

# CX600

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

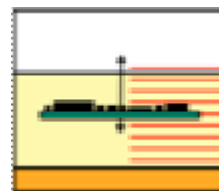
## Soft Vapor Temperature Control (SVTC) and Pilot-Mode

- 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

D1E126-Datasheet CX600 E-140423.doc

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Technical Data	CX600
Length (over all)	5.950 mm (incl. loading conveyor)
Depth	1.980 mm
Height	1.500 mm
Weight	1980 kg
Loading/unloading level, approx.	870 / 950 mm (variable)
Max. board size (manual loading / Batch)	680 x 646 x 65 mm
Max. board size (Inline)	680 x 305 x 45 mm
Liquid agent filling	40 kg
Water connection	1/2" / 2,5-5 bar / 5,0l/min
Max. heating capacity of Vapor Phase heater	6,4 kW
Ø power consumption/h	3,4 kW
Power supply	400/230 VAC, 50/60Hz, 6,8kW
Main fuse	20A, Typ "gL" oder "C"

- Technical changes reserved

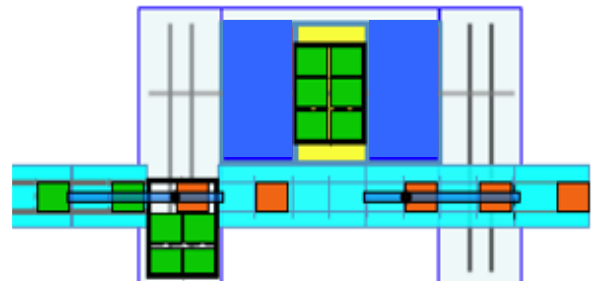
## Standard Equipment / Specification

- Automatic loading and unloading of the carriers
- Integrated automatic loading and unloading conveyors
- 2 carriers multi line for 4 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 (patented)
- 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 4 lines with middle support
- UPS (uninterrupted power supply)

## Operation Diagram



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