

Application Tooling (continued)

IDC Harness Maker –
IHM Mark III

The new IHM Mark III is a very high performance, fully-automatic machine designed to manufacture parallel jumper harnesses using IDC technology.

The simultaneous feeding of up to 21 wires guarantees high productivity and flexibility and a choice of 2.5 mm or 5.0 mm pitch IDC systems.

The gripper unit on the left side of the machine is able to spread the wires in both directions to enable the production of harnesses using both 2.5 mm and 5.0 mm pitch connectors at the same time.

Available options are a stripper crimper unit with an integrated crimp force analyser and a good/bad sorting unit.

The IDC workstations are easily reconfigured for processing our different IDC connector systems. They include all the necessary processing operations for IDC termination with minimum change-over and set up times.

Quality checks integrated in the manufacturing process ensure the highest quality harness for every production run.

Technical Features

- Manufacturing of harnesses using 2.5 mm and/or 5.0 mm pitch IDC systems.
- Very short wire length is possible.
- Option available to produce harnesses with crimp terminals on one side.
- IDC Workstations are available for the following connector systems:
 - AMP DUOPLUG 2.5
 - AMP DUOPLUG 2.5 Mark II
 - AMP DUOPLUG Power
 - AMP multifitting Mark II
 - AMP MONO-SHAPE Mark II
 - AMP MT Edge
- The specific key coding of the IDC connector is done on the IDC Workstation.
- Integrated test equipment checks the coding and the insertion depth of the wire, and performs a continuity test. A spark testing unit is also available as an option.
- Operator PC interface displays machine status and production data; different languages available.
- Low maintenance costs and the capability of off-site troubleshooting via modem.
- Ergonomic and easy to operate through a Touch Screen Display.

Technical Data

- Power Supply:**
400 V AC, 50 Hz
- Air Pressure:**
6 bar
- Wire Size Range:**
0.22 mm² up to 1.5 mm²
- Wire Length:**
125 mm up to 2,200 mm
- Insulation Diameter Range:**
1.2 mm up to 3.0 mm
- Wire Type:**
Stranded conductors