

SYSTEM DESCRIPTION

STM-F20 LASER MARKING MACHINE

Edition: ST171102

1. SYSTEM IMAGE



2. SYSTEM DESCRIPTION

STM F Series Fiber Laser Marking Machine uses fiber laser generator and high speed Galvanometer system to enable stable output and high quality laser mode. Fiber laser marking machine can meet the need of mass production with fast marking speed, good marking effect and high efficiency. Furthermore, it has the advantage of easy operation, low running cost, long-term working and free maintenance.

3. TECHNICAL SPECIFICATIONS

ITEM	SPECIFICATION
Laser power	20W
Wavelength	1065±10nm
Beam quality M2	<2
Laser repetition frequency	20KHz -100KHz
Marking size	100mm×100mm (optional)
Marking Speed	≤7000mm/s
Minimum line width	0.02mm
Minimum character	0.15mm
Repetition precision	±0.002mm
Gross power	≤500W
Power Supply	AC220V±10%/ 50/60Hz /4A
Laser Module life	100,000h
Cooling way	Air cooling
Temperature	10°C to 35°C
Humidity	5% to 75%(No condensed water)
Net weight	100KG
Dimension	700mm×900mm×1380mm

4. FEATURE

All in one structure with manual focusing system and user-friendly operation.

- Fiber isolator for protection and increasing the laser lifetime.
- Expanding angle is only 1/4 of the YAG-DP, which is far better than the traditional laser.
- Gross electricity consumption is less than 500W, which is 1/10 of the YAG's consumption.
- Maintenance free and environmental friendly.
- Fast marking speed, 2-3 times faster than the traditional marking machine.
- Multi-documents supported: PLT, PCX, DXF, BMP, SHX or TTF which can be directly imported; the auto coding for sequence No., batch number, date, barcode is available.

5. APPLICATION AREA

Applicable Materials

Suitable for all kinds of metals, industrial plastic, electroplates, metal-coated materials, rubbers, and so on.

Applicable Industry

Widely used in fields like mobile button, plastic transparent button, consumer electronics, IC, tools, communication products, bathing products, tool accessories, glasses and watches, jewelry, gift, button decoration for boxes and bags, cookers, stainless steel products and so on.

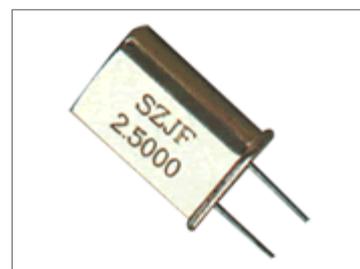
6. SAMPLE



Mobile phone cover marking



Pen driver marking



Capacitance marking



Ring marking



Lampshade marking



Steel cup marking



Metal tube marking



Bearing marking



Scissors marking

Suntec Laser Technology Co., Ltd.

Suntec Laser Technology Co., Ltd. is located in the China Silicon Valley — Shenzhen. With a powerful R&D team and dedicated sales personnel, we are committed to provide solutions of global industrial laser processing. Suntec has a wide range of laser & photonics products, including but not limited to laser marking machine series, laser welding machine series, laser cutting machine series, optical components and relevant accessories of laser spare parts. We also provide OEM customized service for customers. Our main products involved in electronic circuits, integrated circuits, instrumentation, computer manufacturing, mobile communications, auto parts, precision machinery, building materials, clothing apparel, city lights, gold and silver jewelry, crafts gifts, and other industries.

Based on Shenzhen Suntec headquarter, our own Brazil subsidiary Suntec Laser Tecnologia LTDA and Suntec International (HK) Co., Limited are also providing laser solutions for local customers.

Suntec has been working with famous companies like Flextronics, Foxconn, WEG, Salcomp, ADATA, etc. Our rich experience in laser industry will help every future customer find the most efficient way to finish the projects.

Address: 4F, 7 Building, Internet Industrial Park (A Zone), Baoyuan Rd., Bao'an District, Shenzhen, P.R. China

Tel: +86-755-23572117

Email: info@sunteclaser.com

Website: www.sunteclaser.com