

SIPLACE X-Series S

The ultimate SMT solution for high-end applications



The SIPLACE X-Series features maximum productivity, flexibility, quality and investment protection. As our top-of-the-line platform, it delivers optimum line balancing, coordinated processes and world-class performance as well as fast new product introductions, intelligent setup concepts and total placement process control. And it does all of this in a smaller footprint and with more flexibility thanks to modular gantries.

SIPLACE

The modular SIPLACE X-Series adapts perfectly to any requirements. It lets you select the optimal configuration for any production line depending on what works best for making your business successful. Three different models are available:

- The SIPLACE X2 S and X3 S with their modular gantries are often used as flexible placers for special components.
- The SIPLACE X4 S is primarily used as a fast high-speed runner or as a fast and flexible end-of-line machine, depending on its head configuration.

Your benefits at a glance

- Only three placement heads to cover the entire standard component spectrum
- Innovative SIPLACE software portfolio for huge productivity increases in your production
- Gantry modularity for flexible performance scaling
- Standard models can handle boards with dimensions of up to 650 mm x 560 mm
- High setup capacities despite short line lengths
- SIPLACE Smart Pin Support for extra long or flexible boards

SIPLACE X-Series S

Lean, flexible, powerful

The SIPLACE X-Series S is the ideal solution for high-volume manufacturers with the highest requirements in terms of speed, flexibility and accuracy.

Easy transport of large and wide boards

The SIPLACE X-Series S single-conveyor model supports boards with dimensions of up to 610 mm x 560 mm by default. Additional available options expand its spectrum even further.

Market-leading software tools included

For additional improvements in line productivity, the innovative SIPLACE software suite provides comprehensive solutions with modular tools for SMT lines and production management as well as for production scheduling and control.

Only three heads for all standard components

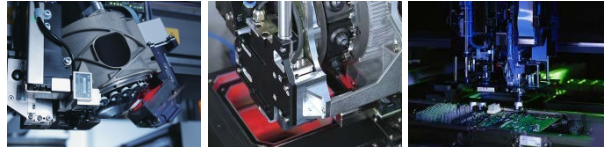
With the SIPLACE X-Series you can configure and change the placement heads in the field as needed.

This lets you meet any requirement – from high-speed placer to end-of-line solution.

Besides the highly accurate and extremely fast 20-nozzle Collect & Place head, which may even be used for high-volume 0201 (metric) applications, you can deploy the exceptionally flexible SIPLACE MultiStar and the flexible and highly accurate SIPLACE TwinHead with a component spectrum ranging from 0201 to 200 x 125 mm for complex components.

These three heads are all it takes to achieve placement speeds of up to 125,000 cph and accuracy ratings of up to 22 µm at 3 σ.

SIPLACE Placement Heads



SIPLACE SpeedStar

SIPLACE MultiStar

SIPLACE TwinHead

TECHNICAL DATA

Head types	SIPLACE SpeedStar / SIPLACE MultiStar / SIPLACE TwinHead		
Component spectrum	03015 to 200 mm x 125 mm with heights of up to 25 mm		
Speed	SIPLACE X2 S	SIPLACE X3 S	SIPLACE X4 S
Theoretical rating	85,250 cph	127,875 cph	170,500 cph
SIPLACE benchmark	65,500 cph	94,500 cph	125,000 cph
IPC rating	52,000 cph	78,100 cph	105,000 cph
Placement accuracy	Up to 22 µm at 3 sigma		
PCB dimensions (single conveyor)	450 mm x 560 mm (up to 850 mm x 560 mm with LBO)		
Feeder slots	160 8-mm tracks		
Machine dimensions (length x width)	1.90 m x 2.60 m		
Conveyors	Single conveyor / flexible dual conveyor		

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