

For Insertion Single Pins onto PCBs

Features

- Convenient and easy operation due to a touch screen monitor
- Single pins can be interchanged on a complete equipped PCB
- High insertion quality due to press cycle monitoring with PQM

Compatible Tyco Electronics Products

- ACTION Pins
- AMPMODU Contacts
- Cross Contacts
- EON Board to Board
- EON Board to Housing
- FEC Pins
- GDS Contacts
- Junior Timer
- Junior Power Timer
- MQS Pins
- PCB Contacts
- PCB Coupler
- Solder Tabs
- Spring Contacts
- Tabs

Further Products are possible to insert. Please contact your local Tyco Electronics representative for your special requirement.



The base unit consists of an arbour press with ratchet mechanism and a Press Quality Monitor (PQM).

The arbour press contains a retainer for the product specific insertion fingers also used on the tooling of Tyco Electronics insertion machines P300 and P350.

The Press Quality Monitor (PQM) provides real-time force/distance monitoring of the press cycle.

The result is a higher level of quality assurance for the pressing operation.

The PQM is supplied with a touch screen monitor and icon driven software for easy programming and operation.

The system monitors the press cycle for consistency of force based upon distance above the work surface to assure it is within requirements.

If a press cycle falls out of these tolerances (such as excessive force, a premature force, a missing force level by a height value, etc.), a visual alert informs the operator that the cycle should be stopped.

This will help to prevent a faulty application as well as damage to the components being applied.

Finally, the results of each press cycle can be serialized and stored to provide quality records of the entire production run.

When operating, a single pin is manually loaded into the insertion finger. The PCB is positioned on the support block and the pin is manually pressed into the board. The ratchet mechanism guarantees a correct insertion depth while the PQM ensures that the insertion force was sufficient.