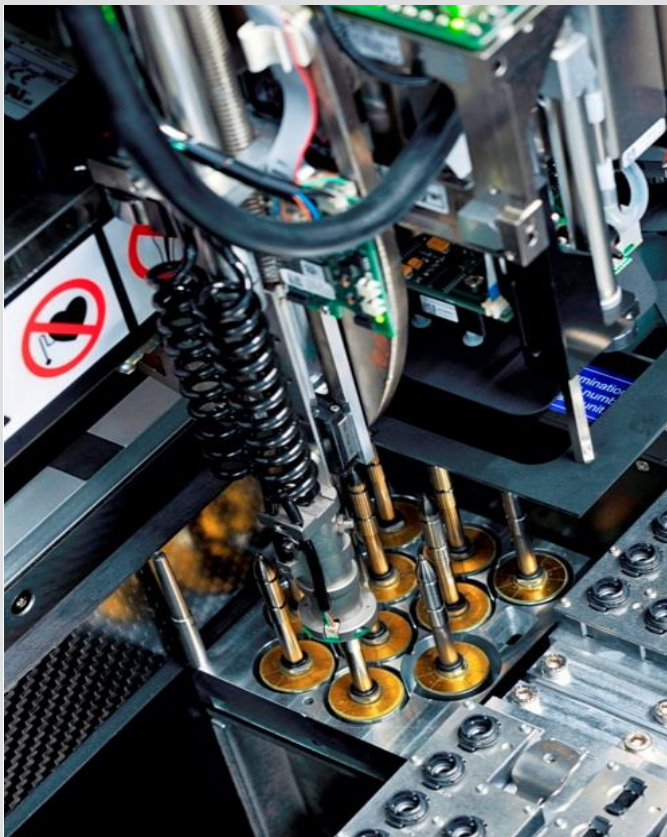


# SIPLACE Smart Pin Support

SET SUPPORT PINS AUTOMATICALLY AND RELIABLY



Very large, wide or thin PCBs must be supported during the placement process in order to prevent warping or vibrations. With SIPLACE Smart Pin Support, ASM Assembly Systems presents a hardware-software combination that automates the time-consuming placement of these support pins.



## Automatic and precise board stabilization with SIPLACE Smart Pin Support

Very large, heavy or sensitive circuit boards must frequently be supported during the placement process in order to ensure the best possible placement quality.

In the past, pins had to be put in place manually. And since it was important to take sensitive components on the underside of the board into account, the work had to be highly accurate and took a lot of time. In addition, the line had to be at a complete standstill.

SIPLACE Smart Pin Support automates this process and makes this troublesome task a thing of the past.

The Pin Picker retrieves the support pins from a magazine during the production process before placing them quickly and accurately in positions that have been specified in the placement program. The support pins can be positioned completely free to ensure a perfect board stabilization.

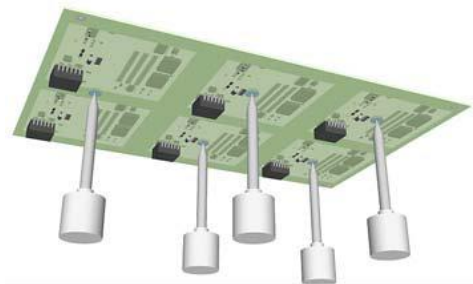
That way, SIPLACE Smart Pin Support enables users to automate another error-prone and expensive manual process from their production flow.

# SIPLACE Smart Pin Support

Benefits of SIPLACE Smart Pin Support at a glance:

## Non-stop production

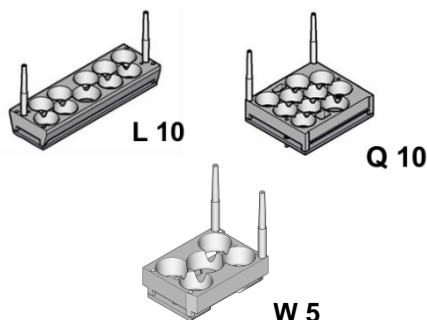
- You define the support pin positions in the SIPLACE Pro editor for each side of the board.
- The 3D display lets you identify and prevent potential collisions with sensitive components.



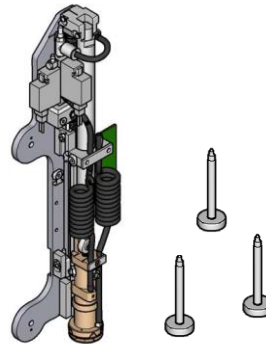
3D view in SIPLACE Pro

## Easy production integration

- You simply install the SIPLACE Pin Picker next to the placement head in the machine.
- Before the pins are placed, a slight blast of air removes any contaminations from the placement area of the lifting table.
- No operator interaction is required.
- Different pin magazines are available for different machine configurations (longitudinal and square, each holding five or ten pins).



Support pin magazines



SIPLACE Support Pin gripper unit and pins

## Technical Specifications

Standard package, single conveyor	SIPLACE Pin Picker & 5 support pins
Standard package, dual conveyor	SIPLACE Pin Picker & 10 support pins
Support pin magazines	<ul style="list-style-type: none"> <li>▪ Up to 10 support pins per pin magazine</li> <li>▪ Up to 20 support pins for single conveyor</li> <li>▪ Up to 30 support pins for dual conveyor</li> </ul>
SIPLACE placement heads	All head configurations
Compatibility	<ul style="list-style-type: none"> <li>▪ Station Software 706, SIPLACE Pro 10 and higher</li> <li>▪ SIPLACE SX1/SX2 v2</li> </ul>

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