



E-FACTS

Machine performance	Specifications
Alignment	@ ±12.5 µm*
Machine accuracy	> 2,0 C _{mk} @ ±25 µm, (6 sigma)**
Shortest core cycle time (CCT)	11 seconds (8 seconds with option)
Operating system	Windows 7 Standard embedded
Squeegee pressure	Software-controlled, motorized with ±1 kg closed-loop feedback
Stencil positioning	Depth stop or semi-automatic stencil loading (optional)
Stencil mount	736 mm x 736 mm (29" x 29") or flexible stencil width adjustment for sizes ranging from 381 mm to 736 mm with frame thickness ranging from 25 mm to 38 mm (optional)
Understencil cleaning	300/400/520 mm DEK Interchangeable Under Stencil Cleaner (DEK IUSC), programmable for wet, dry and vacuum cleaning
Substrate sizes	50 mm (X) x 40.5 mm (Y) to 510 mm (X) x 508.5 mm (Y)
Substrate thicknesses	0.2 mm to 6 mm
Product changeover	< 2 min***
Program creation	< 10 minutes***
Substrate clamping	Over-the-top clamping (OTT) Lateral clamping (optional) Substrate vacuum (optional)
Temperature and humidity sensors	Statistical recording of temperature and humidity readings
Paste verification	Hawkeye 750 (optional)

* Alignment accuracy is calculated with third-party QC-Calc software and comprises substrate loading/unloading, clamping, and the movement of camera systems and tables.
** Machine capability is calculated with third-party QC-Calc software and comprises substrate loading/unloading, clamping, and the movement of camera systems and tables.
*** Under optimal conditions

E by DEK



The **NEW** member of the E Solutions:
E by DEK

The total package makes the difference!
E by DEK – as individual as your requirements



The E-Solutions line from ASM is now complete!

The E by SIPLACE has already set new standards in quality, performance and ease of use in the mid-speed placement segment. Now it is being joined by the ideal printer solution: E by DEK.

The result: E-Solutions, the all-round line solution for the mid-speed segment with integrated software solutions, line monitoring, traceability and fast, trouble-free setup processes for high-mix contract manufacturers and the production of small batches and prototypes.

E-quality

- Modular design
- High-quality components ensure stable and reliable printing processes even for today's fine-pitch applications
- Maximum transparency with the ASM E-Line Monitor

Maximum Transparency with ASM E-Line Monitor

E-performance

- Core cycle times of as little as 8 seconds
- Top ratings in speed, quality, changeover efficiency and repeat accuracy
- Application Packs available for any requirement

E-flexibility

- Easy operation with intuitive user interface
- Broad selection of accessories ranging from software options to automatic stencil width adjustment
- Everything under control: Keep an eye on the whole line with the E-Line Monitor
- Patented clamping system
- Modular construction for maximum flexibility

E by **DEK**

E by DEK – as flexible as your applications

Is your production changing? Instead of having to invest in new printer models, the E by DEK always has the right answer thanks to a wide range of options. They make the E by DEK exceptionally flexible and protect your investment.

Always the right option for your applications:

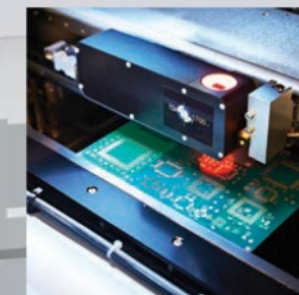
Throughput

- Turn your E by DEK into a high-speed solution
- Core cycle time as short as 8 seconds
 - Dual-speed conveyor motor for soft stops
 - State-of-the-art clamping and loading systems



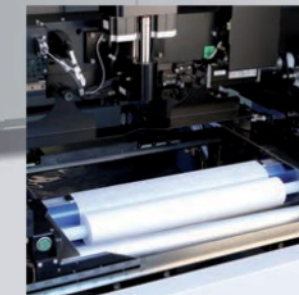
Quality

- Optimize your paste application process:
- Paste inspection system
 - State-of-the-art process control software
 - DEK Paste Roll Height Monitor



Flexibility

- Unique in its class. E by DEK – as flexible as your applications
- Lateral clamping
 - Dual-speed conveyor motor for soft stops
 - Variable stencil loading
 - Fast semi-automatic stencil loading



Long and heavy boards

- In the mid-speed segment, only the E by DEK can print long and heavy boards:
- Boards with lengths of up to 620 mm
 - DEK conveyor for heavy substrates (Heavy Board Rails)
 - Camera-independent substrate stop (DEK Remote Board Stop)
 - Long-board under stencil cleaning (600 mm)

