

Vapor Phase - Soldering

Mini-Condens-IT

Jumbo-Condens-IT



- *Tabletop - Toploader*
- *Suitable for BGAs, Stacked Packages*
- *Prozesschamber with window*
- *Oxygenfree soldering*
- *Homogeneous temperature transfer to whole assembly*
- *No overheating of components*

Condens IT

The IMDES CONDENS - IT is designed for reflow soldering of printed circuit boards on a smaller scale, for individual pieces, small piece numbers and small batches.

It has been specifically designed for prototyping and processing of BGAs and LGAs.

Due to its small footprint, it is quickly ready for use and at the same time ensures the highest soldering quality.

Technical data

	Mini	Jumbo
Permissible voltage:	220-240 Volt / 50-60 Hz	220-240 Volt / 50-60 Hz
Max. Power:	1000 Watt (approx.. 5 A)	1500 Watt (approx.. 6 A)
Size:	400 x 315 x 305 mm (LxHxW)	605 x 385 x 450 mm (LxHxW)
Max. Solder-Size:	240 x 170 x 20 mm (LxHxW)	430 x 230 x 20 mm (LxHxW)
Standard cycle time:	10 minutes	15-20 minutes
Soldering duration:	approx.. 60-90 seconds	approx.. 60-90 seconds
Process temperature:	210 – 240 °C	210 – 240 °C
Weight:	6 kg	12 kg
Cooling:	Forced ventilation	Forced ventilation
Resources:	Galden with max. 240 °C boilingtemp.	Galden mit max. 240 °C boilingtemp.
Capacity:	approx.. 450-500 ml Galden	approx.. 600 ml Galden

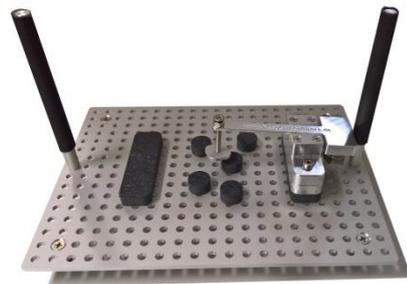
Advantages of Reflow-Vapor phase:

- Vapor is directly connected to the process liquid
- Vapor temperature is equal to boiling temperature (of evaporated process liquid)
- No oxidation during soldering (no protective glass needed)
- Simple and stable process
- Prozesslimits are defined only by physical laws
- Simple and manageable systems engineering

Desoldering

With the Condes-IT vapor phase, it is not only possible to solder modules, rather desolder multipole SMDs or BGAs in a process-safe and gentle manner.

The desoldering device works like a seesaw. On one side, the component to be desoldered is fixed by a double-sided heat-resistant adhesive tape. Afterwards the assembly is heated with the desoldering device in the vapor phase. The weight on the other side of the seesaw raises the component as soon as the solder paste has reached the melting point.



Prices: state 2017

Condens IT Mini 1.500,00 EUR plus VAT

Condens IT Jumbo 2.200,00 EUR plus VAT