



## Quotation:

### Vapour phase soldering

# MiniLab

### Desktop unit for laboratory and rework

#### **VP soldering machine MiniLab** (Patent pending) (Art. Nr. 90542)

Without liquid agent filling

#### Standard Equipment / Specification

- Observation window to process chamber
- Variable energy level set-up
- Solder-automatic
- Integrated lighting of soldering area
- Temperature monitoring of the cooling water
- Temperature control of heater surface
- Automatic fluid level indicator
- Integrated heat exchanger for minimising the drag out of liquid agent
- Standby-mode
- Maintenance-free transport system (patented)



Even if the machine is very small, it must be seen as a fully functional vapour phase soldering machine. This system was developed for users who have an occasional requirement for condensation reflow soldering; product developers, small production runs, or who those would like to use Vapour Phase for repair.

## Options:

### Rework-device ReSy

**Patented procedure for repair of SMD components like QFPs or BGAs**

#### Step 1

In cold state the desoldering stamp is fixed to the component with a high temperature adhesive tape. Then the whole unit is transported into the vapour phase area.

#### Step 2

After melting of the solder joints the component is automatically lifted from the board.

The component and the board will not be damaged and can be used again.

#### Step 3

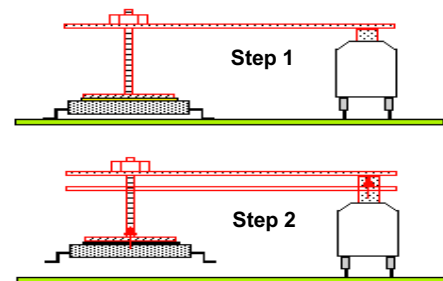
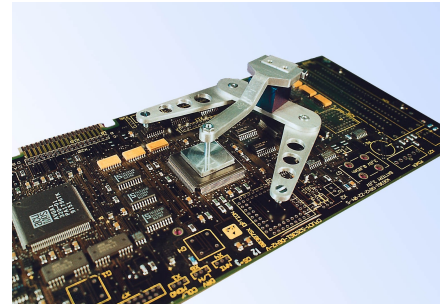
After the rework-device has been cooled down it can be used at once again.

Part Nr. 90111

[ReSy-device license, \(Patented\)](#)

Part Nr. 90112

[Special adhesive for ReSy](#)



### Adapter unit for double sided reflow

Reliable double-sided reflow is possible due to the vibration free transport system of **IBL** machines. Additionally we offer an adapter to put on the carrier to keep distance between board and carrier if necessary.

Part Nr. 90541

[Adapter unit for double sided reflow](#)

#### Delivery time:

Delivery takes place approximately 4 weeks after the order is placed, if not otherwise agreed.

#### Price:

Ex works, excluding packaging and transportation. Set-up and installation are extra. Plus applicable taxes and duty fees.

#### Validity:

We will honour this offer for eight weeks.

#### Guarantee:

12 months after delivery, one shift run.

#### Terms of payment:

50 % when the order is placed, 50 % after delivery.

#### Technical data:

Length x Width x Height	730 x 600 x 600 mm
Weight (approx.)	50 kg
Max. PCB size	300 x 275 x 60 mm
Liquid agent filling (min)	2kg
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**

In as much as another agreements have not been expressly made on individual points, our terms of delivery and payment remain in effect.