Technifor

Laser solution

CO2-series

DESCRIPTION

Laser markers « CO2-Series » offers unique advantages:

- **High Speed marking:** its galvanometric head produces ultra-fast markings and is easily integrated into any production line.
- **Minimal Operating costs** due to the lack of consumables or maintenance.
- **Permanent engraving** on all organic materials (wood, rubber, leather etc.) and mineral materials (glass, ceramics etc.) as well as clear plastics and coated metals.
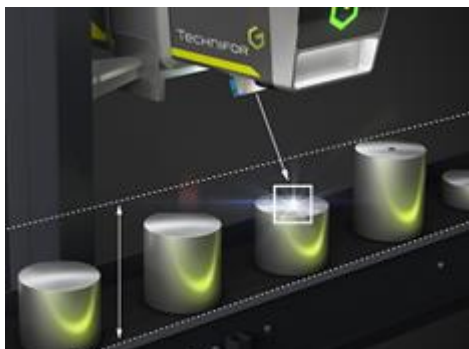

ON THE FLY Marking

Eco-Friendly

Transparent & Organic Materials

ACCESSORIES & OPTIONS

« On-the-fly » kit	AUTO-FOCUS With motorized Z-Axis	VISION MANAGER

F100 → 70x70mm
F150 → 100x100mm
F200 → 140x140mm
F300 → 210x210mm

PROFINET ETHERNET IP	MINI-IN-LINE Class 1 Nozzle cap protection	FOCAL LENS

CO2 Series: LASER CO2 10600 NM

Technical SPECIFICATIONS	C20	C30
Power	20 W	30 W
Frequency	CW laser (Continous Wave)	
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	1000W	

MARKING SPECIFICATIONS

Marking Speed	10 000 mm/s	
Marking Area	F100 (70x70 mm) / F150 (100x100mm) / F200 (140x140mm) / F300 (210x210mm)	
Beam diameter (F100)	300 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	24 kg
Mounting positions	All directions

DIMENSIONS (mm)