

E2 – Screen & Stencil Printing System

February, 2013



Specification: E2

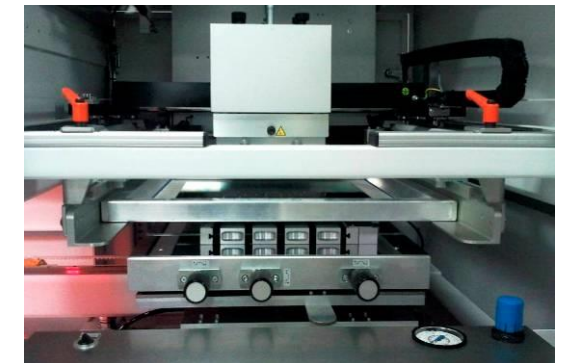
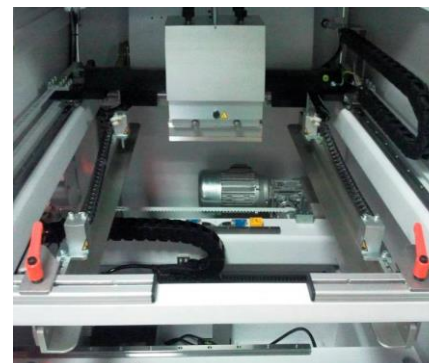
- › Range of application: SMD, Hybrid, Solar
- › Footprint: L:1450 x W:1150 x H:1400 mm
- › Weight: approx. 550 kg
- › Print format max.: 370 x 450 mm
- › Frame size min.: 300 x 300 mm
- › Frame size max.: 620 x 740 mm
- › Alignment accuracy: $\pm 10\mu\text{m}$
- › Print pressure: 10 – 250 N
- › Print speed: 10 – 170 mm/s
- › Print material thickness: 0.8 – 6.0 mm

Specification: E2 XL

- › Range of application: SMD, Hybrid, Solar
- › Footprint: L:1700 x W:1300 x H:1400 mm
- › Weight: approx. 650 kg
- › Print format max.: 550 x 610 mm
- › Frame size min.: 300 x 300 mm
- › Frame size max.: 740 x 920 mm
- › Alignment accuracy: $\pm 10\mu\text{m}$
- › Print pressure: 10 – 250 N
- › Print speed: 10 – 170 mm/s
- › Print material thickness: 0.8 – 6.0 mm

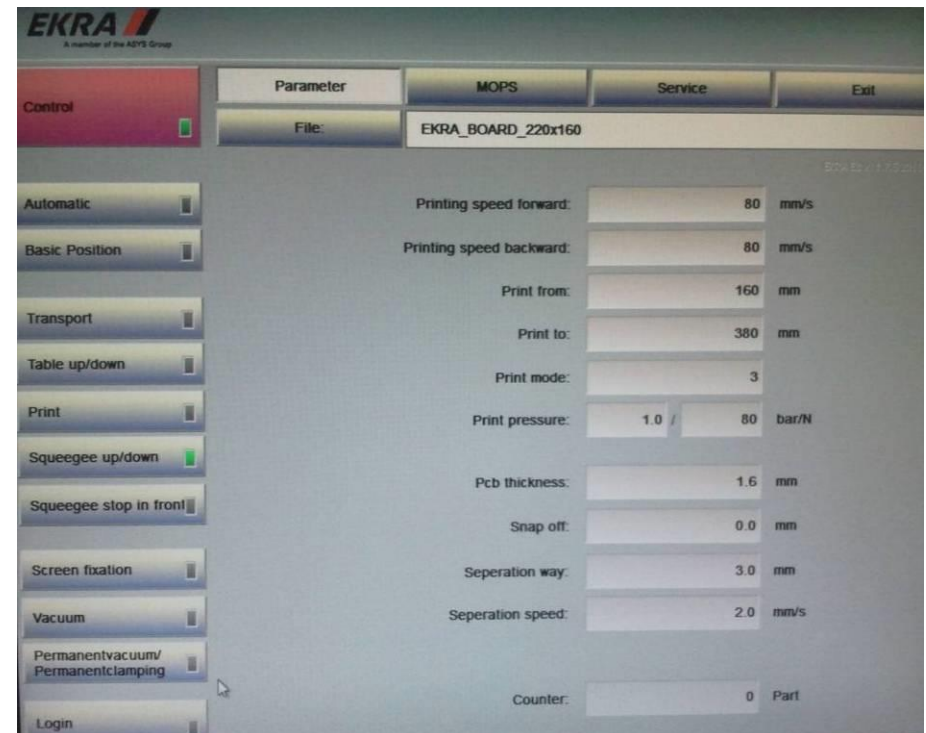
Construction

- › Ridged machine design
- › Print table shuttle driven by motor
- › Full metal enclosure with transparent front lid
- › Flexible Screen holders
- › Mechanical side clamp
- › Optional vacuum print nest



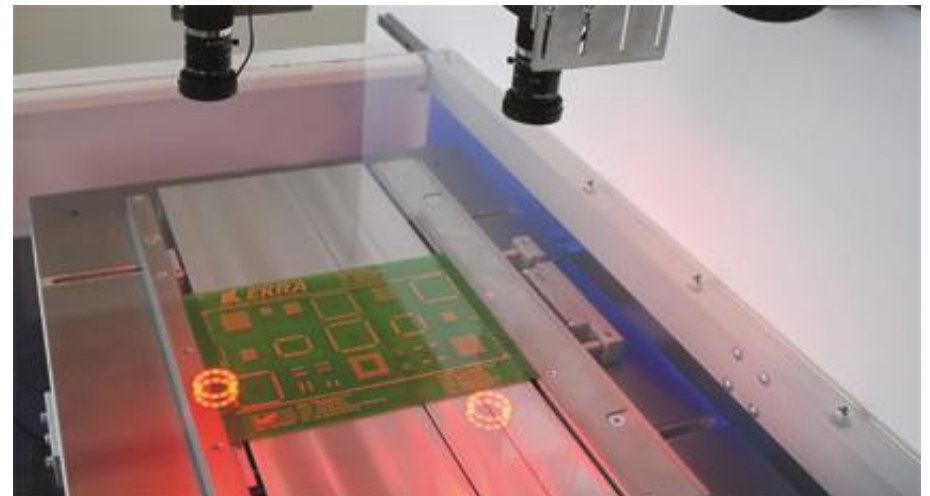
User Interface

- › Well-known HMI
- › Clear structure
- › Easy to use



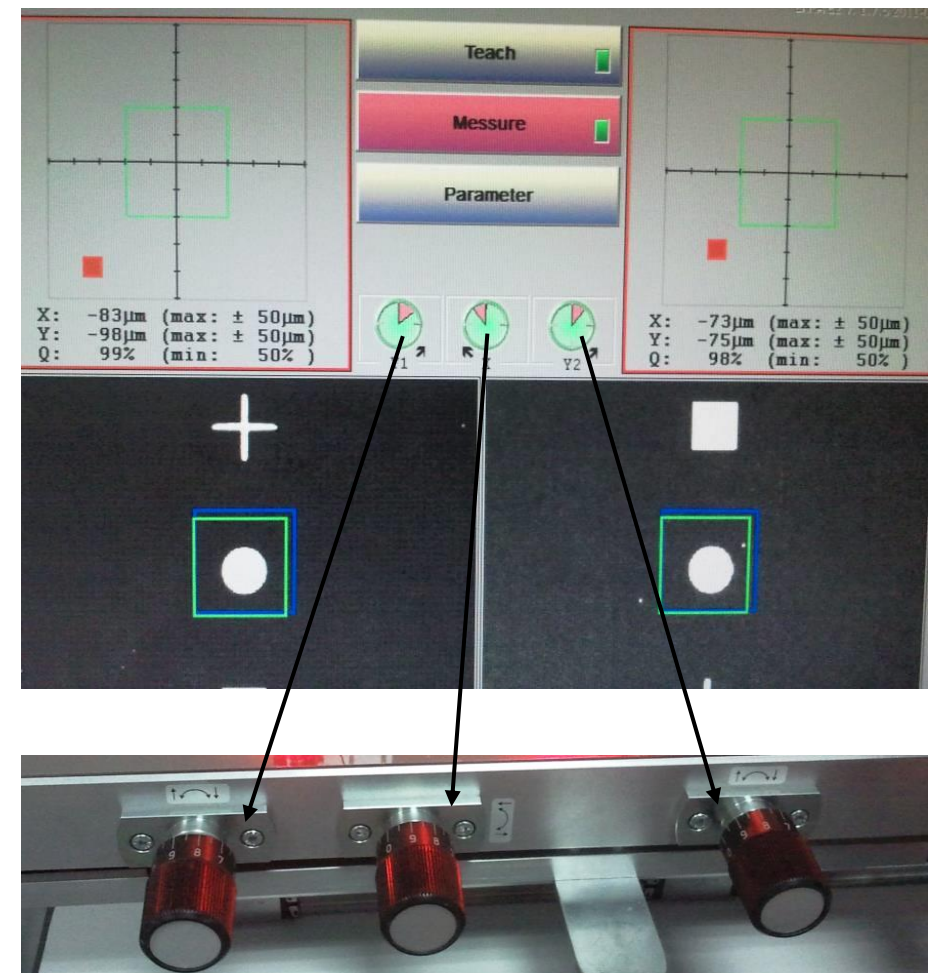
MOPS – Manual Optical Positioning System

- › After the first satisfied print the MOPS is adjusted to the fiducials and teached in
- › The next substrate is placed on the print table
- › The print table is adjusted until the fiducial marks fit to the teached positions
- › The repeatability depends on the operator



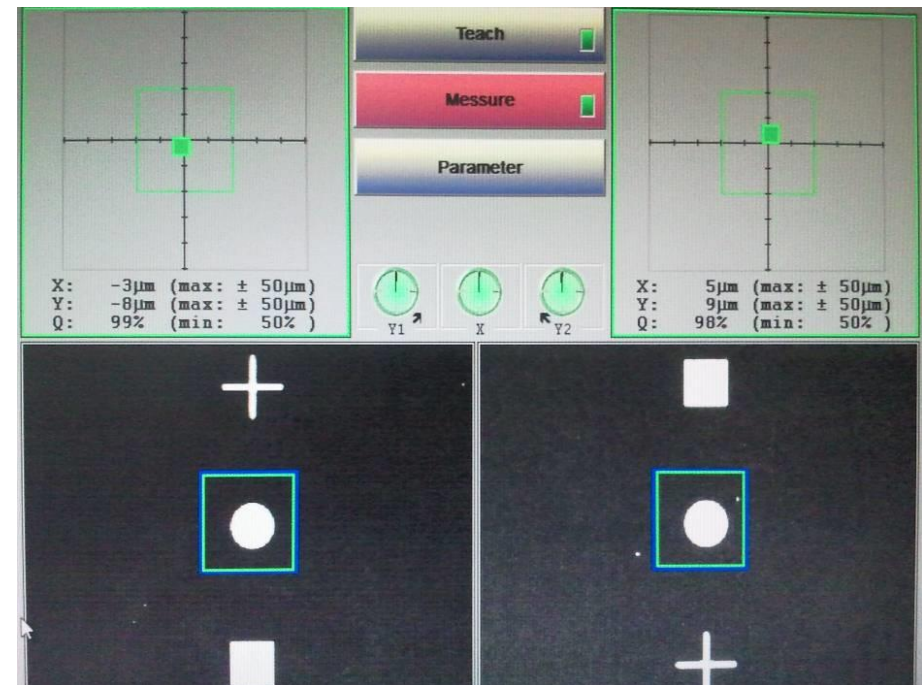
MOPS – Manual Optical Positioning System

- › Picture shows the alignment position
- › The 3 pie charts explain the knob to turn
- › The clear visualisation help to make the alignment within shortest time possible



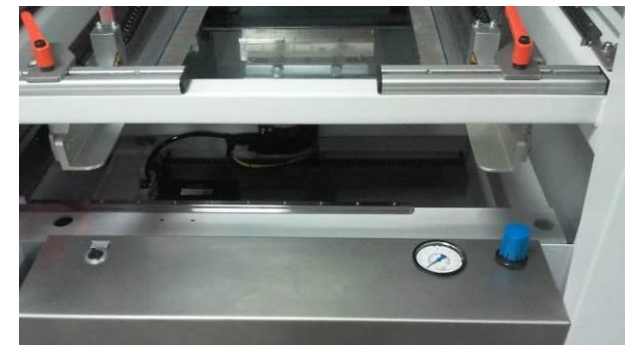
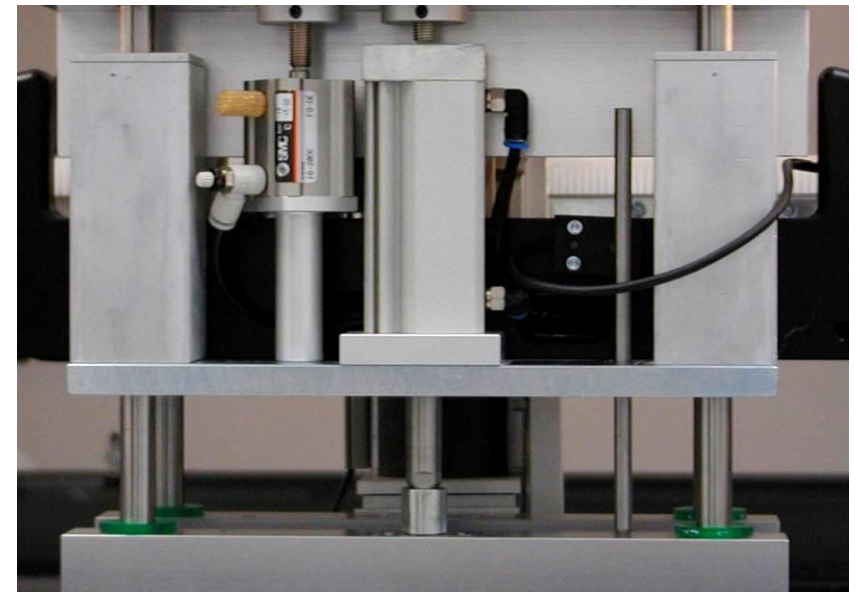
MOPS – Manual Optical Positioning System

- › Alignment is done
- › Now closed the safety lid and start the cycle



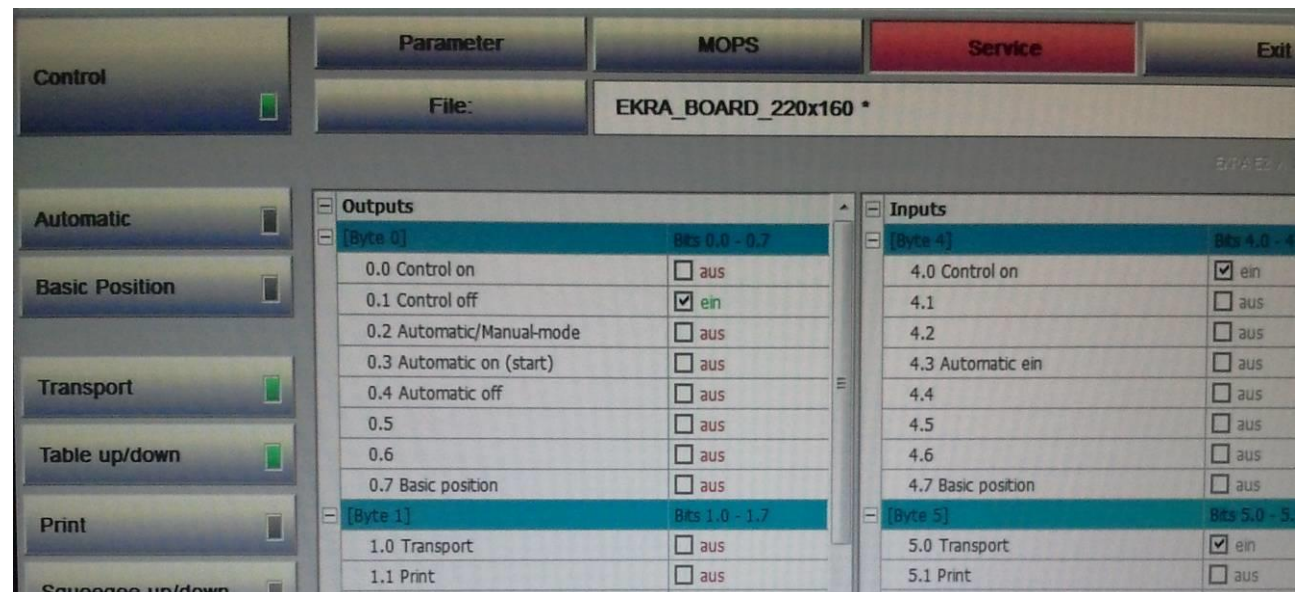
Print Head

- › Pneumatic driven print head
- › Pressure, Print speed adjustable
- › Optional print pressure adjustable by proportional valve
- › Optional screen print head with micrometer set screws



Service Interface

- › Access to In- and Outputs
- › Shows actual state
- › Allows forcing of Outputs



Advantages at a Glance

- › Multiple field of application, i.e.
SMD, Hybrid, Solar
- › Usable for Screen and Stencil Print
- › Easy to operate
- › Optional: Porous Stone, Vacuum Print Nest,
Vacuum Pump

**ASYS
GROUP**

EKRA 
Screen Printing Technologies

E2 – Entry Level Screen & Stencil Printing System

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