

MSE LASER SYSTEM

Fiber Laser System



MSE's Fiber Laser Source is using most advanced Fiber Laser Source to achieve the high quality Laser Beam & zero energy loss Laser transmission.

Advantages

- > Easy To Operate
- > Maintenance Free
- > Integrated System & Compact In Size
- > Easy To Carry
- > Able To Mark Majority Of Material
- > Contactless Mark On Working Area
- > Available On CustomMade Design
- > Training Course Available

System Application

The application scope is abroad particularly suitable for the label / logo creation of the metal tools, tool kitchen utensil, plastic product, computer keyboard, metal jewellery, button, integrated circuit, packaging, bottle, eyewear frame, sanitary fitting leading product and etc.

MSE LASER SYSTEM

Fiber Laser System



MSE's Fiber Laser Source was suitable to use in few type of system, such as Station Laser Marking System, Flying Laser Marking System, Chamber Type Laser Marking System, Mobile Laser Marking System, and Flexible Laser Marking System.



Station Laser Marking

Station type Laser Marking, equipped with 4 heavy duty stopper on bottom to ensure that have zero vibration that protect machine from vibrating. Easy to setup and compact in size.



Flying Laser Marking

Flying type Laser Marking, suitable for production line marking process. Equipped with heavy duty roller trolley to allows user move and setup this unit at wherever place.

MSE LASER SYSTEM

Fiber Laser System



Chamber Type Laser Marking

Chamber Type Laser Marking was built with a conceal box that prevents the laser radiation exposure to the air, with Laser Class 1 certified, it will provide a laser radiation clean environment during the Laser Marking Process.

Flexible Laser Marking

Flexible Laser Marking is a combination of majority of our systems, such as Station Laser Marking, Flying Laser Marking, & Mobile Laser Marking. This allows the user to take out the Laser Head and perform Laser Marking processes anywhere as they wish, such as huge machine housing, wall, roof, and etc. In the other hand, when it is equipped with a work table, it also can be used like Station Laser Mark. Furthermore, it also can be integrated into a production line for Laser Marking Process.



Mobile Laser Marking

Mobile Laser Marking is built into a small size, this will allow the user to carry it easily to perform Laser Marking processes wherever they wish. It is light in weight and equipped with a laptop for artwork designing purposes.

MSE LASER SYSTEM

Fiber Laser System



System Specification



MODEL	20CC	30CC	50CC
CHARACTERISTIC	VALUE(S)		
Laser Power	20W	30W	50W
Laser Wavelength	1064nm		
Repetition Frequency	20KHz to 100KHz		
Repetition Accuracy	±0.002mm		
Marking Area (Standard)	100mm X 100mm		
Marking Area (Optional)	150mm x 150mm / 200mm x 200mm / 300mm x 300mm		
Marking Depth	≤ 3.00mm		
Linear Speed	< 12,000mm/s		
Minimum Line Width	0.002mm		
Minimum Character Size	0.1mm		
Power Consumed	≤ 350W		
Electrical Source	220V ± 10% / 50Hz / 5A		
Laser Source	MAX, China		
Resonance Chamber	BRT Laser, China		
Suitable Material	Metalized Material -- Stainless Steel, Mild Steel, Copper, Aluminium Non Metalized Material -- Rubber, Plastic, PU, PVC, Glass, Paper		
Weight (KG)	100kg		
Cooling System	Air Forced Cooling		
Control Link	USB Interface		
Interface Method	CPU, Keyboard, Mouse, Software Based Control		
Usage Environment	Clean, No Shaking Temperature Below 40°C, Humidity Below 80%		

