and ink authorized dealer in Riyadh – Saudi Arabia (KSA), we pride ourselves on delivering state-of-the-art technology that empowers to achieve unparalleled levels of efficiency and quality.

At Digital Star, we understand the pivotal role that printing machinery plays in the success of your operations. With a commitment to innovation and excellence, we curate a diverse range of top-tier printing machines to meet the unique needs of our clients. Our product line-up reflects the latest advancements in the industry.

As a responsible printing machines supplier, we prioritize sustainability. Our commitment to eco-friendly practices is reflected in the products we offer, promoting energy efficiency and environmentally conscious manufacturing processes. When you choose Digital Star, you're not just investing in cutting-edge technology – you're partnering with a company that values the planet as much as your success.

**ABOUT US**

## E200S CO2
### Desktop Laser Engraver
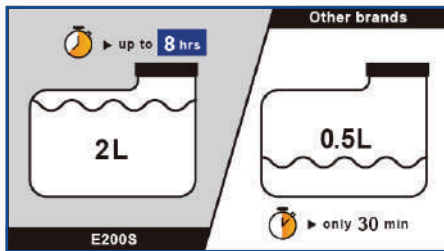
**PRODUCT OVERVIEW**
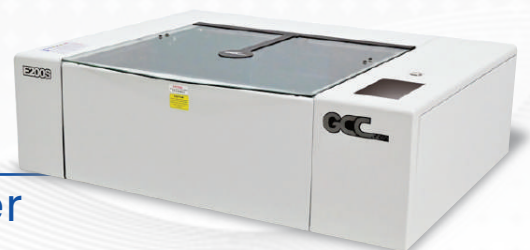
# Desktop Laser Engraver
# E200S 40W CO2

E200S co2 desktop laser engraver provides an easy operating workflow and is able to complete different processing procedures quickly, containing various advanced functions with stable quality and excellent safety featur

## Continuously 8 hours working

E-200S comes with a external water chiller with larger water tank for heat circulation to ensure machine efficiency and work for long hours; while other brands cannot achieve. (optional larger water chiller is available for more than 8 hours continuous work and stable power output)

## Multiple Connections

E-200S has 3 connection methods to communicate between the PC and machine. Users can connect the machine via Wi-Fi, Ethernet, and USB cable. It is handy and convenient. For some other brands machines, they only offer cloud-based software which cannot be used when the internet is down.
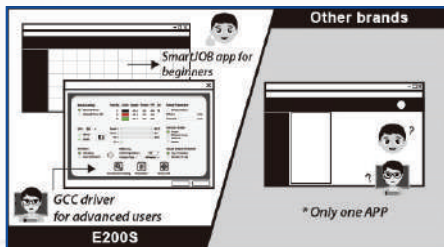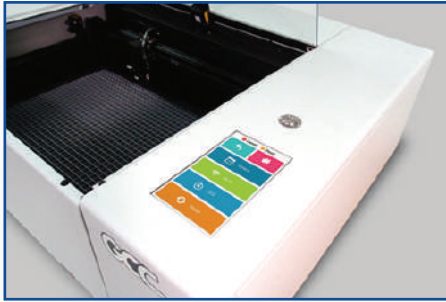
## Simple and professional UI Interface

Multifunction user interface for both beginners and advance users. GCC is the only company who provide professional function for advanced users.

## LIVE CAMERA PREVIEW

E-200S on board camera allows you to preview your design to make positioning simple and easy.

### 7" Color Touch Panel

E-200S comes with standard 7" touch panel that makes operation easy and accessible for more controls; while most of other brands has only one control button which is hard to detect error massage by self-diagonization process
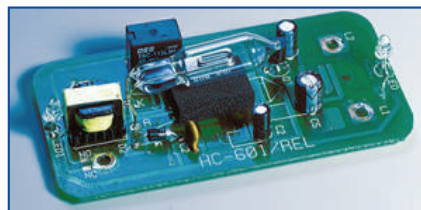
### Standard Water Chiller Allows For High Production

E200 desktop laser engraver comes with a standard water chiller to ensure machine efficiency.

### Stamp Mode With Shoulder Level Function

E200 desktop laser engraver stamp mode with shoulder level function enables you to produce a professional stamp easily.

### Triple safety measures

E-200S is made by metal chassis with glass top cover window, the fire resistance level is the highest among all competition products. It has equipped with a built-in quick start/stop button enabling users to switch off laser power to prevent fire from spreading. FIRE ALARM SYSTEM **(OPTIONAL)** is an extra warning system to actively detect fire in the early stage to pre-alert users.

**OPTIONAL ITEMS**

### Rotary Attachment & Blue Laser (Optional)

E-200S has an optional rotary attachment, which offers more possibilities for cylindrical objects' marking. However, rivalry products have a short z-axis depth, making it impossible to accommodate the rotary attachment. Blue laser can mark on various materials including metal, plastic and laser hot foil for laser bonding.

### Air Compressor

A specially designed Air Compressor, by using an oil-less diaphragm, you help eliminate the harmful and damaging side effects of moisture on the laser optics. Also, provides the optimal air pressure your laser needs to blow away vaporized particles & helps prevents overheating. A must to keep lenses and mirrors clean to promote longer laser life.

### Fume Extraction System

CE-certified fume extraction systems, are designed to remove the hazardous fumes and dusts during laser processing to protect the health of operators, eliminate environmental pollution and enhance the laser cutting.

**PRODUCT SAMPLES**

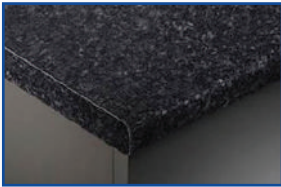
MDF


WOOD CUTTING


TILE


LEATHER
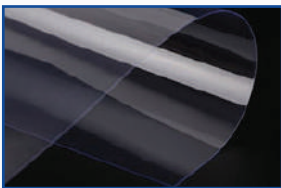

ACRYLIC


TEXTILE/ APPAREL

**MATERIALS LIST**

| E200S DESKTOP LASER ENGRAVER LASERABLE MATERIALS LIST | | | |
|---|---|---|---|
| MATERIALS | ENGRAVING | CUTTING | REMARKS |
| Acrylic | ✅ | ✅ | 10mm |
| Wood | ✅ | ✅ | 10mm |
| MDF | ✅ | ✅ | 3mm |
| Cork | ✅ | ✅ | |
| Cardboard | ✅ | ✅ | |
| Paper | ✅ | ✅ | Paper engraving effect depends on paper color |
| Rubber | ✅ | ✅ | 2mm |
| Glass | ✅ | ❌ | |

| | Material | | | |
|---|---|---|---|---|
|  | Tile | ✅ | ❌ | |
|  | Marble / Granite | ✅ | ❌ | |
|  | Leather | ✅ | ✅ | |
|  | Food | ✅ | ✅ | |
|  | Plastic(PET) | ✅ | ✅ | |
|  | Textile | ✅ | ✅ | |

# E200S CO2
## Desktop Laser Engraver
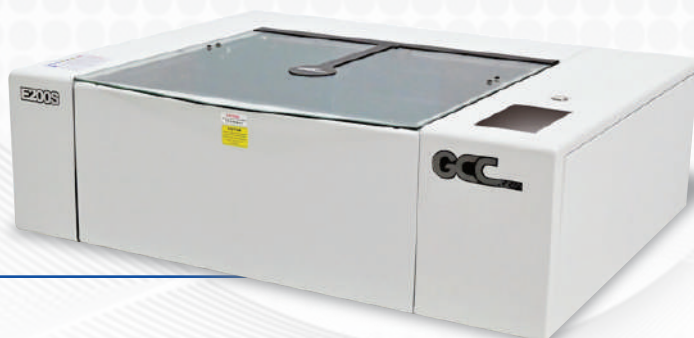
## MODEL: GCC E200S CO2

**OPTIONAL ITEMS**

| | |
|---|---|
| Laser Source | 40W Sealed CO2 Laser |
| Work Area | 510 x 330 mm (20 x 12.9 in.) |
| Maximum Part Size | 520 W x 340 L x 20 H mm (with grid cutting table) |
| | 505 W x 340 L x 76 H mm (remove grid cutting table) |
| CCD Camera | Standard, accurate within 4mm (0.16 in.) |
| Working table | Standard grid cutting table |
| Dimensions | 915 x 780 x 300 mm (36 x 30.7 x 11.8 in. ) |
| Laser Wattage | DC driven glass laser tube: 40W |
| Laser Source | Sealed CO2 laser |
| Drive | Closed-loop DC Servo Control |
| Maximum Speed | 20 IPS |
| Cutting Thickness | 10mm (Maximum) |
| Speed Control | Adjustable from 0.1~100% (Up to 5 color-linked speed settings per job) |
| Power Control | Adjustable from 0~100% (Up to 5 color-linked power settings per job) |
| DPI | Available 250,380,500,760,1000 |
| Focus Lens | Standard 1.5" |
| Computer interface | Full-speed USB 2.0 port, 10 Base-T Ethernet |
| Operating systems | MS Windows |
| Control Panel | 7"touch screen |
| Connection | WiFi, Ethernet, USB |
| Water Chiller | Standard |
| Safety | Class I Laser Product Complies with EN60825-1 |
| | Class II Laser Product Complies with CDRH |
| | Class IV Laser Product Complies with Blue Laser (Option) |
| Blue Laser | 10W  450nm(option) |

| FACILITY REQUIREMENTS | |
|---|---|
| Electrical | 100-240VAC, 50-60Hz Auto Switching, Max. 15A |
| Air Exhaust System | External exhaust system with minimum flow rate 300 m³/h (10594 ft3/min) is required, 2,500PA negative pressure (Pure-Air PA-300 @ 4" exhaust port) |

*Speed is not equal throughput. Specifications are subject to change without prior notice.

*The flow rate is determined by a default fume extraction system; the flow rate may vary due to a different fume extraction system

## SYSTEM REQUIREMENTS (PC's)

Refer to the appropriate section below for the minimum and recommended computer system requirements necessary to use this printer.

| Operating System* | Windows 10 (64 Bit) or Later |
|---|---|
| Processor | i7 - 2.6 GHz or faster |
| Memory (RAM) | Min. 8GB or More |
| Video Card and Monitor(VGA) | 1280x1024 or Higher Resolution is Recommended |
| Working Hard Disk Space | 1 TB SSD or more recommended |
| Graphics Card | 2GB or more (Optional) |
| Optical drive | DVD-ROM |
| Other requirements | Ethernet connection for network capable printers |
| | Available USB ports and PCIE Slot |
| Recommended Brand | Lenovo / Dell |

* Note: You can use a laptop or desktop computer

* Use the original operating system and software. If you are using pirated operating system or software, we are not responsible for any damage to Machine workings, and also the warranty terms will become void.

## POWER REQUIREMENTS (PC's)

| Voltage Regulator | 5000W Stabilizer |
|---|---|

## OTHER REQUIREMENTS (PC's)

| Coolant | 10L Distlled Water (For Chiller) |
|---|---|

## TERMS AND CONDITIONS

01. Payment to be made in SAR currency.

02. Payment Terms : As mentioned in Quotation.

03. Bank Charges: Any bank charges relevant to the above transactions will be to your account.

04. Any charges, duties, taxes or levies at the ports of entry will be to our account.

05. The charges of loading, boarding and local conveyance of the technician will be to our account.

06. Any required electrical, mechanical and civil site preparation should be done by the customer according to our engineer's requirements.

07. Digital Star Machinery and Equipments will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents & any related reasons, which is beyond our control.

08. Warranty will be 12 months from the date of installation from Digital Star Machinery and Equipments. Wear and tear, consumables are exempted and warranty can be claimed only if you use the Inks & Services from Digital Star Machinery and Equipments.

09. Service will be free of cost within 12 months from the date of installation.

10. Any claim will be invoice directly to you then we will send for claiming procedure which will take 45-60 days, if the claim got approved credit note will issued directly.

11. Delivery: As mentioned in quotation