

Wave Soldering System

A/T/F

ATF 43 F

Lead-free ready



System:

- Pin-chain/Finger conveyor
- Spray fluxer
- Integrated filter above spray fluxer
- 3 IR-preheaters, with Ceran glass cover
- Microprocessor controlled
- PID control
- Lead-free ready solder pot, with removable flow ducts
- Dual wave, with direct driven solder pumps
- Solder pot roll-out unit
- Fluxer and wave intermittent operation
- Meets VDE safety regulations

Options:

- Dual head spray fluxer
- Convection preheater
- Insulated tunnel above preheater
- Nitrogen inerting
- Interchangeable solder pot
- PC-software
- Assembly conveyor systems
- Motorized solder pot roll out unit
- Automatic solder bar feeder
- Cooling fans at machine unload end

Description Wave Soldering System ATF 43 F



System

- Sturdy steel base frame
- Rigid hoods include antistatic safety glass allow full monitoring of working process

- All modules designed for easy maintenance
- 2 exhaust ducts (above fluxer and solder pot)



Fluxer

- Spray fluxer capable for VOC-free operation
- Automatic board length detection
- Flux supply from pressurised container

- o Dual head spray fluxer



Preheat module

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

- All values shown at digital display
- 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 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

- Pin-chain/Finger conveyor over fluxer and preheaters
- Titanium fingers over the solder pot
- Closed-loop 24V/DC motors with speed alarm
- V-Fingers

- Conveyor speed 0 – 2,0 m/min.
- Adjustable incline conveyor 5-9°
- Horizontal input
- o L-Fingers
- o Finger mix



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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