



Laser SOLUTION FIBER-SERIES

DESCRIPTION

Our new range of Fiber laser is the best solution for industrial customers looking for a compact, robust and powerful marking machine:

- F20: A **versatile** product adapted to all applications
- F30: A **high-performance** laser marker for increased productivity
- F50: A **powerful** machine for deep engraving



COMPACT



POWERFUL

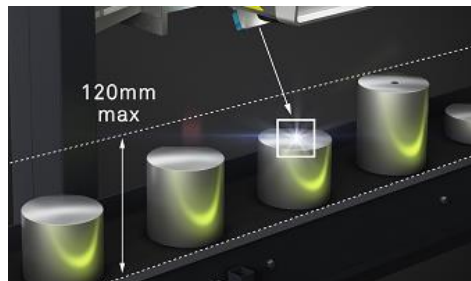


INDUSTRIAL
STRENGTH

ACCESSORIES & OPTIONS



3D Module Marking



AUTO-FOCUS



VISION MANAGER



PROFINET
ETHERNET IP



MINI-IN-LINE
Class 1 Nozzle cap protection



F100 → 65x65mm
F160 → 110x110mm
F254 → 175x175mm
F330 → 205x205mm

FOCAL LENS

YB: FIBRE LASER, CLASS 4, WAVELENGTH: 1064NM

TECHNICAL SPECIFICATIONS		F20	F30	F50
Power		20 W	30 W	50 W
Frequency		20 kHz - 100 kHz	30 kHz - 100 kHz	50 kHz - 200 kHz
Operating temperature		5° - 40°C / 41° - 104°F		5° - 35°C / 41° - 95°F
Storage temperature		5°C - 45°C / 41°F - 113°F		
Humidity level		10 - 85 %		
Rated voltage		100 - 240 V AC / 50 - 60Hz		
Rated power consumption		400W (700W Max)		
IP level	Head	IP54 - Dust & splashing water protected (Fibre Torch Protection on request)		
	UC	IP20		

MARKING SPECIFICATIONS

Marking Speed		10 000 mm/s
Beam diameter (F160)		40 µm
Character Type	Font	Fonts optimized for traceability: +60 fonts (customised fonts on request)
	Barcode	Code 39 / Code 128 / Code 93 / Code 11 / Codabar / 2 of 5 / EAN13 / EAN8
	2D code	DataMatrix ECC200 / QR code / Micro QR code / UID
	Logo image	LO3 format using Logo editor Max from any format (BMP, DXF, EPS, IGES, JPEG, PNG, TIFF, etc.)

INTERFACE SPECIFICATIONS

HMI (Human Machine Interface)	Integrated Backlit screen with control panel for: REAL-TIME SUPERVISION, EASY DIAGNOSIS, SOFTWARE UPDATES, LOG FILES, MEMORY BACK-UP...
Interfaces	Ethernet; Profinet; 8I / 8O; Dedicated I/O (SUB D37); RS232; USB (x3)
Supported OS for LaserTrace Software	Windows XP, Windows Vista, Windows 7 & 8

PHYSICAL SPECIFICATIONS

Length optical Fibre		3 m (16.404 ft)
Weight	Head	8.3 kg / 18.30lb
	UC	16.6 kg (35.27lb) 20.6 kg (44.09lb)
Marking unit installation direction		All directions

UNIT CONTROL

HEAD

