

SIPLACE Smart Pin Support

Set support pins automatically and reliably

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

The benefits at a glance



Non-stop production

- No operator interaction is required.
- The pin position is checked after setting regularly during production.
- During program changes, the pins are automatically and in a time-optimized manner.
- The pin picker places the pins on the lift table plate according to the order specification.



Easy production integration

- You simply install the pin picker next to the placement head in the machine.
- 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.
- Before the pins are placed, a slight blast of air removes any contaminations from the placement area of the lifting table.

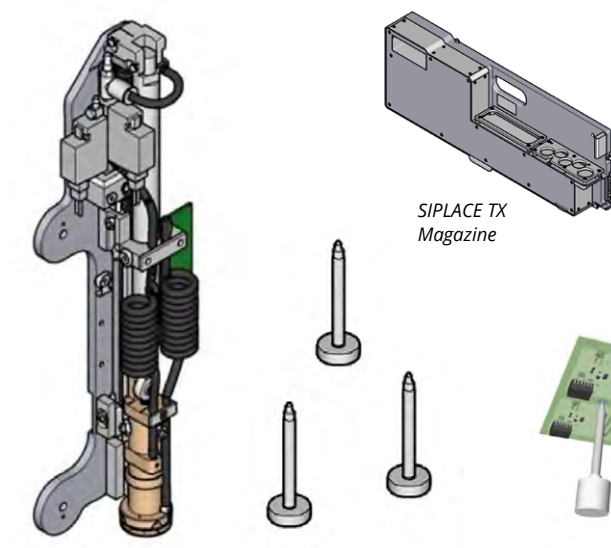
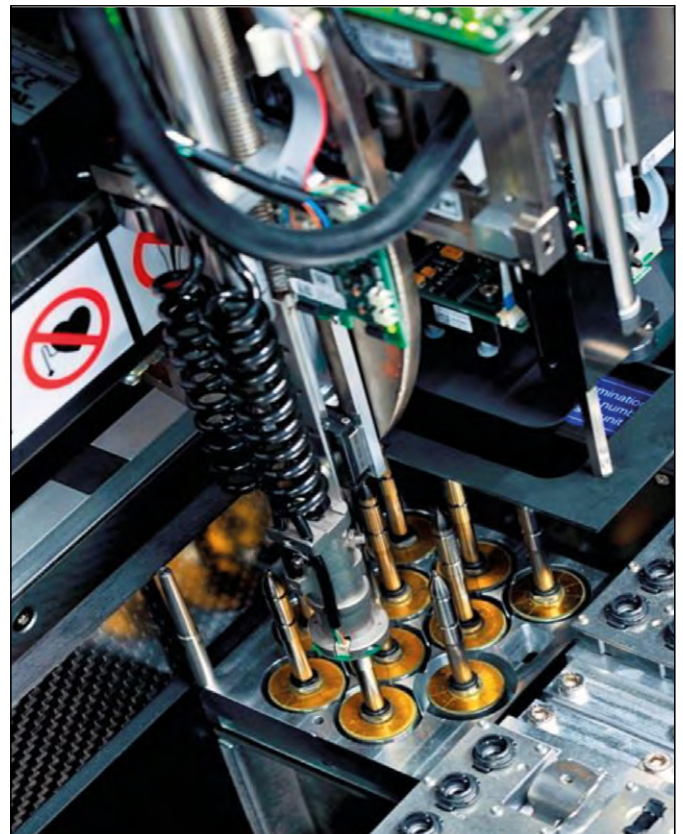
Automated and precise PCB support with SIPLACE Smart Pin Support

Most PCBs must be optimally supported to ensure consistently high placement quality. Setting support pins by hand is a time-consuming process during which the line is at a standstill.

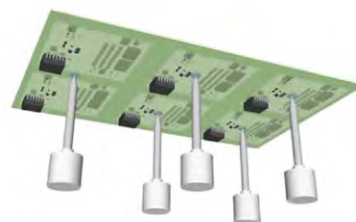
SIPLACE Smart Pin Support automates this process and thus relieves electronics manufacturers of this previously laborious task.

The pin picker picks up the pins from a magazine according to the order. It then places them quickly and accurately on positions previously defined in the placement program. These support pins can be freely positioned to ensure perfect PCB support. After the pins have been placed, their position is checked with the PCB camera, as well as at regular intervals during ongoing production.

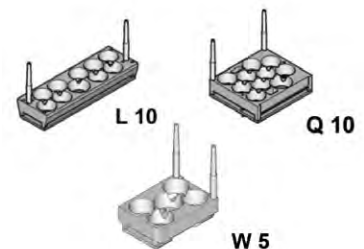
With SIPLACE Smart Pin Support, electronics manufacturers can thus automate another error-prone, expensive manual process from their production.



Support pin gripper unit and support pins



3D view in SIPLACE Pro



Support pin magazines

Technical Specifications

SIPLACE placement heads	All head configurations
Compatibility	<ul style="list-style-type: none">• Station Software 706, SIPLACE Pro 10 and higher• SIPLACE X S, SIPLACE SX and SIPLACE TX

Please contact your regional SIPLACE Service Partner with any questions you may have.

ASMPT

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