

E-FACTS

Placement heads	CP14	CP12	CP12/PP	TH
Component spectrum	01005 to 6 x 6 mm	01005 to 18.7 x 18.7 mm	01005 to 45 x 87.5 mm	0201 to 200 x 110 mm
Component heights	4 mm	7.5 mm	19 mm	25 mm
Accuracy (3 sigma)	41 µm	41 µm	37.5 µm	22 µm
Speed	45,300 cph	24,300 cph	24,200 cph	5,200 cph

Placement platform	E by SIPLACE			
Placement heads	CP14, CP12, CP12/PP, TH			
PCB size (L x W)*	1,200 x 460 mm			
PCB thickness	0.3 to 4.5 mm			
Feeder slots	120 x 8 mm			
Power supply	3 x 200/208/220/240/380/400/415 VAC ± 10%, 50/60 Hz, 1.8 KW			
Compressed air	5.0 bar (0.5 MPa) - 10.0 bar (1.0 MPa)			
Compressed air requirement	90 NL/min	90 NL/min	140 NL/min	185 NL/min
Dimensions (L x W)**	1,500 mm x 1,666 mm			
Weight***	1,850 kg			

* PCB lengths from 490 mm to 1,200 mm with Long-Board Option only
** Without component or changeover tables
*** Single-sided

E by SIPLACE



The **NEW** Highly Flexible All-Rounder

Simply better in terms of quality, performance and operation.

E by SIPLACE



E-Quality

E by SIPLACE sets new placement quality standards in the all-round segment. It places all components in the right position and with the correct force – thanks to high-precision linear drives, programmable placement force sensors, and the unique SIPLACE digital vision system.

E-Performance

Benefit from our premium-class technologies. With state-of-the-art placement heads, intelligent feeder technologies and industry-leading programming and optimization software – never before has this much performance been available in the all-round segment.

E-Use

The new standard for easier operation, more user-friendliness and lower service costs. It means a graphical user interface in various languages, easy online teaching and programming time-saving software wizards, and clear status messages during operation.



Placement 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 the first real all-rounder



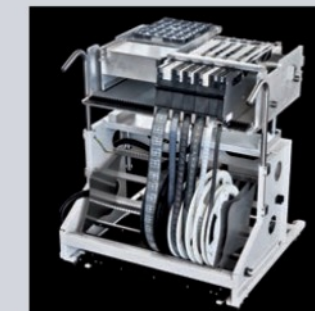
Feeders

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



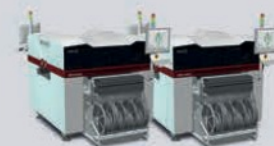
Component Tables

The new 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 8 mm feeder slots with two component tables attached to the E by SIPLACE

E-Cockpit

Exactly what you need: The E by SIPLACE line can be tailored to your specific needs, whether you are looking for premium speed, flexibility or quality. Select from Basic, Volume and Flex configurations – or design your own line.



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



Drives

Maximum head speed and precision:

- State-of-the-art linear motors
- Exact positioning via high-resolution scaling
- 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
- Wizards for extremely fast and reliable teaching
- Easy teaching with modern image recognition algorithms
- Always operates at the highest speed, even for the smallest components