



MPT-5 S/L Machine

Product Facts

- Single, dual and triple insertion
- Two-reel, two-product capability, with alternating feed capability
- Available as horizontal bench, vertical bench or independent module
- Module easily integrates into production lines using simple handshake signals
- Fine adjustment mechanism for insertion depth (.001 increments)
- Tube-type insertion tooling for standard SIAMEZE & LEAD-LOK terminals
- Microprocessor controlled operation
- Holding fixture for bobbin can be designed and built by Tyco Electronics or the customer.

MPT-5 S/L Machine for MagWire Coil Termination utilizing SIAMEZE and LEAD LOK Terminals

For quick, easy and reliable termination of magnet wire without pre-stripping the insulation or soldering, Tyco electronics offers the SIAMEZE and LEADLOK product family and the MPT-5 S/L (MAG-MATE Product Terminator) air-operated insertion machine with micro-processor control.

The MPT-5 S/L machine inserts a SIAMEZE terminal into a customer-designed cavity in the coil bobbin or similar mag-wire housing, terminating the wire and providing an I/O terminal or other connection. The MPT-5 S/L can insert both the SIAMEZE terminal and the LEAD LOK terminal to assure your lead wire connection.

Dual reel capability of the MPT-5 S/L allows insertion of two different SIAMEZE terminals, with the capability to alternate between inserting one and two terminals at a time. Two terminations per second are possible with dual insertion.

A fifth generation machine, the MPT-5 S/L is lighter and quieter than previous versions. It's available as a horizontal or vertical bench machine or as a discrete module for integration into automated lines. A fixture to hold the coil assembly, which is required for bench operation, can be designed and built by Tyco Electronics or the customer.

The MPT-5 S/L uses three or four air cylinders to feed terminals from one or both reels, cut terminals from the carrier strip, and insert terminals into the cavities. The display shows the operating conditions of the machine such as the batch count, total count, error messages, and ready state. The display allows the operator to step through the machine sequence or manually cycle the machine for set up or easy diagnosis of problems.

Solderless SIAMEZE Terminations

- No need to pre-strip the magnet wire
- No wire embrittlement due to solder
- No solder fumes
- Compact clean termination
- Perfect for automation
- Fast magnet and lead wire connections: Up to two per second with dual insertion