Split-Type Co2 Laser Marking Machine
Model: EtchON CLM203
HSN Code: 84561000

Connect : +91-7770019657, 59, 9923638463

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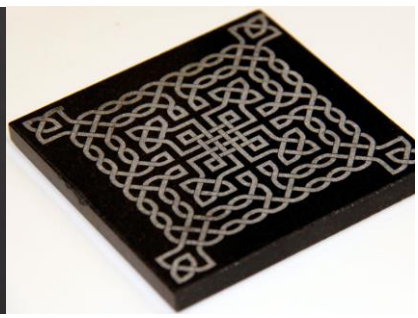
Type: Co2 Laser

Samples



Features of the Machine

- Industrial laser engraving is rapidly growing industry in the world. Particularly because there is virtually no limit to the number of materials that can engraved whether you are using metal or non-metal. The operation is simple, lifelong maintenance – free, and the failure rate of the optical fiber marking is low.
- EtchON CLM203, is an Export series Split-type type Co2 laser marking machine with 30W Laser source and can be upgraded to 40W and 60W as per the requirement.
- Co2 Non-metal laser marking, and engraving machine is a gas laser machine whose frequency band wavelength of infrared light is 1060um and widely used for marking and engraving on Non-metals.
- Broadly used to mark letters, figures, graphics or auto-coding, serial nos., batch nos., barcodes, 2D codes, etc.
- Precise scanning system- High speed scanning system has been used in the system to get high speed, high precision, and stable performance. The laser head is sealed so as to prevent the optical chamber from Contamination.
- Precision Field Mirror Stable Performance: Good light perception, good beam quality, improve the edge of the light beam incident on the detector's ability, excellent focalization performance and low loss.
- Professional Laser marking software with a user-friendly interface and the controls that allows the connection to multiple laser systems with One Computer or with an option of standalone system that is with inbuilt processor, need to attach screen, keyboard and mouse.
- Dust and Oil resistant IP65 Switches and Connectors are used
- Column with Manual up and down up to 500mm where 300 mm is workable travel.
- Adopt air cooling method, without any consumables. Built-in air-cooling system.

Laser Machine Delivery Package

- Portable Controller
- Column mounted on the Bed with motorized up and down.
- Laser beam isolator mounted on the column beam.
- Foot Switch.
- Power Data Cable.
- Driver CD with e-Manual
- Desktop PC Set or 10" Inbuilt Software Touch screen with wireless keyboard and mouse (EzCAD Main Board)

Packaging Details

- Machine Actual Size (L*B*H) cm: 80*65*150
- Machine Actual Weight (kg): 120.00
- Box Packaging Size (L*B*H):
- Gross Weight (kg): 150.00

Works :- Sector A-71, Five Star MIDC, Shendra, Aurangabad - 431007, Maharashtra, India. Connect:+91-7770019663/65/60/57/59/58,9923638463

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Laser Specifications	
Model	**: EtchON CLM203**
Type of Model	: Split-Type Co2 Laser Marking Machine
Standard Marking Area	: 110 mm x 110 mm (Optional 150x150, 200 x200, 250x250, 300x300)
Laser Source	: EtchON/DAVI
Nominal Average Output Power	: 30W (Optional 40W/60W)
Central Emission Wavelength	: 1060-1070 nm
Repetition Frequency	: 20-80 kHz
Marking Style	: 2D/3D
Marking Linear Depth	: <3 mm
Min Spot Diameter	: 0.02 mm
Min Character Size	: 0.8 mm
Repetition accuracy	: ±0.001 mm
Max Linear Marking Speed	: 0-7000 mm/s
Electrical Requirement	: AC220 ± 10%, 50Hz, 10 Amp
Cooling Method	: Air Cooled
Operational Temperature Range	: 10-40 ± °C
Continuous Working Time	: 12 Hours

Laser Machine Spares	
Parts	**Make / Specification**
Laser Source	EMC/DAVI
Galvo Head	EMC/Sino-Galvo
Galvo Lens (F-Theta Lens)	Imported Germany JGS1, ZnSe
Control System / Software	EZCAD Lite (PC based or Standalone Touch screen)
Red Light Focus	Inbuilt in Source / Separate Combiner
Red Light Indicator	Inbuilt in Galvo Head
Column Type	Manual up and down 500mm
Switches / Control Buttons	IP65 Switches
Laser Power Supply	All in one / Hengfu
Scan Head Power Supply	All in One / Hengfu
Control Card Power Supply	All in One / Meanwell
Computer System	Desktop PC Set or 10” Inbuilt Software Touch screen with wireless keyboard and mouse (EzCAD Main Board)

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Software Features: EZCAD (PC based & Touch Screen)	
• True Type / Single Stroke Fonts	• Elliptical Fonts
• Fixed Data (Text) Marking Automatic Serial Numbers	• Marking Automatic Serial Numbers
• Barcodes / QR Code / Data Matrix 2D Code	• Logo / Graphics /Text
• Photo Quality Images – JPG /TIF /GIF	• CAD Files
• Auto Shift / Auto Date Marking /Auto Time Marking	• TCP/IP communication**
• Serial Communication PLC Support**	• Data Input from external file for marking
• Supports SQL database	• Supports Rotary Marking
• Mark on Fly high speed marking **	• Stable Software
• Powerful IO control function	• Supports multiple boards controller by one PC

**** Upgrade in main board required**

Application Material		
• Paper	• Wood	• Leather
• Cloth	• Plexiglass epoxy	• Acrylic
• Plastic Bottle	• Unsaturated polyester	• Many more Non-metals

Fiber Laser Machine Upgrade Accessories

*Upgrade Enclosures Body for EtchON 401D Optional

F-CB DT EL EI08

* Upgrade of Source for all models Optional

Upgrade to 40W	Upgrade to 60W
ETCHON F-UPG LS30	**ETCHON F-UPG LS50**

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*Upgrade of Working Area

Upgrade to 200 x 200mm Working	Upgrade to 250 x 250mm Working	Upgrade to 300 x 300mm Working	Upgrade to Step Motorized Up and Down Column (500,600 & 800mm)	Upgrade to Gear Motorized Up and Down Column (500,600 & 800mm)
ETCHON F-UPG FT20 Upgrade to 600 mm Manual Column	ETCHON F-UPG FT25 Upgrade to 800 mm Manual Column	ETCHON F-UPG FT30 Upgrade to 800 mm Manual Column	ETCHON F-UPG CLM50/ 60/ 80	ETCHON F-UPG CLM50/60/80
ETCHON F-UPG CLM60	ETCHON F-UPG CLM80	ETCHON F-UPG CLM80		

*Upgrade of Rotary Horizontal and Vertical Indexing Unit

Upgrade to Rotary Fixture	Upgrade to Rotary Fixture	Upgrade to 360 Degree Horizontal Indexing
ETCHON F-UPG RF	ETCHON F-UPG RF	ETCHON F-UPG RF360H

*Upgrade of Accessories

UPS 1000VA (75 Mins Backup)	PANEL AC	Vacuum Unit with Arm
ETCHON F- UPS 1KVA	ETCHON F-PAC 600	ETCHON F-VACCUM

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Why to Choose EtchON Machines?

- EtchON Marks Control, we are specialised in manufacturing and integration of types of marking systems and its having manufacturing base at Aurangabad, Maharashtra
- Our products are not only Co2 Laser Engraving Machines, but Fiber Laser Marking Machine, UV laser Marking Machine, Dot pin Marking Machine, Electro-Chemical Metal Etching Machine and its allied automations. We have installed more then 3000 machines in India and exported our products to around 60 countries.
- We provide innovate technological solutions to a wide range of customers in the fields of marking and engraving processes with the help of our team of qualified experts in mechanics, automation and instrumentation systems.
- We are highly experienced in the industry, and the sole goal of our experience staff is to identify challenges in order to offer clients innovative solutions that will yield substantial saving and improve their productivity.
- With the help of our product you can increase your efficiency by introducing a strategic production unit within your companies or by designing an overall plan to improve productivity.
- By working closely with clients' existing staff, we are able to implement solutions to meet specific needs and make a positive impact on production and quality.
- Our mission is to work alongside clients to develop efficient and affordable solutions to meet the most stringent requirements, constantly striving to keep our knowledge up to date in a world where technology is always evolving.
- We are the member of FIEO (Federation of Indian Export Organisations), EEPC (Engineering Export Promotion Council of India) and MASSIA (Manufacturing Association of Small Scale Industries Aurangabad) and feathered with Industry Excellence Award, Iconic Brand of the Year, Best Pavilion ITF Bangkok, Iconic Brand of the Year, Best Employer Award, Best MSME and Innovative Business Award.

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