

World Class



Marking Machines

THINK
MARKING
THINK
EtchON

Fiber / UV / Co2 Laser



Marking Machines

Dot Pin Marking Machines



Electrolytic Metal



Etching Machines



Laser Welding Machines



EtchON Auto Optoelectronics Pvt. Ltd.
EtchON Marks CONTROL



We are at EtchON,

In the past few years, share of industrial sector in the Government revenue has increased to a large extent. Government also acknowledges this fact. Through various industrial policies, they are also trying to improve & expand this commercial world. Quick industrialisation in recent years has brought about many changes in the techniques of production, marketing activities, communication skills and other related areas. Quantities of industries have also increase in this period

Etching, marking and engraving are an important part of product promotion for manufacturers; they are done to not only imprint, but also carry forward the message and information of a company. As a tool for customer reference, marking processes are accomplished with the help of advanced machines for effective results. In this regard, the name of EtchON Marks Control comes first, for its

EtchON® Fiber Laser Marking Machines (FLE)
EtchON® UV Laser Marking Machines (ULM)
EtchON® Co2 Laser Marking Machines (CLM)
EtchON® Dot Pin Markers (DPM)
EtchON® Electrolytic Metal Etching Machines (ME)
EtchON® Laser Fiber Continuous Welding Machines (FLW)
EtchON® Laser Spot Welding Machines (SPW)
EtchON® Fume Extractor (FE)

all its spares and allied automation products have been in great demand since its inception. our company has been scaling new heights of success in the domain of Marking equipment's. We have achieved expertise in the manufacturing of State-of-Art Marking Machines. We are counted among the dominant Dot Pin Marking, Laser Marking / Engraving machines and Electro-chemical etching machines manufacture in Domestic as well as International market. Our services and commitments to our customers will remain as dedicated as ever, and we will endeavor to supply all our marking & etching consumables to the highest possible standards with a fast reliable Global Service. True to the spirit of the company our products like marking instrument reflect the same level of quality and standard.

EtchON delivers on its commitments. The people of EtchON pride themselves in efficiently delivering product to our customers, on-time, every time, bar none. We are driven to meet and exceed our customer's expectations before and after the sale. We are so confident in our process, we guarantee that our product and services are of the highest consistency of quality and our customer will be completely satisfied, no matter what.

EtchON is one of manufacturing OEM partners in the World. We have been working directly since 2010 and have developed a solid relationship in the market within a very short span of time. Our systems and supplies are in use all over the world from **Canada to South America**, and from **Europe to Asia**. Even we export to **Russia & China** also. We have also sold our machines to our prestigious Indian government organization like "Hindustan Aeronautics, Sukhoi Engine Division, Koraput, Orissa", "Nuclear Fuel Complex (NFC), Hyderabad, AP and BHEL, Haridwar in India, we have also supplied to "Pratt & Whitney, Canada", who manufactures jet engines to USA Government.

Nation and International Clients



EtchON Fiber Laser Marking Machines (FLE)

INDUSTRIAL LASER engraving is rapidly growing industry in the world. Particularly because there is virtually no limit in the number of material that can be engraved whether you are using metal like SS, MS, Brass or Copper or non metal like plastic, ABS, Silicon, Ceramics, Rubber, Epoxy Resin, clock, plating or coated etc. Widely used in parts and components, electrical appliances, telecom products, mobiles accessories, cutting tools, instruments, plastic case, automotive parts, sanitary tools, surgical instruments, aviation, aerospace and military products, light housings etc, increasingly looking for laser engraving solutions. Fiber Laser machines are available in different version as per requirement like 20W/30W or 50W with 100mm to 400mm working area.

Samples



FLE Models



EtchON FLE401
Desktop Fiber LASER Machine



EtchON FLE402
Tabletop (Integrated Controller)
Fiber LASER Machine



EtchON FLE403
(Split Controller)
Fiber LASER Machine



EtchON FLE404 Tabletop
(Fixed Beam path Integrated Controller)
Fiber LASER Machine



EtchON FLE406
(Hand-Held Portable)
Fiber LASER Machine



EtchON FLE407
Fly-Mark (Conveyor)
Fiber LASER Machine



EtchON FLE Automation
& Fixtures

FLE Spares



Fiber LASER SOURCE



SCAN HEAD-GALVO



SCAN LENS



MAIN BOARD



MOTORISED COLUMN

EtchON Co2 Laser Engraving Machines (CLM)

Industrial laser marking is rapidly growing industry in World. Particularly because there is virtually no limit to the number of materials that can be marked by laser equipment whether you are laser marking on glass, plastic, leather, wood, acrylic, bamboo and many more. The automotive, medical, gifts, carving items, signage industries, glass, consumer, and a range of other industries are increasingly looking for laser marking machines.

EtchON is a leading domestic and international provider of advanced Co2 Laser Engravers (CLM) and Co2 Laser Source for a range of applications, from laser cutting and engraving to industrial marking. EtchON offers best-in-class systems that deliver top performance, and custom solutions that can address every type of laser engraving, cutting, and marking need. EtchON CLM is state-of-the-art laser engraving equipment, designed to deliver quick, clean, quality results for a broad range of needs. It can engrave (mark) and cut characters, artwork and designs as per requirement, on the work piece (non metal materials only) permanently and can be used on plain surface well as Circumference with the help of Rotary Device.

Samples



CLM Models



EtchON CLM201
Desktop Co2 LASER MACHINE

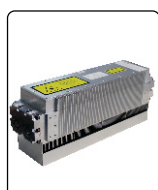


EtchON CLM203
Split Co2 LASER MACHINE

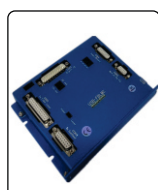


EtchON CLM207
Fly-Mark Co2 LASER MACHINE

CLM Spares



Co2 LASER SOURCE



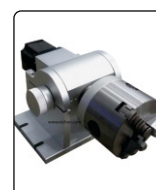
MAIN BOARD



SCAN HEAD



BEAM EXPANDER



FIXTURES

EtchON UV Laser Marking Machines (ULM)

Ultraviolet lasers has 355nm output wavelength to reduce the thermal impact on the work piece, high beam quality and small spot, and the processing of heat affected area is small, which can be used for ultra-fine marking, include DPSS laser (diode-pumped solid-state) and diode laser. The laser head comes with cooling and precise temperature control system, and power supply comes with overcurrent and overheating protection function. EtchON lasers have stabilized power, easy operation, reliable performance and long lifetime. The laser products include 5 series: high energy, high power, high stability, low noise and single longitudinal mode. laser. ULM available in different version as per requirement like 2W 3W or 5W with 100mm to 400mm working area.

The excellent beam quality also affords this laser the ability to be utilized in micro marking applications such as pharmaceuticals, cosmetics, video and other polymer materials, electronics, circuit boards and microchips, in addition to solar panels and precise medical marking, bottle marking, blind hole processing, LCD glass, ceramic, glassware surface drilling, metal surface, plastic buttons.

Samples



ULM Models



EtchON ULM501
Desktop UV LASER MACHINE

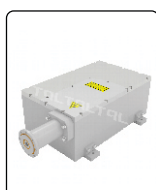


EtchON ULM503
Split-type MARKING MACHINE



EtchON ULM507
Fly-Mark Type UV LASER MACHINE

ULM Spares



UV LASER SOURCE



SCAN HEAD



LASER BOARD



CHILLER



FIXTURES

EtchON Laser Spares



BUILD
you own
Marking Machine
in your
Own Budget

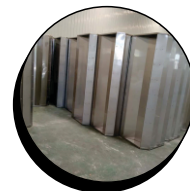
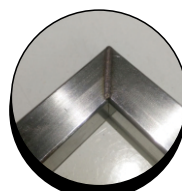
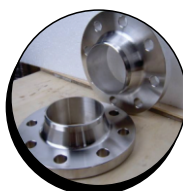


EtchON Fiber Laser Welding Machine (FLW)

Fiber laser welding is one of many laser processes and is used to join various materials together by creating a strong weld between them. While this is most commonly used for metals, it is a process that isn't only limited to this type of material. This process is used to create a strong and permanent joint between two types of material. The laser being used will focus a beam of high-intensity light on a focused area. The aim of this process is to physically melt the two materials together to form a bond between them.

Continuous fiber laser welding machine is suitable for various kind of metal workpiece welding, it is versatile and suitable for the welding of metal connectors, mobile phone accessories (medium plate, nut), power battery, hardware, kitchen, and bathroom electrical equipment, automotive parts, structural parts, medical equipments, precision parts, automobile bodies, etc., It is used for continuous welding of various metal sheets like copper, aluminium, titanium, stainless steel, low carbon steel etc.

Samples



FLW Models



EtchON FLW-10
Handheld Fiber Laser Welding Machine

FLW Spares



LASER SOURCE



LASER SOURCE



Wobble Head



AUTO WELDING HEAD

EtchON Laser Spot Welding Machines (SWM)

The laser welding machine is mainly used for joining components that need to be joined with high welding speeds, thin and small weld seams and low thermal distortion. The high welding speeds, an excellent automatic operation and the possibility to control the quality online during the process make the laser welding a common joining method in the modern industrial production.

A micro Spot laser welder machine is commonly used for reassembly of broken bracelets, earrings and necklaces, ring resizing, repairing bezel settings, retaping prongs, filling porosity and creating made-to-order designs, repairing eyeglass frames, watch bands and costume jewellery.

Samples



SWM Models



EtchON SWM601
Table Top Spot Welding Machine



EtchON SWM603
Desktop Spot Welding Machine

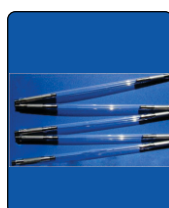
SWM Spares



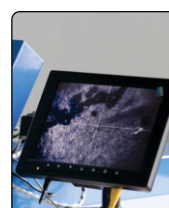
Power Supply



Yaq Crystal



Xenon Lamp



CCD

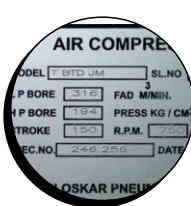


Chiller

EtchON Dot Pin Marking Machines (DPM)

The DOT PIN MARKER.. combined with computer, pneumatic air and precision machinery techniques. It is an industrial marking equipment which can mark on workpiece (metal/not metal material) permanently. EtchON is a leading international provider of ADVANCED Dot Pin Markers for a range of engraving to industrial marking. Markers are made in the highest standard of quality either its PC based model or Standalone model or Portable unit, all are recognised for its durability, stable performance. easy to operation software either it's a logo mark or text mark. Machines are made of Ip65 Standard Switches and connectors, Auto Lubricated LM Guide Ways, Cables are covered with conduit. Different models are available depending upon individual size of marking requirements...

Samples



DPM Models



EtchON PC based Dot Pin Marking Machine
(Line and Dot Marking on plain & arc surface)



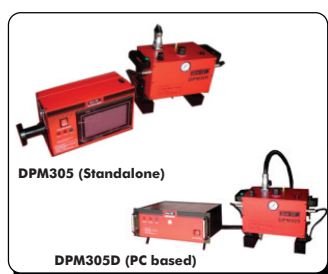
EtchON Standalone (LCD) Dot Pin Marking Machine
(Line and Dot Marking on plain & arc surface)



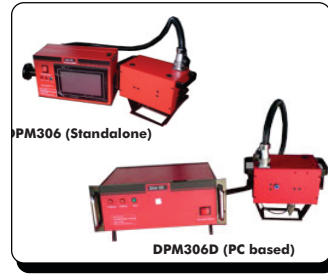
EtchON PC based Rotary Dot Pin Marking Machine
(Line and Dot Marking on plain, arc and round surface)



EtchON All-in-one Standalone Marking Machine
Stand based with portable marking head
(Line and Dot Marking on Plain & Arc Surface)



EtchON
Portable Dot Pin Marking Machine (e-Magnet Support)
(Line and Dot Marking on plain & arc surface)



EtchON
Portable Dot Pin Marking Machine (Bracket Support)
(Line and Dot Marking on plain & arc surface)

DPM Consumables



EN2



EN3



EN4



EN4L



EN4D



EN4LP



EN5DL



EN6DL

EtchON Electro-Chemical Metal Etching Machines (ME)

ELECTRO-CHEMICAL MARKING is recognised as one of the best low budget methods of marking metal permanently without distortion. Electro-chemical etching systems are perfect for marking various conductive material like Stainless Steel, Steel Alloys, Brass, Bronze, Carbide and Copper. And plated metals such as Chrome, Nickel, Gold, Silver, Cadimium and Zinc. Our Etching Systems use a unique electro marking techniques, without any corrosion. Metallic Items Like Surgical -Dairy Equipments, Medical Instruments, Cutlery, SPM Manufactures, Drills, Taps, Tools, Engine Valves, Aerospace Industries, Crank Pins, Sanitary Hardware, Gears, Ball Bearings, etc., can all be marked Consumables like Stencils and Electrolyte Solution. Using metal etching technique we are capable of marking high quality logos, text, numbers and other required information, directly onto the product-whether the surface is round or flat.

Samples



ME Models



EtchON ME 100
ECONOMICAL / Small mark / Single Voltage / Black Mark



EtchON ME 101
SMALL/LARGE MARK / VARIABLE VOLTAGE / Black n BROWN MARK



EtchON ME 102
SMALL/LARGE MARK / VARIABLE VOLTAGE / Black, BROWN, WHITE MARK

ME Accessories



Stencil Label Printer



Stencil DMP Printer

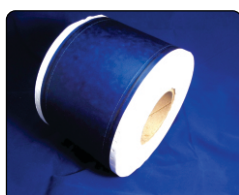


Etching Accessories Set

ME Consumables



Stencil Tape



Stencil DMP



ELECTROLYTES

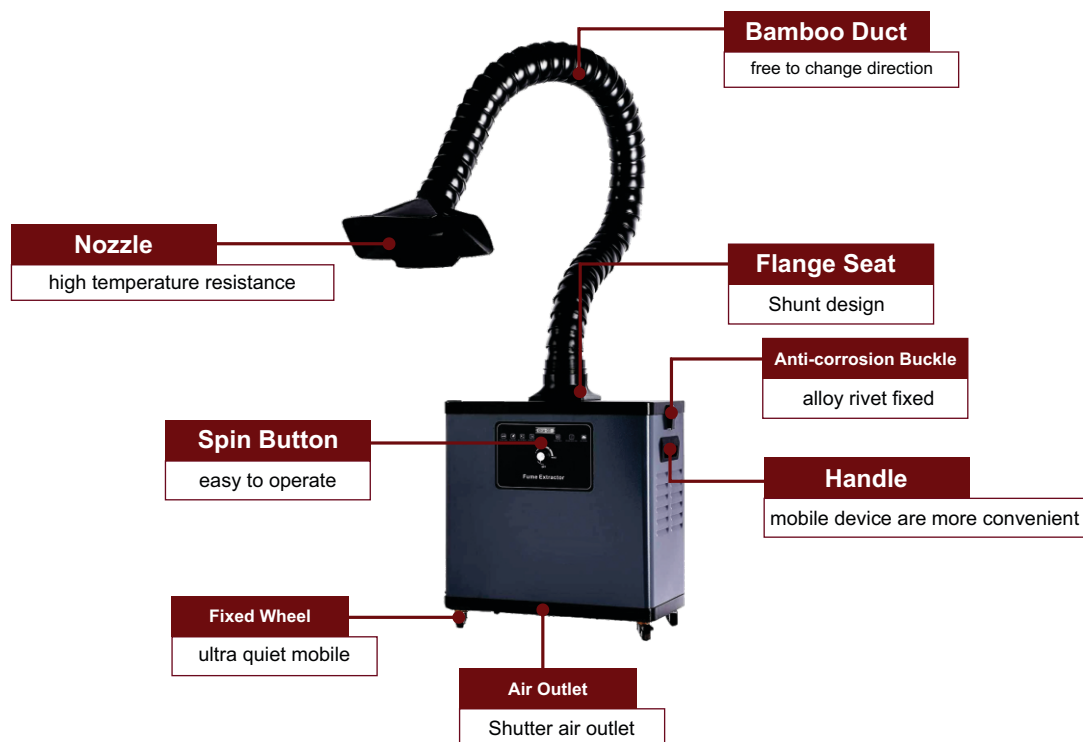


Stencil

EtchON Fume Extractor

Marking, Cutting and Welding Application will produce various components and concentrations of smoke during operation. For different types and concentrations of smoke, smoke purifiers with different power and different filters components need to be used respectively.

The configuration standard of single arm smoke purifier or one support multi station purifier with high efficiency, high cost performance, low noise and low energy consumption has won the unanimous praise of many customers in the market, and the performance is better than the common purifier products in the market.



Triple Filtration (Effective Purification)



01. 1st Layer Pre-filter cotton

Filtration : Large Particles (Pm60)
Replacement Cycle : 10-60 days

02. 2nd Layer Middle Filter

Filtration : Dust, Soot and Tar($\geq 0.3\mu\text{m}$)
Replacement Cycle : 2-7 Months

03. 3rd Layer Main filter

Filtration : Smoke And Harmful gas (Order Removal)
Replacement Cycle : 3-7 Months

EtchON Customized Machines



EtchON Auto Optoelectronics Pvt. Ltd. EtchON MARKS CONTROL

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