



Integrable Laser Marker

FIBER ENERGY

DESCRIPTION

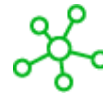
The FIBER Energy is a compact and powerful fiber laser allowing to mark on all kind of metals and some plastics. His robust construction and its high-quality components offer high reliability with low maintenance requirements. Sealed from dust and other projection, the class IP54 head is effective in even the harshest industrial environments. The unit control is fully communicative and ready for integration in production lines without PC.



POWERFUL



INDUSTRIAL



COMMUNICATING

ACCESSORIES & OPTIONS

**INDUSTRIAL
ETHERNET**

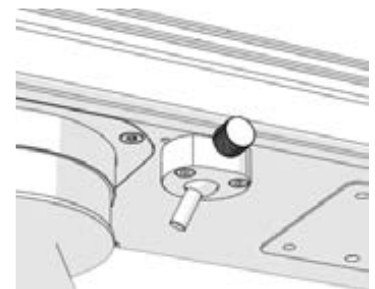
FOCAL LENSES

FOCUSING DIODE



F160 → 110x110mm

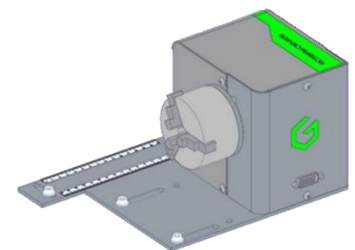
F254 → 175x175mm



LASER WORKSTATION

FUME EXTRACTOR

ROTARY DEVICE



FIBER ENERGY (FIBER LASER, CLASS 4, WAVELENGTH: 1064NM)

TECHNICAL SPECIFICATIONS		F20E	F30E
Power		20 W	30W
Frequency		30 kHz – 60 kHz	
Operating temperature		10 °C - 40 °C / 50 °F - 104 °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	
	UC	IP20	

MARKING SPECIFICATIONS

Speed		Up to 3 000 mm/s
Beam diameter (with F160 lens)		40 µm
Character Type	Font	Fonts optimized for traceability: +60 fonts (customized 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 TCP/IP (RJ45), Programmable 8I / 8O; Dedicated I/O (SUB D37); RS232; USB (x3)
Interfaces options	Profinet or Ethernet IP
Supported OS for LaserTrace Software	Windows® 7 SP1 - 8 - 8.1 - 10

PHYSICAL SPECIFICATIONS

Length optical Fibre		3 m
Weight	Head	7.5 kg (16.53 lb)
	UC	17 kg (37.48 lb)
Marking unit installation direction		All directions

UNIT CONTROL

HEAD

