

## Quotation:

### Vapour phase soldering machine SV 260



**Desktop unit.  
For laboratory and small-scale production runs.**

**VP soldering machine SV 260** (Art. No. 90091)  
Without liquid agent filling

#### 1. Description

This system was developed for users who have an occasional requirement for condensation reflow soldering; small production runs, or who those would like to use Vapour Phase for repairs. The SV 260 is an 'economy' type machine, whereby the whole heat process is accomplished with the vapour. (IR pre-heat and RCS cooling not included).

The machine is not equipped with additional options like IR-Preheaters or RCS cooling, which are a characteristic of the more comfortable equipped machines of the SLC and BLC series. Heat up and soldering time can be controlled either manually or with built-in automatic timer. The soldering process can also be ended through the user at any time.

Even if the machine is very small, it is built as a double chamber machine and can be seen as fully functional vapour phase soldering machine. The system consists of 2 chambers, one for the vapour phase process, one for cooling.

The design of the cooling chamber with heat exchangers on the inside minimizes chemical loss and keeps operating costs low.

Machine is ready for use after approximately 15 min.

## 2. Standard Equipment / Specification

- 1.1 Automatic internal air lock.
- 1.2 Observation window to process chamber.
- 1.3 Integrated lighting of soldering area.
- 1.4 Temperature monitoring the cooling water.
- 1.5 Temperature control of heater surface with thermocouple.
- 1.6 Level control of vapour.
- 1.7 Cooling chamber for board cooling .
- 1.8 Automatic fluid level indicator.
- 1.9 Program storage.
- 1.10 Integrated heat exchanger for minimising the drag out of liquid agent.
- 1.11 Variable energy level set-up.
- 1.12 Maintenance free transport system. (Patented).
- 1.13 Solder-automatic.

## 3. Options

- 90100 Thermocouple installation for on-line measurements during soldering (typ-K, 1 channel)
- 90103 Thermocouple, Type-K, with plug, 1000 mm
- 90105 Stainless steel grid for the WPC, grid space 2 mm
- 90109 Adapter unit for double sided reflow (two rails)
- 90111 ReSy device licence, for repair of QFP's and BGA's, (Patented)
- 90112 Special adhesive for ReSy
- 90094 Machine table, mobile, with deposit compartment
- 91013 Cooling device C15 for closed loop machine cooling (no external water supply needed, indoor application), can also be build in into the machine table, outdoor application on request

## 4. Technical data

### **Machine type:**

### **SV 260**

Length	760 mm
Width	720 mm
Height	600 mm
Weigth (approx.)	50 kg
Max. PCB size	300 x 260 x 80 mm
Liquid agent filling (min)	3kg
Water connection	1/2"
Max. heating capacity of agent heater	1,8 kW
Ø power consumption/h	0,8 kWh
Power supply	230 VAC, 2 kW
Main fuse	16A, Typ "gL" or "C"

Technical changes reserved