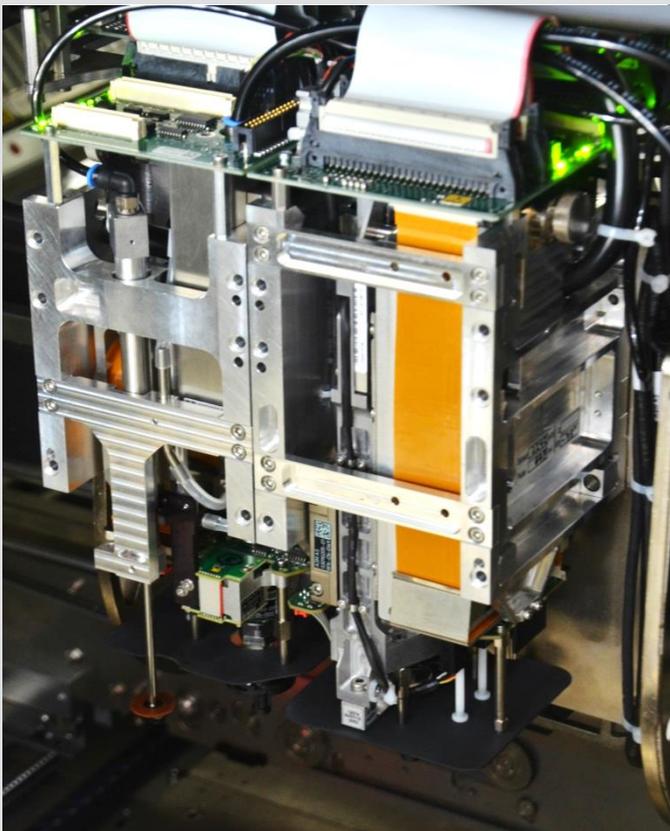


SIPLACE VHF TwinHead

MORE POWER FOR PLACING ODD-SHAPED COMPONENTS



Tall connector modules with complex fasteners no longer need to be placed in separate processes or with special equipment. With the SIPLACE VHF (Very High Force) TwinHead, the highly flexible SIPLACE SX gains a strong partner that uses the proven SIPLACE Pick & Place system to position components that are up to 40 mm high, and 200 mm long with a force of up to 70 newtons reliably and accurately.

SIPLACE 

With its VHF TwinHead for the SIPLACE SX, SIPLACE automates the placement of higher-than-normal components.

The head makes it easy to integrate the placement of components requiring high forces, such as snap-in or through-the-hole components, into the SMT production process.

Your benefits at a glance:

- Place components with a force of up to 70 newtons
- Place components that are up to 40 mm tall and 100 g heavy with a regular SIPLACE SX machine
- With the odd-shaped component package for the SIPLACE Waffle Pack Changers 5 and 6 you can load up to nine trays with components that are up to 40 mm tall
- With a special travel profile, you can place pin-and-paste components in a way that protects the existing solder deposit
- A special travel profile for the PCB conveyor prevents tall components from tipping

SIPLACE VHF TwinHead

TECHNICAL SPECIFICATIONS SIPLACE VHF TwinHead	
Component spectrum	0201 to SO, PLCC, QFP, sockets, plugs, BGA, bare dies, flip-chips, shields
Placement force	2.0 N to 11 N \pm 10% 10 N to 70 N \pm 15%
Nozzles	5xx (standard) 4xx / 8xx / 9xx grippers
Placement accuracy (X/Y accuracy)	\pm 22 μ m at 3 σ \pm 30 μ m at 4 σ
Max. height	40 mm
Max. weight	100 g
Max. dimensions single measurement multiple measurements	55mm x 45mm 200mm x 125mm

Each SIPLACE VHF TwinHead features a stationary fine-pitch camera, a vacuum sensor and a force sensor.

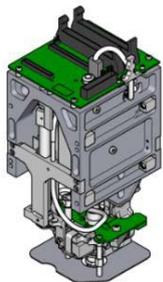
A combination of precision drives, digital vision systems and sensors ensures that each component is placed quickly, reliably, and with maximum accuracy.



SIPLACE SX and SIPLACE WPC6

Powerhouse for large components

Particularly for electronics manufacturers in the automotive and IT industries, large and odd-shaped components requiring high placement forces are an everyday challenge.



SIPLACE VHF TwinHead
With a placement force of up to 70 N

Rapid replenishment with Odd-Shaped Package

To further raise the line performance even when placing odd-shaped components with the Very High Force Head, we offer the OSC package for the SIPLACE WPC5 and WPC6.

It lets you insert up to nine trays holding components that are up to 40 mm tall.

With the SIPLACE WPC 6 you can even replenish odd-shaped components without having to stop the line.

PERFORMANCE

Machine type	SIPLACE SX2	SIPLACE SX2	SIPLACE SX1
Head configuration	VHF TH / VHF TH	VHF TH / CPP	VHF TH
IPC rating	10,200 cph	23,100 cph	5,500 cph
Benchmark rating	11,000 cph	27,000 cph	6,500 cph

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This brochure contains only general descriptions and/or features which may not apply to a specific product or may change as a result of new product developments. Specific features are only binding if they were expressly specified in the respective contract.

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