

Wave Soldering System

A/T/F

ATF 43

Lead-free ready



System:

- Belt-driven pallet conveyor
- Stainless steel foam fluxer
- Microprocessor controlled
- 3 IR-preheat zones, with Ceran glass cover
- PID control
- Lead-free ready solder pot, with removable flow ducts
- Dual wave, with direct driven solder pumps
- Solder pot roll-out unit
- Wave intermittent operation
- Meets VDE safety regulations

Options:

- Pumpless spray fluxer
- PCB Auto-Detect system
- Integrated filter above spray fluxer
- Convection preheater
- Insulated tunnel above preheater
- Automatic solder bar feeder
- Nitrogen inerting
- Cooling fans at machine unload end
- Pin code reader
- Interchangeable solder pot
- PC-software
- Assembly conveyor systems

Description Wave Soldering System ATF 43



System

- Sturdy steel base frame
- All modules constructed for easy maintenance

- Rigid hoods include antistatic safety glass allow full monitoring of working process
- 2 exhaust ducts, 1 over the flux area, the other over the solder area



Fluxer module

- Foam fluxer fitted as standard
- Whole unit is adjustable in height
- Air regulator pressure gauge and flow control valve

- o Spray fluxer with Auto-Detect (recognizes size and position of pcb)



Preheat module

- High efficiency IR preheater
- Fine adjustment of temperature
- Ceran glass cover for easy cleaning

- All values shown at digital display
- o Convection



Solder pot ready for Lead-free

- Stainless steel solder pot with ceramic coating
- Quick-lock solder pumps
- Pot installed with direct driven pumps (24V DC motors)
- Removable flow ducts and nozzles

- Solder temperature shown at digital display
- Solder pot roll-out as standard
- o Interchangeable solder pot



Solder wave

- Special designed solder flow decreases production of dross
- Separate Microprocessor controlled wave heights

- Dual wave fitted as standard (Lambda and chip nozzle)
- Special advantage of this system is the short distance between the first and second nozzle (35-40 mm)
- Wave intermittent operation



Conveyor

- Belt driven conveyor
- 24V DC drive motor
- Conveyor speed 0 – 2 m/min.

- 2 PCB carriers included
- Horizontal input and output section
- Adjustable conveyor angle 5-9°



Controls

- Microprocessor controller
- User friendly operation, multi langual
- Solder pot on/off timer
- Memory of 99 recipes

- o Pin Code reader
- o PC-software

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