Our fully-automatic 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. A multi-tasking control unit controls and monitors the entire system throughout the production cycle and an optional insertion force monitoring system allows the verification of every component applied for quality assurance.

**Features**

*For Your Current and Future Tooling Needs*

- Board capacity up to 420 x 360mm [16.5" x 14.2"]
- Up to four insertion heads on automatic changer
- Tool conversion kit for changeover in less than 10 minutes (compatible with P100/P300/P360/P550)
- Freely programmable insertion angle (rotation of up to +/- 90-degrees has no influence on insertion rate)
- Insertion rate up to five cycles/second (up to three contacts per stroke)
- Single, double and triple 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
- Corresponding anvil changer is available for huge variety of supporting geometries
- 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
- Fully-automated, inline capable
- Up to two different contacts on one tool position with twin feed tool
- Touch screen provides simple programming and an intuitive operator interface
- Able to process any manufacturer’s reeled contacts (including Nano contacts)
P300 PIN INSERTION MACHINE
TE Model #: CAT-P300
TE Internal #: CAT-P300

- Contact bending feature allows for the bending of contacts up to 90-degrees
- PCB thickness tolerance compensation
- Full traceability capabilities
- Industry 4.0 ready with modularization options

P300 Insertion Machine (English)
The P300 is a fully automatic insertion machine for processing reeled press-fit and thru-hole components into PCBs. View a P300 Machine demonstration during Productonica 2013.

Applications
- Printed circuit boards (PCBs) + housings

Reeled Products Processed
- Press-fit contacts
- Solder contacts
- Pins and tabs
- Sockets
- Spring contacts
- Continuous wire
- F-Post

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.

P100 Pin Insertion Machine
Our semi-automatic P100 Machine was designed with a focus on mid-volume production and provides a broad range of features, including a touch-screen for simple programming and automatic setup.

P10 Single Pin Insertion Station
Suited for repair of very low volumes and designed for convenience and ease of operation.

Features
Other

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Related Materials

Data Sheet
2338136-1_Pin-Insertion-Catalog
English

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