



MECS TECH



Customized Laser Equipment  
and Solution from  
professional perspective

[www.mecstech.in](http://www.mecstech.in)

# LASER MARKING

- Portable table top model
- Motorized Head movement
- User Friendly Software for Easy Operations
- Competitive Price with low maintenance cost
- Fiber Laser source life more than 100000 working hours
- Specially Designed for Hallmarking Centre applications

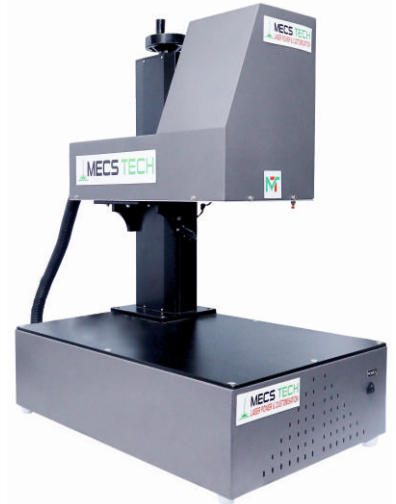
## MODELS

- **F20 Eco** (Max Photonics Source)
- **F20 Pro** (JPT Singapore Source)
- **F20 Pro+** (IPG Germany Source)



**Laser Marking Machine Portable**

- Compact robust Split type model
- Manual Head Movement
- User Friendly Software for Easy Operations
- Competitive Price with low maintenance cost
- Fiber Laser source life more than 100000 working hours
- Specially Designed for Industrial applications



**Laser Marking Machine with Camera Module**

Specially designed Laser Marking machine for Diamond and Small jewellery articles

Parameters	Portable / Split Type
Model	F20 Eco - F20 Pro - F20 Pro+
Working Area	100mm X 100mm (Option: 200X200mm)
Laser Power	20W
Cooling System	Integrated Air Cooling
Head Movement	Motorised / Manual
Frequency	20KHz - 100KHz
Laser Wavelength	1064nm
Minimum Line Width	0.02mm
Minimum Character	0.15mm*0.15mm
Marking Line Speed	≤ 8000mm/s
Repeatability Accuracy	0.01mm
Graphic Format Supported	bmp, jpg, gif, tga, png, tif, ai, dxf, dst, plt etc.
Working Voltage	220V ± 10%   50Hz   4A
Unit Power	< 0.5kw
Laser Module Life	> 100000 hours
Net Weight	60KG /70KG
Gross Weight	70KG/ 80KG



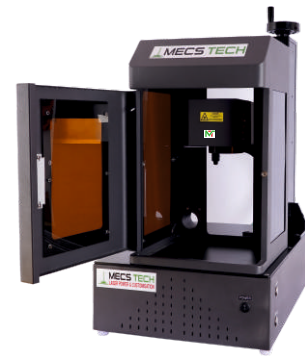
**Laser Marking Machine Split Type**



# LASER CUTTING

- Enclosed chamber for easy movement, save your room space
- Low Power consumption only 0.5kw per hour
- High Speed Galvo Scanner for fast cutting speed
- Perfect performance, continuous working ability
- Stable Structure, little vibration during work
- Models: F50 (50Watt) / F80 (80Watt) / F100 (100 Watt)

Parameters	Table Top / Floor Top
Model	F50 / F80 / F100
Working Area	100 mm X 100 mm / 200 mm X 200mm
Laser Power	50 Watt/ 80 Watt/ 100 Watt
Divergence	0.3 mrad
Beam Quality	M2:1.2 - 1.8
Q Frequency	20KHz - 100KHz
Laser Wavelength	1064±10nm
Minimum Line Width	0.02mm
Marking Depth	0 - 1mm
Marking Line Speed	≤ 9000mm/s
Repeatability Accuracy	0.01mm
Graphic Format Supported	bmp, jpg, gif, tga, png, tif, ai, dxf, dst, plt, cdr etc.
Working Voltage	220V ± 10%   50Hz   4A
Unit Power	< 0.5kw
Working Environment	Clean & Dust free or Dust Less
Net Weight	90 KG / 175KG
Gross Weight	110 KG / 200KG



• **Laser Cutting Table Top**



• **Laser Cutting Floor Top**



• **Laser Welding Table Top**

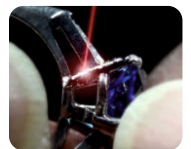


• **Laser Welding Floor Top**

# LASER WELDING

- Ergonomic Design with Top International Accessories
- Special Microscope or CCD observation system of cross cursor
- High power beam expanding system for fine light spots & meet the need of Fine Laser Spot Welding
- Specially designed for Jewellery Application
- Various Metal material such as Gold, Silver, Copper, Platinum etc. can be weld.

Parameters	Table Top / Floor Top
Model	LW 200
Laser Power	200W
Laser Wavelength	1064 nm
Laser Type	YAG
Laser Welding Depth	0.1-3.0 mm
Puls Width	0.1-20 ms
Laser Frequency	0-50 Hz
Single Pulse Energy	90J
Laser Spot Size	0.2-3 mm
Power Consumption	6 KW
Operating Power	AC220V/50Hz 30A
Cooling Method	Water Cooling
Observing Systems	CCD 10x Microscope Or High Definition CCD
Size	1220x1000x600 mm
Weight	180 kg / 105 kg



# ABOUT US

We are a group of industry veterans in the field of lasers and analytical instruments.

MECS TECH provides innovative, robust, and safe laser solutions for the most demanding industries and jewellery applications. Relying on a team of Laser & Analytical Technology experts with over ten years of experience in the same field, we offer a complete range of products for jewellery applications such as gold testing machines (XRF analyzers), laser marking, laser cutting, and laser engraving in the primary metals as well as non-metals. A highly experienced team of seasoned professionals with knowledge and proficiency provides functional, efficient, and sustainable products that consistently meet our clients' requirements and budget.

What started as a spark of vision in 2019 has today soared into a dominant voice in the jewellery industry on the wings of our dedicated associates. MECS TECH combines the abilities and services of capable and motivated associates with extensive product experience.

We strive to help our customers improve their productivity, reduce the skill set required to use the latest technologies, and ensure that workers evolve in a safe working environment. It's our endeavour to combine the talent of all the applications and industries to create impeccable strength and deliver high-class products and services to our customers.

## Why MECS TECH?



Online Support  
24x7



Factory Trained Engineers



Months Warranty  
On Source



Quality tested products



Make In India



Genuine OEM Parts for  
After Sales Service



#42, 2nd Floor, Plot No. C-39 A, Gami Industrial Park, TTC Industrial Area,  
Pawne, Navi Mumbai - 400 710.

**Mumbai | Pune | Bengaluru | Ahmedabad | Kolkata**

### Contact Us :

+91 8879758916 / +91 9619424916 / +91 8879818916



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