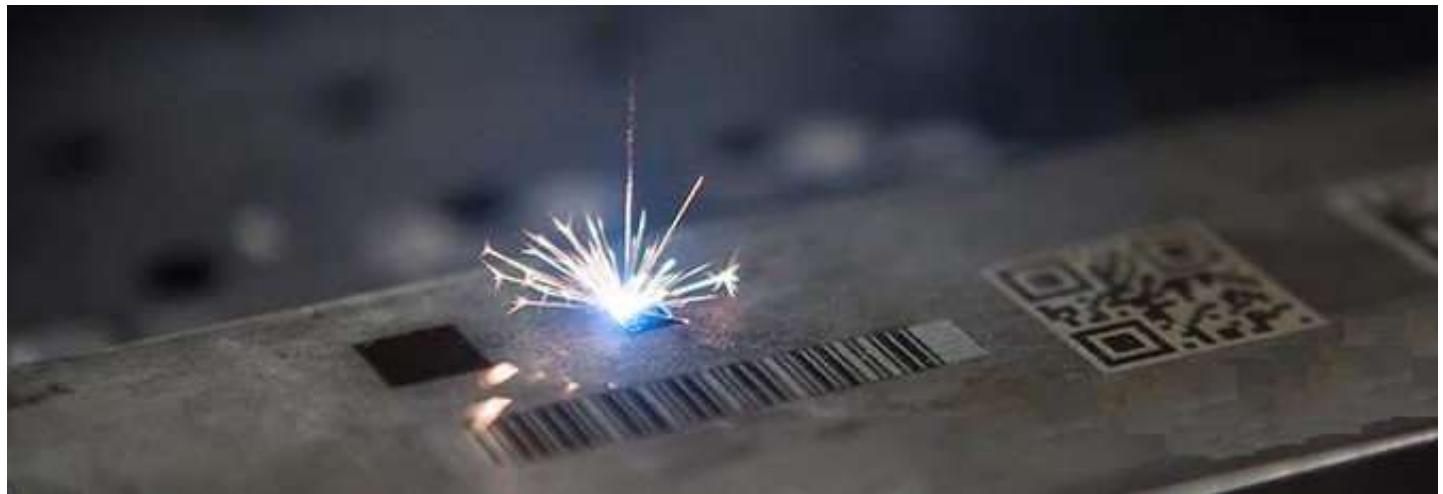


FOCUS

Complete solutions for marking



FE & TECH

*SF. No 41/4, Lenin Street, Co-operative colony, Vilankurichi, Coimbatore, Tamilnadu, INDIA - 641035
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FOCUS LASER ENGRAVING MACHINE

Model : **FOCUSCMM20**

FOCUS configures and manufactures a high-performance custom built Fiber Laser engraving machines. We do serve different industries for their product identification and traceability.

Fiber Laser technology is the latest cutting edge solution for parts marking. This technology has advantages such as high performance, easy to program and mainly no maintenance cost for their product identification. A High Quality Fiber Laser Source is used in our machine, which emits a beam controlled by the different Optics and a specific focal length to be maintained between Laser Head and the object to utilize its efficient energy for a good marking on it. Also diffraction is very limited in the Laser beam. Due to higher accuracy in pulse repeat frequency, very good marking speed and controlled dynamics of dimensions in marking is achieved.



Our Laser marking machine offers these advantages:

- ✓ Maintenance free performance and reliable
- ✓ Compact size and modular construction
- ✓ Stability in output laser power
- ✓ Uninterrupted continuous beam
- ✓ Air cooling, suitable for any working environment
- ✓ Foot switch operated, when it is needed
- ✓ Integrated in to existing production lines
- ✓ Extended component life
- ✓ Good quality PC
- ✓ Large display screen for programming and monitoring
- ✓ Easy operation due to GUI
- ✓ Standard 220V / 50Hz AC operation

Options:

- ✓ Rotary attachments for 3D Rotary marking
- ✓ Marking field ranging 75 X 75 mm to 300 X 300 mm
- ✓ Exhaust system

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Laser marking machine specifications:

| | |
|---------------------------|---|
| <i>Laser Power</i> | <i>20 W (Other Laser power source is available)</i> |
| <i>Laser Wavelength</i> | <i>1064 nm</i> |
| <i>Marking Range</i> | <i>110 x 110 (Other Size is available)</i> |
| <i>Marking Speed</i> | <i>0 - 5000 mm/s</i> |
| <i>Minimum Character</i> | <i>0.2 mm</i> |
| <i>Minimum Line width</i> | <i>0.035 mm</i> |
| <i>Repeat Accuracy</i> | <i>± 0.01 mm</i> |
| <i>Marking Depth</i> | <i>1.2 mm (Penetrating duration depends up on the material)</i> |
| <i>Beam Quality</i> | <i>M2 < 1.8</i> |
| <i>Cooling System</i> | <i>Air cooling</i> |
| <i>Supporting format</i> | <i>Vector file formats (ai, plt, dxf, jpc, svg, nc.g, bot, dst)</i> |
| <i>Power Supply</i> | <i>220V / 50Hz AC</i> |

Our FOCUS Laser marking applicable products:

- ✓ All metals such as Aluminium, Cast iron, Mild Steel, Stainless steel
- ✓ Non metals such as Plastics, Non transparent materials such as PVC,
- ✓ Coated and treated metals also be marked

