



LASER MARKING STATION

Invisible labelling over the complete lifetime

“On-the-fly” marking of the blanks

With the laser marking module from the evoTrQ modular system, it is possible to mark the products permanently right from the start in the press shop. This enables a complete traceability. Besides the extremely small size and therefore the suitability – especially for subsequent integration – the laser marking system is characterized by its good integration into your company network and server landscape.

The labelling doesn't damage the material, is not visible after paint (depth of engraving app. 10µm) and is detectable over the whole lifetime of the board.

At a glance:

- Maximum feed speed of 210 m/min
- Up to four independent lasers per machine
- Minimal marking distance of 200 mm
- Automatic focus correction
- Web-based program configuration
- Special marking shapes on request
- Easy to integrate into your-internal “office-network”



it's possible!
evopro

evopro systems engineering AG
Im Gewerbepark A 52
D – 93059 Regensburg

Tel.: +49 941 899 645-0
Fax: +49 941 899 645-99
info@evopro-ag.de
www.evopro-ag.de

here you can find further
information and videos:



<https://www.evopro-ag.de/evotrq>

evoTrQ Laser marking station

FEATURES

Exemplary laser marking:



process parameters:

materials to be processed:	blank steel, galvanized steel, aluminum
labelling speed:	210 m/min
product performance:	120 parts/min with 2 lasers
multi labelling/part:	up to 4 markings per feed and laser, min. distance 200mm
Positioning accuracy:	+/- 1mm in feeding direction
characters per marking:	max. 11
positioning speed per axis:	100 mm/s

TECHNICAL DATA

laser:

laser class:	4 (acc. to IEC/DIN 60825-4) 1 (with plant-specific protective measures)
optical output power:	50 W
laser equipment/line:	2 pcs. (standard) 4 pcs. (max.)
depth of penetration:	app. 10 µm

dimensions in mm (l x w x h):

laser station:	3.700 x 565 x 990 mm (depending on machine width)
control cabinet:	600 x 600 x 2.000 mm

weight:

laser station:	300 kg
switch cabinet:	160 kg

power supply:

rated current:	16 A
rated voltage:	400 V AC
frequency:	50 Hz
control voltage:	24 V DC

pneumatic supply:

supply pipe:	Ø 8 mm
air quality:	unoiled
pressure:	6 bar
air consumption:	app. 4 l/min

interfaces:

machine communication	Profinet-interface (or similar)
safety contacts:	2 potential-free contacts for safety circuit of the protective doors and / or 2 potential-free contacts for integrated EMERGENCY STOP circuit