

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
- Max. board size 625 x 825 x 80 mm

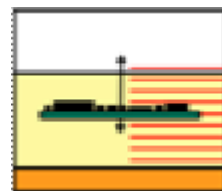
Soft Vapor Temperature Control (SVTC) and Pilot-Mode

- 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-13040

CX800

Leading in Vapor Phase Technology

Premium Inline Vapor Phase Soldering Machine for High Volume

IBL

Technical Data	CX800
Length (over all)	5.950 mm (incl. loading conveyor)
Depth	2.390 mm
Height	1.500 mm
Weight	2.090 kg
Loading/unloading level, approx.	870 / 950 mm (variable)
Max. board size (manual loading / Batch)	625 x 825 x 80 mm
Max. board size (Inline)	680 x 510 x 50 mm
Liquid agent filling	45 kg
Water connection	1/2" / 2,5-5 bar / 6l/min
Max. heating capacity of Vapor Phase heater	10,4kW
Ø power consumption/h	5,3 – 6,5 kW
Power supply	230/400 VAC, 16 kW
Main fuse	32A, Typ "gL" or "C"

- Technical changes reserved

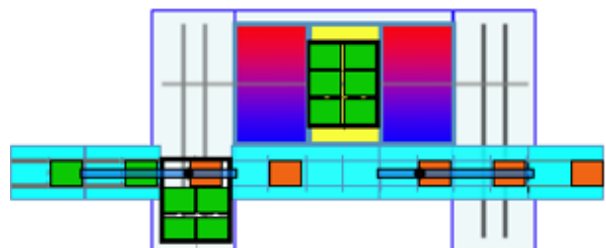
Standard Equipment / Specification

- 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

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)
- Trafo for 480V or 208V 3 phase

Operation Diagram



D1E127-Datasheet CX800 E-13040