

The Hot Air Leveler 205LF has been developed to put a protection-layer of Lead Free on the copper tracks and pads of the printed circuit boards and to pre-solder the holes of the components.

A fluxed printed circuit board must be placed, using the foot-switch, into the clamp on the movable arm. As soon as the CYCLE button is pushed, an air-cylinder will move the arm downward and the printed circuit board will be dipped in the fluid solder. The board will remain in the solder depending on the adjusted dwell time. When the time has expired, the arm will move upward. The speed of the clamp arm is adjustable with reducing valves on the control panel.

PLC display for adjusting and changing various parameters.

During the upward motion, a pair of airknives will blow superfluous solder from the board and clean the holes. The airpressure can be adjusted with reducing valves on the control panel.

All adjustments effect the final result. Alteration of the adjustments can improve the final result.

The model 205LF is built to meet the current performance criteria. High quality, simple operation and maintenance at minimum costs is giving this machine access to both small and large volume production facilities.

TECHNICAL SPECIFICATIONS

Construction	:	All stainless Steel, except for standard components, Like pneumatic and electrical parts.
Dimensions	:	1770(W) x 630(D) x 2100mm(H).
Weight	:	± 480 kg.
Max. Panel size	:	610 x 610mm (24x24")
Capacity	:	100 -150 cycles/hour (limited by 23kW-heat package)
Power	:	3 x 380V. AC 50 Hz. 23kW.
Control	:	PLC, electro, pneumatic
Compressed air	:	6-8 bar (1¼" input line)

Exhaust	:	approx. 1200 m ³ /hour
Solder capacity	:	± 280 kg. SN100CL Electronic Quality recommended.
Solderpot	:	Overflowing innerpot with re-circulating pump. Spent flux overflow drain system.
Heating	:	Strip heaters, PID temperature controlled PLC, Low and high alarm.
Airknives	:	Stainless Steel: Self-cleaning; Adjustable orifice, distance, offset and angles. Front panel pilot controlled pressure regulation Release / lock mounting system.
Clamp actuation	:	Air cylinders pressurised, pneumatic foot-pedal operated. Positioning by 2-axis, dual linear bearing, Air cylinder driven system.
Clamps	:	Stainless Steel
Up/down movement	:	Pneumatic cylinder
Safety	:	Automatic operator safety window, safety switches on all Doors.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE