

# SIPLACE WPC

## WAFFLE PACK CHANGER WITH NON-STOP MODULE



The new SIPLACE Waffle Pack Changer provides for a significant increase in process reliability thanks to its ability to supply component trays continuously. Its non-stop module allows the operator to insert and remove trays without having to stop the production.

**SIPLACE** 

Components which are supplied in trays must be placed quickly and reliably, or the line's performance will suffer.

The SIPLACE WPC with its non-stop supply feature significantly raises the efficiency of processing components and errors resulting from assigning trays to the wrong slots are eliminated as well.

# SIPLACE

## Waffle Pack Changer (WPC)

### Non-stop tray supply

The new WPC features a non-stop module (NSM) that lets the user refill the tray supply continuously without having to stop the machine's operation. All the operator has to do is open the NSM door and insert the trays. The system automatically moves each tray to one of the 28 vertical conveyor slots assigned by the placement program. Depending on the carrier's position, this step takes two to three seconds at the most.

To optimize the workflow in terms of time and travel distance, the program coordinates the WPC's setup perfectly with the placement sequence.

### Fewer errors

The new SIPLACE WPC with its non-stop module also supports the correct placement of trays. When a tray is empty, the WPC automatically pushes it out of the tower, which tells the operator exactly where to replenish the component supply.

### High setup capacity next to the SIPLACE WPC

Since the WPC can be combined with a 30-track changeover table, the WPC keeps a large amount of the SIPLACE machine's exceptional tape feeder capacity available. In terms of setup flexibility, the narrow table offers the same capabilities as all other SIPLACE change-over tables: it is movable, it can be set up and verified off-line, and feeders can be set up individually.

## TECHNICAL SPECIFICATIONS

Dimensions	
Length x width	1520 mm x 360 mm
Height with 900 mm PCB transport height	1430 mm
Height with 930 mm PCB transport height	1460 mm
Height with 950 mm PCB transport height	1480 mm
Weight	
Basic equipment	ca. 280 kg
Fully set up (with carrier and component trays)	ca. 330 kg
Dimensions of tray (Length x width x height)	Up to 360 mm x 260 mm x 6 mm (standard component height)
Dimensions of waffle pack (Length x width x height)	347 mm x 235 mm x 15 mm
Height (including components)	
Standard mode	up to 29 mm
High-component mode	up to 32 mm
Storage capacity	28 trays
Tray changeover time	
Across 1 level	1.9 seconds
Across 10 levels	2.3 seconds
Across 27 levels	2.8 seconds

**ASM Assembly Systems GmbH & Co. KG**  
Rupert-Mayer-Str. 44  
81379 Munich, Germany  
Phone: +49 89 20800-27819  
Fax: +49 89 20800-36692  
siplace.de@asmpt.com

[www.siplace.com](http://www.siplace.com)

**ASM Assembly Systems Ltd**  
China, Shanghai  
Phone: +86 21 5887-3030  
info.china@asmpt.com

**ASM Assembly Systems SAS**  
France, Bussy Saint Georges  
Phone: +33 1-79 94 81 22  
marketing.siplace.fr@asmpt.com

**ASM Assembly Systems Singapore Pte Ltd**  
Singapore, Singapore  
Phone: +65 6877-3900  
siplace.sg@asmpt.com

**ASM Assembly Systems GmbH & Co KG**  
Austria, Vienna  
Phone: +43 1 259 0529-0  
siplace.cee.at@asmpt.com

**ASM Assembly Systems, LLC**  
USA, Suwanee  
Phone: +1 770 797-3000  
easales.sea@asmpt.com

**ASM Assembly Systems AB**  
Sweden, Sollentuna  
Phone: +46 8 703-3500  
siplace.se@asmpt.com

The information in this specification consists only of general descriptions and / or performance features, which is not contractually binding. Any specific performance features / capabilities will only be binding if contractually agreed. Subject to changes without notice.

A10011-ASM-G98-X-7600 Edition 3-04/2011