

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

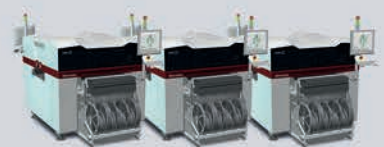
Benefit from our premium-class technologies. With state-of-the-art placement heads, intelligent feeder technologies and industry-leading programming and optimization software – never before has this much performance been available in the all-round segment.

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.

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

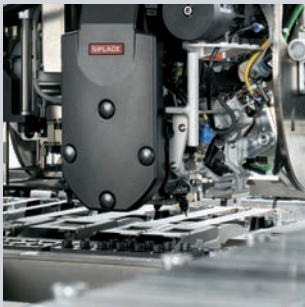
01005 – 200 mm x 110 mm

E-Feeder Slots

120

240

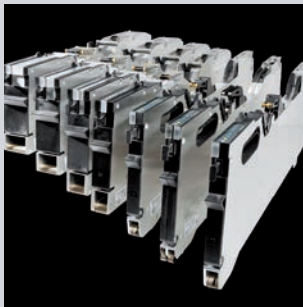
360



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



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

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 87.5 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 200/208/220/240/380/400/415 VAC ± 10%, 50/60 Hz, 1.8 KW				
Compressed air	5.0 bar (0.5 MPa) - 10.0 bar (1.0 MPa)				
Air consumption	90 NL/Min	90 NL/Min	140 NL/Min	140 NL/Min	185 NL/Min
Dimensions (LxW)**	1,500 mm x 1,666 mm				
Weight***	1,850 kg				

Notes:
 * PCB lengths from 490 mm to 1,200 mm only available with Long Board Option
 ** Without changeover table or fixed table
 *** Single-sided machine



E-Contact

Our goal: offer the world's best all-round solution and establish a long-term partnership with you. If we convinced you, don't hesitate to get in touch with us:

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