

IHM Mk III Full Automatic IDC Mass Termination Machine

Features

- Modular processing equipment with interchangeable IDC stations
- Possibility to process 2.5 mm and 5.0 mm pitch in the same harness
- Extremely high output for processing up to 21 parallel wires in mass termination
- Very low set up times thanks to the fully modular design of the machine
- Fully integrated quality control system for insertion length and electrical continuity (high voltage test optional)
- Possibility to incorporate crimp contacts in the harness (including optional Crimp Quality Monitor and reject cutter)
- Each connector processing module is fully independent and contains all the process features necessary for the particular product (i.e. polarization/cover closing etc.)
- Easy maintenance
- Production assistance and trouble shooting via modem
- Simple and ergonomic operator interface with touch screen control



Technical Data

Footprint	12000 mm x 4900 mm (example with 21 wire feed system)
Wire length	min. 125 mm, max. 2800 mm
Wire cross section	0.22 mm ² - 1.5 mm ² , stranded
Electrical supply	400 V AC, 50 - 60 Hz
Pneumatic supply	600 kPa
Air consumption	approx. 200 NL/min
Instantaneous cycle time	4.3 s for 21 wire harness 1 m long

The new IHM Mk III is a flexible high performance fully automatic machine for mass jumper production. Interchangeable IDC-Workstations ensure the processing for different IDC connector systems within a short set-up time.

Compatible Tyco Electronics Products

IDC connector-systems:

- AMP DUOPLUG 2.5
- AMP DUOPLUG 2.5 Mk II
- AMP DUOPLUG Power
- AMP MT-Edge
- AMP multifitting Mk II

- The complete manufacturing process includes
- multiple wire feeding (up to 21 different wires)
 - connector loading (2.5 mm and 5.0 mm pitch)
 - mass termination of the wires
 - connector polarization and key cutting
 - quality control
 - cover closing and colour marking

The quality control system is integrated in the IDC connector stations and includes both insertion length and electrical continuity testing.