

Aurel Model AF5-AF8

FORCE CONVECTION REFLOW SOLDERING SYSTEM



AF5-AF8

The AUREL AF5-AF8 reflow systems are designed for pre-drying of pastes in thick film technologies.

Standard Features

- Controls for Air/Nitrogen, RS232 port for printer and for external temperature profiler [optional].
- 4+4 or 7+7 zones Top and Bottom Heating full convection modules, long life blowers, long life and low consumption heating elements, modular design for easy service and cleaning.
- Cooling zone with Air/Nitrogen blowers, fan ventilators, exhaust aspiration, optional exhaust filtering 99.9% efficiency.
- Easy access to the machine hardware, removable panels, gas and pneumatic cylinders for complete opening of the muffle, UPS for product evacuation [optional], emergency stop buttons, interlock switches for total security, easy installation and moving by adjustable feet and wheels.

Applications

- Computer control with user-friendly software, Win operating system, temperature PID control, 1000 program storage.
- Alarms for over temperature, heaters/blowers-thermocouples failure, conveyor stop and muffle open. Week timer. Light tower for status indication.
- Entrance with adjustable barrels, curtains, aspiration chamber.
- 450 mm Stainless Steel mesh belt conveyor or [optional] combination Pin Chain/Mesh Belt conveyor, width 50 to 330 mm adjustable by hand wheel or motor [optional], SMEMA interface.

Specifications	AF5	AF8
Conveyor Belt width	450 mm	450 mm
Pin-Chain Conveyor width	50 to 330 mm	50 to 330 mm
Speed range	500 mm/min	800 mm/min
Temperature	300 °C	300 °C
Power rating	12 kW 16 kW 20 kW 24 kW	
Heating length	1500 mm	2600 mm
Heat-up time	30 minutes	40 minutes
Heating Zones	4 + 4 / 7 + 7	4 + 4 / 7 + 7
Cooling Zones	300 mm	300 mm
Power installed	32kW	56kW
Max electrical input [warm-up]	16kW	28kW
Average rating	8 to 12 kW	16 to 28kW
Approx weight	400 Kg	550 Kg
Utilities	380V 3/N 50 Hz	380V 3/N 50 Hz
Air	5 atm - 150 l/min	5 atm - 150 l/min