

Semi-Automatic Terminal Insertion System

Zierick Manufacturing offers the Model 9700 semi-automatic terminal insertion system. The system handles medium volumes of Zierick's wide range of PCB terminals and connectors at rates up to 5,000 pph. It accommodates PCBs from 0.030inches to 0.120inches thick and up to 30inches square. The unit features an ergonomic interface. Easy set-up, alignment, and terminal changeovers are accomplished by a number of key equipment features including interchangeable applicator tooling, calibration tools for head to anvil alignment, fewer moving parts, and accurately machined mating surfaces. Modular tooling reduces downtime between terminal changeovers making it faster and easier for the operator to use. In addition, all controls and pneumatic parts are off-the-shelf components to facilitate maintenance and contribute to increased efficiency. The new system also features an automatic actuation system to improve productivity. A locator light assists positioning of PCB hole(s) over anvils. During the insertion cycle, all terminal legs are mechanically splayed and locked into place. An obstruction sensor prevents cycling if a foreign object interferes with operation.

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