Our semi-automatic P100 Pin Insertion machine is designed to apply both TE and other manufacturer products. It offers applied cost savings features for mid-volume production typically available in more expensive systems. Plus, the machine can be supplied with a rotary insertion finger that applies products at different angles without decreasing the insertion rate in a range of +/-90 degrees. In addition to PCB processing, our pin insertion machines offer greater flexibility with the ability to insert contacts into housings.

3 2 <10

Features
For Your Current and Future Tooling Needs
- Board capacity up to 420 x 360mm [16.5” x 14.2”]
- Up to two insertion heads fixed mounted
- Tool conversion kit for changeover in less than 10 minutes (compatible with P300/P360/P550)
- Freely programmable insertion angle (rotation of up to +/- 90-degrees has no influence on insertion rate)
- Insertion rate up to 1.5 cycles/second (up to 2 contacts per stroke)
- Single and double pin insertion
- Active lower anvil provides support to the PCB during insertion and offers special actions such as clinching (when applicable)
- Flexible PCB and lower support tool equipped with pin presence check support for enhanced productivity
- Real-time force monitoring for 100% quality assurance (maximum force and force vs. distance monitoring)
- Maximum Insertion Force 900N (more possible on request)
- Vision system for PCB alignment accuracy
- Servo Motors for XY
- Touch screen provides simple programming and an intuitive operator interface
- Able to process any manufacturer’s reeled contacts (including Nano contacts)
- Contact bending feature allows for the bending of contacts up to 90-degrees
- Full traceability capabilities
- Industry 4.0 ready with modularization options
Pin Insertion Machines Overview (English)

Learn more about our Pin Insertion Machines, which are engineered to apply products from TE and other manufacturers to meet your diverse production requirements.

Applications

- Printed circuit boards (PCBs) + housings

Reeled Products Processed

- Press-fit contacts
- Solder contacts
- Pins and tabs
- Sockets
- Spring contacts
- Continuous wire
- F-Post
- Loose piece components on request

TE P Series

P550 Pin Insertion Machine

Engineered for high-volume PC board processing, our P550 Pin Insertion machine offers multi-head, high-speed performance at 5+ strokes/second on a 30mm pitch.

P360 Pin Insertion Machine

Our modular, high-speed P360 Pin Insertion Machine is engineered for high volume production and suited for a wide variety of line configurations.

P300 Pin Insertion Machine

The P300 automatic machine processes reeled press-fit and thru-hole components. As a stand-alone unit or in an SMEMA compatible production line, it increases throughput by lowering cycle times and scrap.

P10 Single Pin Insertion Station

Suited for repair of very low volumes and designed for convenience and ease of operation.

Features

Other

<table>
<thead>
<tr>
<th>Maximum Contacts (seconds)</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Unique Products</td>
<td>2</td>
</tr>
</tbody>
</table>
Related Materials

Catalog Section
TE Pin Insertion Machines
English

Catalog Section
Pin-insertion-and-Press-Fit-Machines_2-1773452-6
English