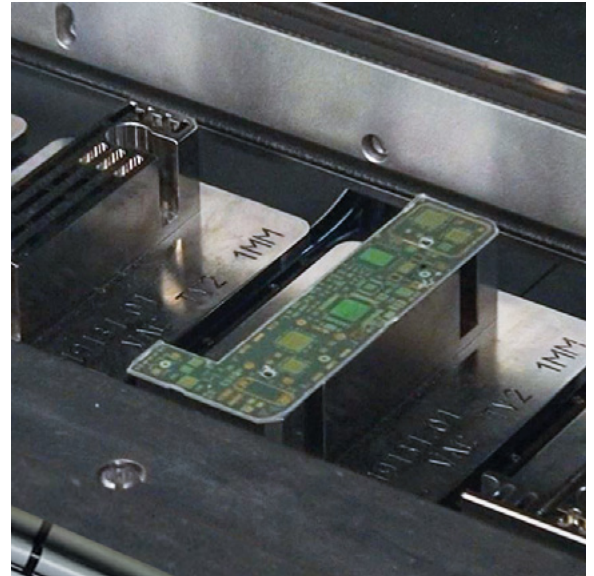
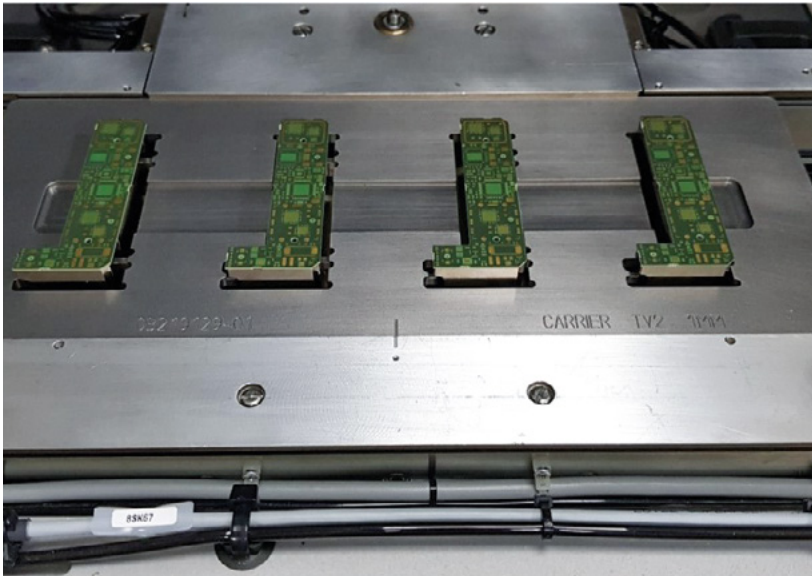


DEK Multiple Alignment of Singulated Substrates (MASS)

Multiple substrates are optically aligned at the same time – a technological breakthrough for efficient and high-precision printing processes with singulated substrates.



With DEK MASS, which sets new standards for printing processes with singulated substrates, ASMPT offers a perfect solution for particularly demanding applications such as smartphone panels, etc.

The printer's vision system detects the fiducials on each substrate before aligning it individually with an accuracy of up to $12.5 \mu\text{m} @ 2 \text{ Cp}$ via movable, application-specific tooling towers (X, Y, theta) and vacuum-holding it in place for the printing process. The alignment after the measurement happens simultaneously for all substrates while they are raised from the carrier. This minimizes cycle times and guarantees maximum efficiency.

DEK MASS is produced as an application-specific tooling. DEK NeoHorizon printing platforms with the new table design can be retrofitted with DEK MASS at any time.

Features and benefits:

- Scalable design
- Maximum precision thanks to optical alignment (up to $12.5 \mu\text{m} @ 2 \text{ Cp}$)
- Simultaneous alignment via movable tooling towers guarantees short cycle times
- Vacuum fixation
- Surround plate for pressure optimization
- Maximum efficiency for demanding applications
- Technological leadership
- Retrofittable

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