



Laser Solution HYBRID-SERIES

DESCRIPTION

Laser markers « Hybrid-Series » combine the advantages of the fiber laser technology and the DPSS (YVO4) technology:

- High Energy: Perfect marking on metals
- Short-Pulse duration: best solution for surface marking on plastics
- Highest peak power (up to 150kW) to obtain a perfect contrast
- Robustness: Laser lifetime is equal to fiber lasers
- « All-In-One Design »: easy to integrate and no risks of damaging the optical cables



PLUG N'MARK

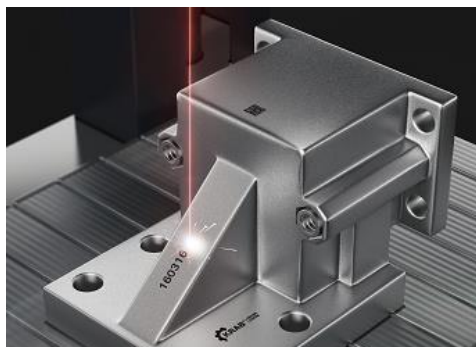


MULTI-PURPOSE

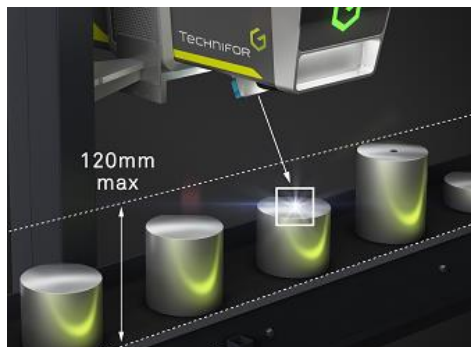


HIGH CONTRAST

ACCESSORIES & OPTIONS



3D Module Marking



AUTO-FOCUS



VISION MANAGER



PROFINET
ETHERNET IP



MINI-IN-LINE
Class 1 Nozzle cap protection



F100 → 70x70mm
F160 → 110x110mm
F254 → 175x175mm
F330 → 205x205 mm

FOCAL LENS

HYBRID-SERIES: LASER DPSS 1064 NM (YVO4)

TECHNICAL SPECIFICATIONS		H6	H10	H20
Power		6 W	10 W	20 W
Peak Power		20 kW	60 kW	150 kW
Frequency		10 kHz - 100 kHz		
Operating temperature		15°- 40° C		
Storage temperature		5°C - 45° C		
Humidity level		10 - 85 %		
Rated voltage		100 - 240 V AC 50 /60 Hz		
Rated power consumption		500W		
MARKING SPECIFICATIONS				
Marking Speed		10 000 mm/s		
Beam diameter (F160)		40 µm		
Character Type	Font	Fonts optmized for traceability: +60 fonts (customised fonts on request)		
	Barcode	Code 39 / Code 128 / Code 93 / Code 11 / Codabar / 2 of 5 / EAN13 / EANB		
	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				
Weight		19.8 kg		
Mounting positions		All directions		
DIMENSIONS				

