

E_{by} SIPLACE



The **NEW** Machine for Mid-Speed Applications

Quality the German way,
as easy as it can be.

E by SIPLACE



E-Quality

E by SIPLACE stands for top quality, the German way. It lets you place components with more precision and the right placement force. Precisely controlled linear drives, programmable placement force and the SIPLACE digital vision systems provide the basis for an unprecedented level of placement quality in the mid-speed segment.

E-Performance

The E by SIPLACE makes good use of market-proven SIPLACE accomplishments. With state-of-the-art placement heads, intelligent feeder technologies and industry-leading optimization software, it sets a new benchmark for the mid-speed segment.

E-Use

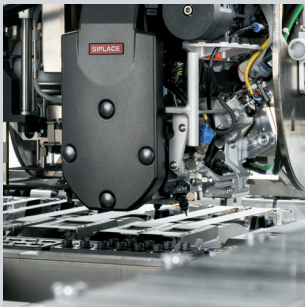
E-Use stands for easier operation, more user-friendliness and lower service costs. It means a graphical user interface in various languages, easy online teaching and programming, and clear status messages during operation.

E-Cockpit

Exactly what you need: The E by SIPLACE line can be tailored to your specific needs, be they premium speed, flexibility or accuracy. Whether you select the Basic, Volume or Flex E-configuration or a special customized solution, the possibilities are endless.



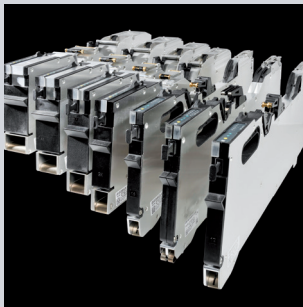
	E-Basic Line	E-Flex Line	E-Volume Line
E-Speed	45,300 cph	90,600 cph	135,900 cph
E-Component Range	01005 – 200 mm x 110 mm	01005 – 200 mm x 110 mm	01005 – 200 mm x 110 mm
E-Feeder Slots	120	240	360



Heads

The SIPLACE placement heads are famous for their precision, speed and flexibility:

- Reliable, individually programmable placement force control
- Automatic adjustment to board warpage
- Combined collect-and-place and pick-and-place units turn a single-gantry E into an all-rounder



Feeders

Each component in exactly the same position every time:

- Smartfeeder E precision drives
- Closed-loop control system

Smartfeeder E:

- Calibrates itself
- Features exceptional robustness
- Hot-swappable
- Requires very little maintenance



Component Tables

E by SIPLACE component tables:

- Support fast setup and tear-down of feeder modules, even during the placement process
- Work with Smartfeeder E and more feeding options
- Offer a total of 120 feeder slots with two component tables attached to the E by SIPLACE



Drives

Maximum head speed and precision:

- State-of-the-art linear motors
- High-resolution scales
- Modern sensors
- Decades of experience in control software

The stiff chassis and precise linear drives deliver quality by design and for a long time to come.



Digital Vision System

E by SIPLACE features high-resolution SIPLACE digital vision system:

- Each component is individually captured and inspected
- Individual lighting configurations capture more details than shapes
- Easy teaching with modern image recognition algorithms
- Always operates at the same speed, even for the smallest components

E_{by} SIPLACE

We're convinced, now convince yourself.

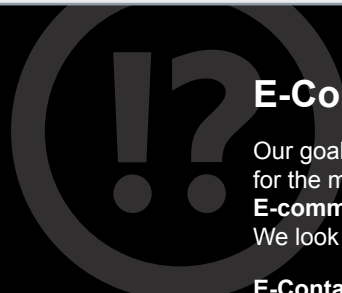


E-Facts

Placement Head	CP14	CP12	CP12/PP	CP6/PP	TH
E-Component Range	01005 – 6 x 6 mm	01005 – 18.7 x 18.7 mm	01005 – 45 x 98 mm	0201 – 45 x 98 mm	0201 – 200 x 110 mm
E-Component Height	4 mm	7.5 mm	19 mm	19 mm	25 mm
E-Accuracy (3σ)	41 μm	41 μm	37.5 μm	37.5 μm	22 μm
E-Speed	45,300 cph	24,300 cph	24,200 cph	13,700 cph	5,200 cph

Placement Machine	SIPLACE E				
Heads	CP14, CP12, CP12/PP, CP6/PP, TH				
PCB Size (LxW)*	1,200 x 460 mm				
PCB Thickness	0.3 – 4.5 mm				
Feeder Capacity	120 x 8 mm				
Power Supply	3 x 200/208/220/230/380/400/415 VAC ± 10%, 50/60 Hz, 1.8 KW				
Compressed Air	5.0 bar (0.5 MPa) - 10.0 bar (1.0 MPa)				
Air Consumption	90 NL/Min	90 NL/Min	140 NL/Min	140 NL/Min	185 NL/Min
Machine Dimension (LxW)**	1,460 mm x 1,730 mm				
Machine Weight***	1,850 Kg				

Notes:
 * PCB Length from 460 mm to 1,200 mm only available with Long Board Option
 ** Without changeover table or fixed table
 *** Single-Sided machine



E-Contact

Our goal: Offering the best placement solution for the mid-speed market and building a reliable **E-community** with you. Are you convinced? We look forward to hearing from you.

E-Contact: E-by-SIPLACE@asmpt.com
E-Web: www.E-by-SIPLACE.com

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