



Premium In-Line Vapor Phase Soldering



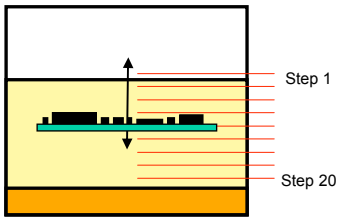
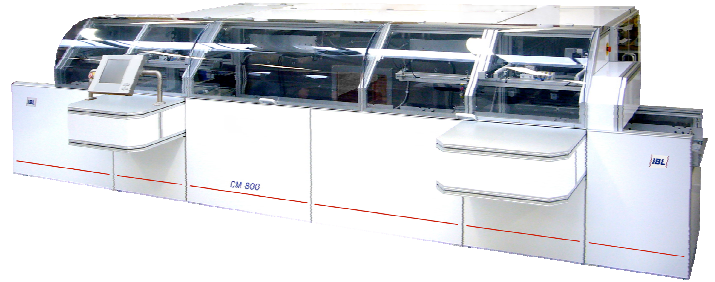
Machine for high Volume Production

Modes of Operation

Soft Vapor Phase Mode (SVP-Mode)

Soft-Vapor Phase is the ability to control the speed in which the board enters the vapor and holds it at different different positions. The board can be moved up or down within the vapor chamber.

All steps are programmable.



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

Automatic Mode

The solder automatic provides a reliable soldering performance and optimizes the residual time of the boards in the vapor phase to minimize thermal stress.

Documentation

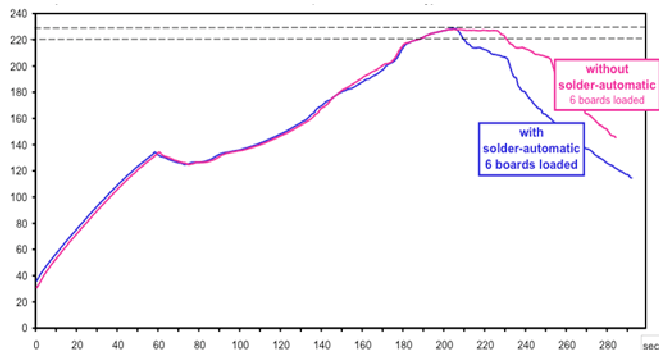
Production data can be stored using the IBL VP-Control Software.

Limitation of the time above liquidus

After the solder temperature is reached a timer will begin. The solder cycle will finish automatically after the adjusted time over liquidus.

Features

- Fully automatic in-line operation
- Three internal process chamber with automatic air locks
- Easy and straightforward programming of the solder data through touch screen Display
- Two independent stations for loading and unloading of the carriers with Cool Handling System
- Batch and in-line operation available
- Energy management system including standby mode for lowest energy consumption
- IR-heater unit (ideal for glue hardening, optional)
- Optional UPS (uninterruptable power supply)



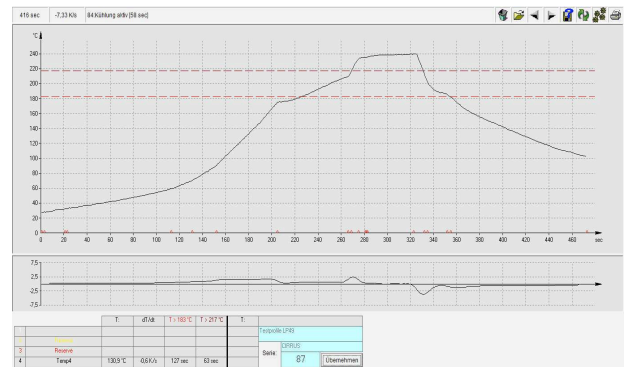


Standard Equipment / Specifications

- Automatic loading and unloading of the carriers
- Automatic loading and unloading of conveyors through work piece carrier
- SMEMA-interface
- IR unit for extended preheating
- Soft Vapor Phase (SVP) for soft temperature rise
- Soft Vapor Temperature Control (SVTC)
- Observation window into process chamber with integrated illumination of the soldering area
- Automatic liquid filtering
- Monitoring of the cooling water temperature
- Heater temperature control
- Integrated cooling chamber for board cooling
- Fluid level control
- Signal light posts (red-green-blue)
- Fluid recovery system
- Maintenance free transport
- Operation of integrated PC with TFT-Panel

Options

- Siemens-Interface
- Cooling device for closed loop machine cooling
- Additional batch carriers for manual operation
- Additional multi line carrier for 3 lines with middle support
- UPS (uninterrupted power supply)
- Full-Traceability option with integrated code scanner



Technical Data CM 800

Length (overall)	19.5 ft
Width	8.4 ft
Height	4.9 ft
Weight	2,000 Kg (4,409 Lbs)
Loading/Unloading level Approx.	870-950 mm (34"-37")
Maximum PCB size (manual Loading / In-line operation)	825 x 650 x 80 mm / 680 x 500 x 50mm (32" x 26" x 3" / 27" x 20" 20")
Liquid agent filling	30-35 Kg
Water connection	1/2"
Max. heating capacity of Vapor Phase heater / IR-heater / 0 power consumption	10.4 KW / 8KW / 5.5 KWh
Power supply / main fuse	400 / 230 VAC, 16KW / 32A, Type "gl" or "C"