Application Tooling

Entry Level Semi-Automatic IDC Bench Machines

SIM 500P
Part No. **528376-2**

SIM 500T
Part No. **528377-2**

In the Entry Level concept, the application process is shared by two different semi-automatic machines.

The SIM 500P prepares the AMP multifitting Mark II bandoliered IDC connectors. The machine removes the connector from the chain and cuts the keying ribs.

Next, the prepared IDC connectors are applied by the SIM 500T.

To facilitate this, the individual IDC connectors are loaded into a nest and moved automatically into the termination station.

The manually inserted wires are, according to a program, terminated into the appropriate insulation displacement slots. The cover is then separated from the housing, turned and pushed into final position.

The nest, including the finished harness module, is removed from the easily accessed track.

SIM 500P

SIM 500T

Technical Features

- Processing of all versions of the AMP multifitting Mark II connector system with only minor set up changes.
- Cutting and reliable removal of the reel clips.
- Cutting and reliable removal of the coding and polarisation ribs by means of a preset cutting block.
- Nest capacity per machine cycle
  – one connector 4- to 8-pos.
  – two connectors 2- and 3-pos.
  – four connectors 1-position
- Integrated monitoring of the connector supply.
- Simple operator interface.

Technical Data

Power Supply:
230 V AC, 50 Hz

Air Pressure:
6 bar

Cycle Time:
approx. 4 s / connector package (without handling time)

Technical Features

- Application of all versions of the AMP multifitting Mark II connector, with only minor set up changes.
- Termination of the wire with active support of the IDC contact.
- Termination of two wires (double wire termination) programmable.
- Connector fixture, incorporating three nests for max. 12 positions each.
- Accessible and easily interchangeable mechanical program rail.
- By utilising several connector fixtures and program rails, output and set up times can be optimised.
- Simple operator interface.

Technical Data

Power Supply:
230 V AC, 50 Hz

Air Pressure:
6 bar

Cycle Time:
approx. 1.2 s / line (without handling time)

Products for Industrial & Commercial Applications

Dimensions are shown for reference purposes only. Conversion Rate: 25.4mm = 1 inch

Dimensions are in inches and millimetres unless otherwise specified. Values in brackets are metric equivalents.

Specifications subject to change.

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