INO Line M5

Advanced high precision screen printing equipment

PRINT M5

3/4 automatic high-precision screen printing machine for R&D and prototyping small run production

Basic features:

- Manual substrate feeding, automatic take-off and delivery
- Reciprocating vacuum table, servo-driven on spindle
- Automatic pin-point substrate detection by CCD-cameras (printed target mark or material edges)
- Automatic substrate alignment by servo-motors
- Adjustable print length modulation (length correction)
- Automatic screen positioning during change-over ("quick fit")
- Sophisticated squeegee system with auto-alignment and digital pressure control
- Anti-drip squeegee and skew functions
- HMI with touchscreen, intuitive comfortable logics
- Production data protocol - Industry 4.0
- Protection housing

Optional features:

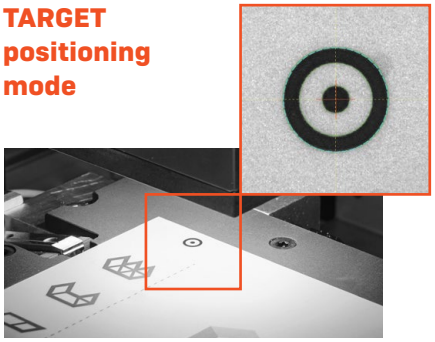
- Enhanced anti-static equipment
- Vacuum printing table in fine structure (substrate thickness < 70 µm)
- Substrate cleaning module above printing table
- On-demand RKS squeegee system
- Jig(s) for mechanical alignment of rigid substrates

Images of the Future

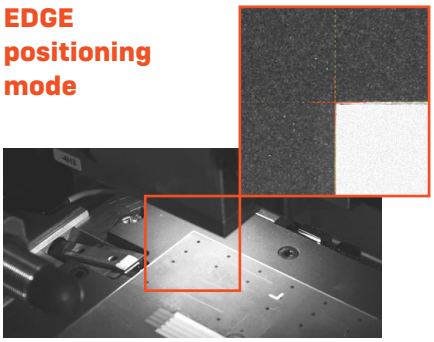
INO, d.o.o., Žiri, Industrijska ulica 14, 4226 Žiri, Slovenija
T: +386 4 505 11 00, **E:** info@ino-ziri.si, **www.ino-ziri.si**

Printed electronics
Wearables
Industrial print

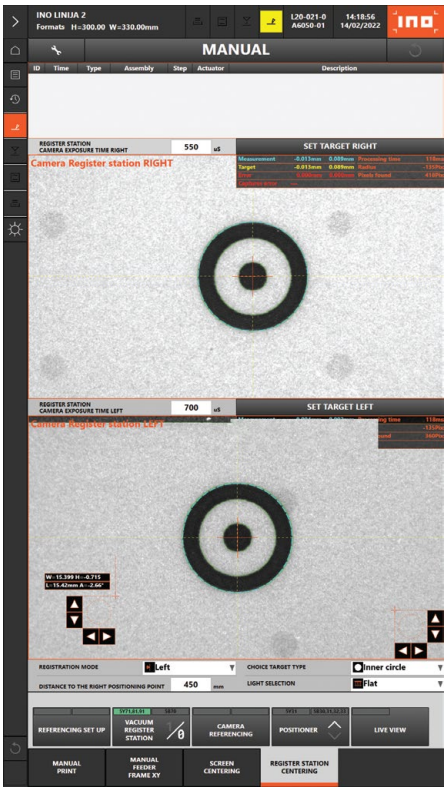
TARGET positioning mode



EDGE positioning mode



Screen positioning at the push of a button: quick fit



Technical data:

Parameter	M5050	M5075	M5105
Max. substrate size	350 x 500 mm	550 x 750 mm	750 x 1050 mm
Max. screen frame size	900 x 700 mm	1.200 x 960 mm	1150 x 1500 mm
Max. screen carrier elevation (height)	400 mm	400 mm	400 mm
Max. cycle speed (all movements set to max.)	350 /h	300 /h	250/h
Precision (screen positioning)	± 15 µm	± 15 µm	± 15 µm
Precision (substrate alignment)	± 15 µm	± 15 µm	± 15 µm