

CX800

Leading in Vapor Phase Technology

Premium Inline Vapor Phase Soldering Machine for High Volume

IBL



Features

- Fully automatic inline operation
- Built-in software profiling capability
- Production data can be stored (PTP)
- Temperature-regulated profiles drive a repeatable process
- Three internal process chambers with automatic airlocks
- Easy programming of solder data via intuitive touch screen display
- Two independent stations for loading and unloading of carries via IBL's cool handling system (no moving parts in the process chamber)
- A cycle time of under 20 sec. per board is possible
- Energy management system includes standby mode for lowest energy consumption
- Optional uninterrupted power supply

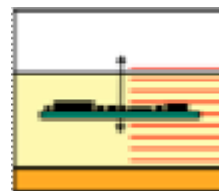
Soft Vapor Temperature Control (SVTC) and Pilot-Mode

- Wide range of easy-to-program, repeatable temperature profiles
- SVTC-Mode controls the temperature gradients by bringing the boards into pre-defined steps within the vapor phase
- Combines the patented SVP-Mode with a precise and repeatable temperature control for different PCBA package sizes and mass requirements
- Pilot-Mode enables reproduction of any specific solder profile for an assembly immediately
- Profiles can be monitored, recorded and reproduced independent of external influences such as loading conditions
- Integrated real-time board temperature profiling



Clear and flexible machine control

- Easy use
- 12,1" touch screen



Easily programmable vapor steps allow optimum adjustments of heat transfer in 20 steps

D1E127-Datasheet CX800 E-140423.doc

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Technical Data	CX800
Length (over all)	5.950 mm (incl. loading conveyor)
Depth	2.390 mm
Height	1.500 mm
Weight	2090 kg
Loading/unloading level, approx.	870 / 950 mm (variable)
Max. board size (manual loading / Batch)	826 x 680 x 65 mm
Max. board size (Inline)	680 x 510 x 45 mm
Liquid agent filling	45 kg
Water connection	1/2" / 2,5-5 bar/ 6,0l/min
Max. heating capacity of Vapor Phase heater	10,4 kW
Ø power consumption/h	5,3 kW
Power supply	400/230 VAC, 50/60Hz, 10,7kW (16,0kW)
Main fuse	32A, type "gL" or "C"

- Technical changes reserved

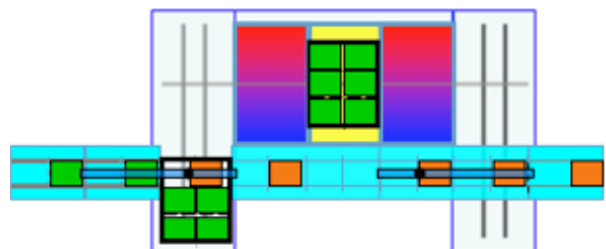
Standard Equipment / Specification

- Automatic loading and unloading of the carriers
- Integrated automatic loading and unloading conveyors
- 2 carriers multi line for 5 lines with middle support
- Automatic adjustment of work piece carrier rails and mid supports
- SMEMA-Interface
- Syncro Mode for repeatable process cycles
- SVTC Soft Vapor Temperature Control
- Pilot-Mode
- Integrated measurement channel
- Observation window to process chamber
- Heating control system
- Integrated cooling chamber for board cooling
- Automatic fluid level system
- Fluid recovery system
- Automatic liquid filtering
- Production status indicator lightpost
- Maintenance free transportation system
- Operation of integrated PC with TFT-Panel
- IR-Heaters

Options

- Siemens-Interface
- Cooling device (chiller)
- Batch carrier for manual operation
- Multi-Level-Mode
- 2 additional channels for thermocouple measurement (NiCrNi)
- VP-measuring electronics and software PTP
- Additional multi line carrier for 5 lines with middle support
- UPS (uninterrupted power supply)

Operation Diagram



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