FIBER LASER MARKER
FASTMARKER F SERIES

- FastMarker F2100
- FastMarker F3100
- FastMarker F5100
- FastMarker F7100
- FastMarker F10100

DESIGN

Independent design patent industrial-grade workstation with automatic Z axis and safety cover.

RELIABILITY

Using built-in DSP chip set, equipped with industrial embedded operating system, running Macmark laser marking software, while ensuring superior performance, the equipment is more stable and reliable!

FLEXIBILITY

Integration into customer processes (interfaces, additional axes), Various laser systems available, Accessories and options for optimal customization.

SAFETY

Fully equipped Germany Siemens electrical system, machine complies with EU safety regulations (performance level D)

PERFORMANCE

Equipped with high quality fiber lasers with strong beam quality and high efficiency galvo head with dual red light positioning system, fast focus and precise positioning, improve accuracy and speed at work.

ERGONOMICS

Wide and easily opening door for a comfortable loading / unloading components, small footprint, air-cooled laser source, optional mobile, height adjustable worktable and rotary clamps.

◼ INTRODUCTION

The laser marker FastMarker F series consists of advanced manually loaded laser marking workstations for the precise and economic processing of small, large and geometrically complex workpieces as well as small and large batches of parts. Among others, Once the files have been transmitted to the control unit, your marking laser can operate on its own, or controlled by a PLC.

The FastMarker F series is with electronic Z-axis, worktable, electronic lifting column; ideal for almost any direct part marking application – among others in the automotive, aerospace, medical, tools, metal, plastic processing and mechanical engineering industries.

■ TECHNICAL SPECIFICATION

WORKSTATION

Work Space
11.02 × 10.23 in | 280 × 260 mm

Max. Work Piece Weight
up to 55 lbs | 25 kg

Max. Work Piece Size
11.02 × 10.23 × 18.50 in |
280 × 260 × 470 mm (L × W × H)

USER INTERFACES

· Laser marking software
MacMark (on separate, internal)

· USB interface

· Operation via a monitor with
keyboard and mouse / touch
screen monitor

AXES
PROGRAMMABLE Z-AXIS

Travel
12.79 in | 325 mm

Travel Speed
up to 0.24 in/s | 6 mm / s

SCOPE OF DELIVERY

Integrated Z-axis

Configurable laser system

Laser marking software MacMark

SUPPLY (DEPENDS ON WORK SPACE AND LASER SYSTEM)

Power Consumption
Depends on integrated laser system
above listed fiber lasers: 400 VAC

Electrical Requirements
L / N / PE 100 – 240 VAC,
50 / 60 Hz

Temperature
50 – 104 ˚F | 10 – 40 ˚C

Humidity
5 – 85 %, non-condensing

DIMENSIONS

Footprint
1023.00 in | 0.66 m³

(L × W × H)
25.59 in ×27.56 in× 57.09 in |
650mm × 700mm × 1450mm

IP Rating
Housing IP43, Supply unit IP21

Laser Class
Laser class 1 (according to
DIN EN 60825-1)

LIFTING DOOR

Manual opening

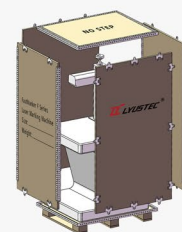Max. doorway 11.89 in (302 mm)

OPTIONS / ACCESSORIES

CCD laser system

Rotary Device

Exhaust systems

Accuracy package

LYUSTEC

	FASTMARKER F2100	FASTMARKER F3100	FASTMARKER F5100	FASTMARKER F7100	FASTMARKER F10100
Laser Type	Fiber				
Laser Power	20W	30W	50W	70W	100W
Wavelength	1064nm				
Dimensions (L × W × H)	650 mm (25.59 in) × 700 mm (27.56 in) × 1450 mm (57.09 in)				
Frequency	Up to 10-80 Khz				
Marking Speed	Up to 10000 mm/s (393.7 in/s)				
Z Axis Type	Motorized				
Operating Temperature	10-40 °C				
Marking Area Available Lenses	F160: 110 mm (4.33 in) x 110 mm (4.33 in) Optional: F100: 70 mm (2.56 in) x 70 mm (2.56 in) F254: 175 mm (6.89 in) x 175 mm (6.89 in) F330: 200 mm (7.87 in) x 200 mm (7.87 in) F420: 300 mm (11.81 in) x 300 mm (11.81 in)				
Z Axis Travel	325mm (12.79 in)				
Door Type	Manual				
Communication Interfaces	4 x USB; Terminal Block 2I / 3O; (Standard) Laser Safety Dedicated I / O; RS232; Ethernet TCP / IP				
Laser Safety Classification	Class 1 Door Closed / Class 2M Door Open (Aiming Diode)				
Power Consumption Rate	< 800W				
Machine Net Weight	100Kg (220.46 lbs)				
Software	MacMark				
Rated Voltage	100 - 240 VAC, 50/60 Hz				

LYUSTEC

PN-98357

Jewelry Industrial

To My son

Medical Technology

Mold Marking

Marking Tools

HSS M3x0.5
HSS M4x0.7

Aerospace Industry

RUD TRIM
GAIN ORDE RESET
NORM
T/O TRIM PUSH

T/O TRIM PUSH

Automotive Industry

EXEDY 8A09A

LYUSTEC LASER

Specializing in developing, manufacturing and selling of industrial laser equipment system and customized automation devices. At present, it has developed into a global laser intelligent equipment service provider integrating automation solutions.

🌐 www.lyustec.com
✉ sales@lyustec.com