SPARKLE MACHINERY ™

✓ **MARKING**

✓ **ENGRAVING**

✓ **WELDING**

✓ **CUTTING**

✓ **CLEANING**

MAKE IN INDIA

स्वच्छ भारत
एक कदम स्वच्छता की ओर

SPARKLE MACHINERY™

Fiber Laser Marking Machine

Standard
MODEL NO. SMLT-101S

Laser Type	Fiber
Laser Power	20W/30W/50W
Laser Source	Max Make
Laser Head	Sino Galvo
Cooling System	Air-cooling
Marking Depth	0 ~ 1 mm (Depending on material)
Optional Marking Area	110mm x 110mm, 150mm x 150mm, 200mm x 200mm
Graphic Format Supported	PLT, DXF, AI, DST, BMP, JPG, GIF, PNG, etc.

ECO
MODEL NO. SMLT-101E

Laser Type	Fiber
Laser Power	20W/30W/60W/100W/200W
Laser Source	MOPA Laser
Laser Head	High Speed Galvo
Cooling System	Air-cooling
Marking Depth	0 ~ 1 mm (Depending on material)
Optional Marking Area	110mm x 110mm, 150mm x 150mm, 200mm x 200mm
Graphic Format Supported	PLT, DXF, AI, DST, BMP, JPG, GIF, PNG, etc.

OPTIONAL ACCESSORIES

✓ Rotary Attachment ✓ Fume Extractor ✓ UPS 1KVA Online ✓ Panel AC

Samples

CAUTION HOT SURFACE

B-000-000-001

FF1234-2

SVO-8905 OUTPUT
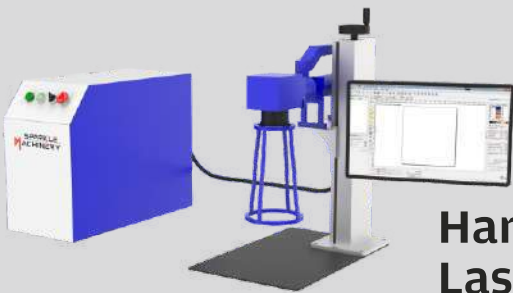
458

SPARKLE MACHINERY ™

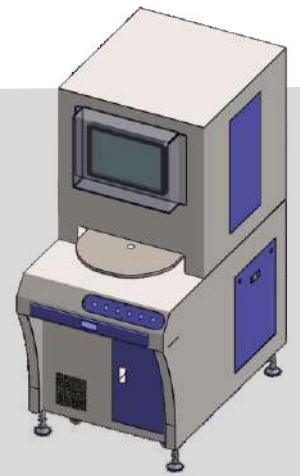## Customized
Laser Marking Machine

Fly With Conveyor

On The Fly Marking

Handheld Laser Marking

Rotary Indexing

Laser Hallmarking

Enclosure Marking Machine

Samples

SPARKLE MACHINERY™®

UV LASER Marking Machine

MODEL NO. SMLT-301E

Type of Model	Desktop UV Laser
Standard Marking Area	110 x 110mm/150 x 150mm/ 200 x 200mm
Laser Type	Ultraviolet Lasers
Nominal Average Output Power	3W/5W/10W
Central Emission Wavelength	355 nm
Power Consum	1000W
Electrical Requirement	AC220 – 10%, 50Hz, 10 Amp
Cooling Method	Water/Air Cooled
Control System / Software	EZCAD
Marking examples	Barcodes / QR Code / Data Matrix 2D Code Logo / Graphics /Text

Samples

PREMIUM
MODEL NO. SMLT-101P

Laser Type	Fiber
Laser Power	20W/30W/60W/100W/200W
Laser Source	IPG Make
Laser Head	FeelTek / Basic Cube10
Cooling System	Air-cooling
Marking Depth	0 ~ 1 mm (Depending on material)
Optional Marking Area	110mm x 110mm, 150mm x 150mm, 200mm x 200mm
Graphic Format Supported	PLT, DXF, AI, DST, BMP, JPG, GIF, PNG, etc.

Samples

Enclosed 3 Axis Laser Marking Machine
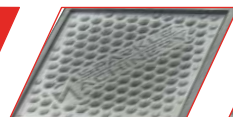## MODEL NO. SMLT-103

MODEL NO. SMLT-103

Laser Type	Fiber
Laser Power	20W/30W/60W/100W/200W
Cooling System	Air-cooling
Marking Depth	0 ~ 5 mm (Depending on material)
Standard Marking Area	150mm x 150 mm, (optional : 110x110,200x200)
Graphic Format Supported	SVG,DXF,DWG,PLT,JPEG, BMP,PNG etc
Laser life	1,00,000 hrs
Cooling Method	Panel AC inbuilt
Supported Application	Aluminium, SS, Brass, Titanium, Alloy Steel, Bronze, Copper, Gold, Silver, Platinum

Samples

APPLICATIONS

Automotive

Bearing,
Backlit Buttons Brakes
Components Crankshaft,
Camshaft, Engine ID,
Plates, Filters, Gears, Fuses
and Fuse Box Covers, Gaskets,
 Injector Nozzles, Piston
Piston Rings, Spark Plugs
 Switches etc.

Jewellery

Hall marking, Product
identification, Branding,
Designing Personalization,
Inventory coding etc.

Electronics

Battery, Capacitors, Chargers
Computer Key Pads
Connectors
Electric Motors Fuses,
IC, MCB , PCB
Switches etc.

Engineering

Electrical Meters, Flow meters
Identification Plates Panels
Solar Cells

Tools & Tooling

Cutting Tools Carbide Tools
 Housing Dial & Guages,
 Drill Bits, Hammers,
 Jigs & Fixtures Measurement
 Instruments Pliers, Punches,
 Saw Blades Socket,
 Screw Driver Wrench, etc.

Commercial/Consumer

Animal/Livestock
Identification Tags, Cutlery,
Camera, Fashion accessories,
Gift ware, Identity Cards
Light Fixtures, Luxury Goods,
Metal Coated, Glass, Mobile
Key Pads, Pendants, Seals,
Sanitary ware spots goods,
Watches etc.

Aerospace & Defense

Engine Components
Turbine Blades
Firearms
Rifles
Weapon
UDI Marking etc.

Medical

Catheter
Computer Key Pads
Connectors
Orthopaedic Implants
Pace makers, Joints,
Pump Surgical Instruments
Valve etc.

Handheld Fiber Laser
Welding Machine

Model: SMLT-402

Type: Handheld Fiber Laser

☑ **WELDING**

☑ **CLEANING**

☑ **CUTTING ALL IN 1 MACHINE**

TECHNICAL SPECIFICATION :

DEVICE/MODEL	1500W	2000W	3000W
Laser Wavelength	1080 (+10) nm		
Output Fiber Length	15M		
Max Laser Power	1500W	2000W	3000W
Rated Power	6KW	8KW	10KW
Supply Voltage (v)	220V/50HZ	220V/50HZ	220V/50HZ
Spot Adjustment Range	0.1-5MM	0.1-5MM	0.1-5MM
Laser Frequency	1-10000HZ	1-10000HZ	1-10000HZ
Cooling System	Cw1500	Cw2000	Cw3000
Observing System	Red Light	Red Light	Red Light

MAXIMUM WELDING THICKNESS

Power	SMLT-1500W	SMLT-2000W	SMLT-3000W
Carbon steel.	≤3mm	≤4mm	≤5mm
(max thickness)	(5mm)	(6mm)	(8mm)
Stainless steel	≤3mm	≤4mm	≤5mm
(max thickness)	(4mm)	(6mm)	(8mm)
Aluminium	≤1.5mm	≤2mm	≤3mm
(max thickness)	(2mm)	(3mm)	(4mm)

SAMPLES:

![SPARKLE MACHINERY logo]

Pulse Laser Cleaning Machine

Model: SMLT-502
Power: 200W/300W/500W

Pulse Laser Cleaning Machine

☑ **Laser Rust Removal Gun Weight:650g**
☑ **Size: 450x163x312mm**
☑ **Weight:12kgs**
☑ **NO MAINTENANCE**
☑ **EASY TO CARRY**
☑ **SIMPLE TO OPERATE**
☑ **EFFICIENT CLEANING**
☑ **MINI CLEANING HEAD**

Laser Specifications

Model	: SMLT- 502
Type of Model	: Pulse laser cleaning machine
Laser Type	: Fiber Lasers
Laser wavelength	: 1064±5nm
Laser Pulse Frequency	: 20-200kHz
Maximum Pulse energy	: 1.5mJ
Maximum scanning range	:250mm
Pulse width	: 180-220ns
Fiber length	: 3m

SAMPLES:

![Sparkle Machinery logo]

Fiber Laser
Hand Held Cleaning Machine

Model	SMLT-501
Laser Power	1500W/2000W/3000W
Laser Wavelength	1064 nm
Laser Type	CW Fiber Laser
Laser Cleaning Head	Super Cleaning Head
Power Range	5-100%
Laser Frequency	50-5KHz
Fiber Cable Length	15 Mtr
Auxiliary Gas	Nitrogen and Argon
Power Consumption	8kw
Operating Power	AC220V/50Hz
Cooling Method	Water Cooling
Operating Temperature	10-35° C
Weight	85 KG

Applicable Material:

Stainless steel
Mild Steel
Aluminium
Brass
Oil / Grease

Applicable Industry:

It is widely used in machinery industries, electronics industries, rubber industries, Auto industries to remove dust, corrosion, and paint from critical parts such as turbine blade landing gear and fuselage surfaces
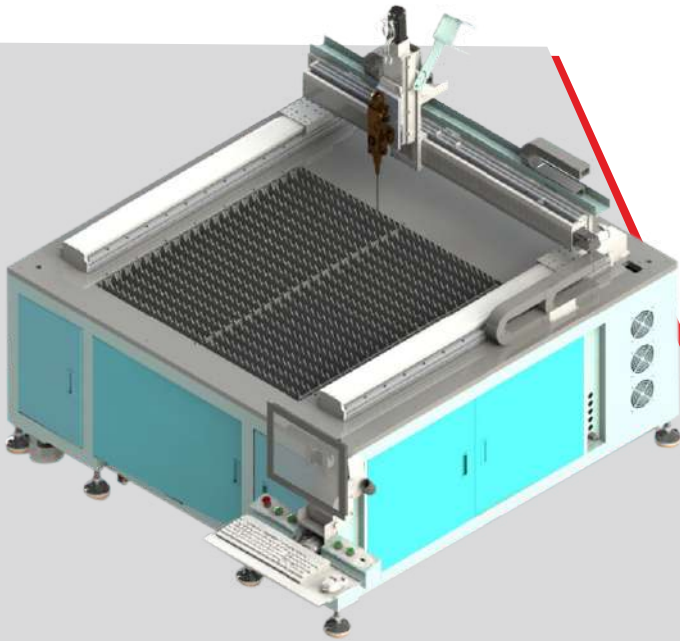
Super Cleaning Gun

Wobble Welding: save 30% power than normal laser welding head, Six different type of laser beam delivery, Spot size adjustable.
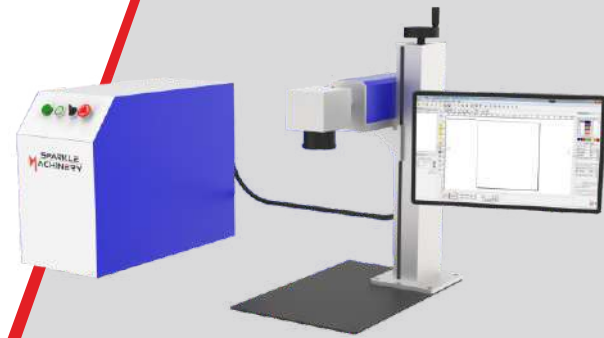
Sample Photos

Before | After | Before | After

Laser Cutting Machine

Portable Laser Marking Machine

5 Axis Laser Welding Machine

Mould Laser Welding Machine

Laser Welding Machine

MODEL NO. - SMLT-401-JW

Model No.	SMLT-401-JW
Output Power	200W
Single-Pulse Energy	0-100J
Cooling System	Water Chiller
Power Supply	Single Phase AC 220V +/- 10%, 50Hz / 60Hz, 4KW
Running Environment	Temp 5 C 28 C Humidity 5% - 70%

Our Happy Customers

SPARKLE MACHINERY ™

Our National Presence

- 📍 Head Office
- 📍 Office Location
- 📍 Service

Delhi
Uttar Pradesh
Siliguri
Ahmedabad
Kolkata
visakhapatnam
Pune
Kolhapur
Goa
Vijayawada
Hyderabad
Bangalore
Chennai
Coimbatore
Kochi
Madurai

SM Laser Technology

📍 Plot No. 460 B, 4th Phase, Near NTTF Circle, Adjacent To Indian Oil Petrol Pump, Peenya Industrial Area, Bengaluru, Karnataka-560058.

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Scan here for for more details

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