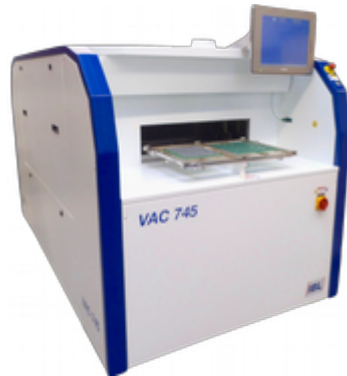


Premium Vacuum Vapor Phase Machine

For Highest Challenges

VAC745/765



The **VAC 745/765** (available as batch or inline) combines the advantages of the vapor phase with the vacuum process and guarantees **void-free solder joints** with highest quality. The soldering system operates in a completely **inert atmosphere during the whole reflow and vacuum process**. Many patented features are available and provide a wide range of flexibility. The machine promises oxygen-free soldering and no overheating of components. In addition, the power consumption of the machine is very low.

- ✓ *Comfortable operation with 15" Touch Windows HMI Screen*
- ✓ *Permanent data collection with integrated Windows-PC*
- ✓ *Unlimited program memory*
- ✓ *Wide variety of adjustable solder profiles*
- ✓ *Low fluid consumption with 2-chamber design and medium recovery*
- ✓ *Integrated cooling fan*
- ✓ *Minimum maintenance and wear due to „cool handling“ (all moving parts outside the process chamber)*
- ✓ *4 internal channels for comfortable temperature measuring and profiling*
- ✓ *Energy management system*
- ✓ *Medium level check*
- ✓ *Automatic medium filtering*
- ✓ *Automatic carrier in- and output*
- ✓ *Network capability*



## Options

- RCS Rapid Cooling System (*patented*)
- IR heater system (*patented*)
- TRS – Temperature recording software and analysis for convenient documentation and fine adjustment of the process
- Barcode-system for automatic program change, traceability
- Measurement channels for board temperature recording
- Multi-Level-Mode for easy changeover between different solder heights
- Adapter for double sided PCB's
- UPS, uninterruptible power supply
- Inline-handling (*patented*)
- Closed-loop-chiller
- Additional cooling fan
- IPSC – Pilot-mode for temperature controlled soldering process incl. measurement channel for PCB-Temperature recording

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For Highest Challenges





VAC745/765

| Technical Data                 | VAC745                      | VAC745i           | VAC765                      | VAC765i           |
|--------------------------------|-----------------------------|-------------------|-----------------------------|-------------------|
| Length                         | 1355 mm                     | 2040 mm           | 1355 mm                     | 2040 mm           |
| Depth                          | 2400 mm                     | 3040 mm           | 2810 mm                     | 3450 mm           |
| Height                         | 1470 mm                     | 1470 mm           | 1470 mm                     | 1470 mm           |
| Weight                         | 1030 kg                     | 1290 kg           | 1200 kg                     | 1450 kg           |
| Loading/unloading level        |                             | 900 – 1000 mm     |                             | 900 – 1000 mm     |
| Max. board size batch (in mm)  | 635 x 444 x 70 mm           | 635 x 444 x 70 mm | 635 x 644 x 70 mm           | 635 x 644 x 70 mm |
| Max. board size Inline (in mm) |                             | 630 x 400 x 55 mm |                             | 630 x 400 x 55 mm |
| Medium agent filling           | 40 kg                       |                   | 60 kg                       |                   |
| Water connection               | 1/2" / 2,5-5 bar, 5l/min    |                   | 1/2" / 2,5-5 bar, 6l/min    |                   |
| Max. heating capacity          | 10,4 kW                     |                   | 13 kW                       |                   |
| Ø power consumption/h          | 5,5 kW/h                    |                   | 5,8 kW/h                    |                   |
| Power supply                   | 400/230 VAC, 50/60 Hz, 11kW |                   | 400/230 VAC, 50/60 Hz, 16kW |                   |
| Main fuse                      | 32A, Typ "gL" or "C"        |                   |                             |                   |
| External vacuum module         | 900 x 540 x 620 mm, 140 kg  |                   |                             |                   |

- Technical changes reserved -

### SPECIAL FEATURES

-  IPS, Intelligent Profiling System incl.
  - Soft Vapor Temperature Control (SVTC), temperature regulated process
  - Pilot Mode, set-up and profiling in one step
-  Automatic monitoring of vacuum pressure
-  Built-in software profiling capability
-  Syncro-Mode

-  Lead-free and leaded soldering with one fluid only, with different maximum temperatures
-  Vacuum process in the vapor phase for void-free soldering (patented)
-  Easy access to process chamber
-  Maintenance-free transport system (patented)