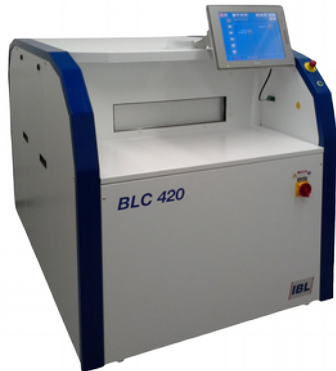


Premium Vapor Phase Machine

For Highest Challenges

BLC



**New Design** in different sizes and with **small footprints**, this is the **BLC** series. Cost-saving due to the **2-chamber design** and innovative because of the **big touch-screen monitor** with new and **easy handling software**. Available as **batch or inline** the machine is perfect for medium to high volume production. The system promises oxygen-free soldering and no overheating of components. **Maximum solder quality** and **flexibility** are provided by countless patented functions. The BLC machine is not only popular for its look and quality, but also for the **low power consumption**.

- ✓ Comfortable operation with 15" Touch Window HMI Screen
- ✓ Permanent data collection with integrated Windows-PC
- ✓ Unlimited program memory
- ✓ Wide variety of adjustable solder profiles
- ✓ Low medium 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 temperature-sockets for external plugging of measuring device
- ✓ 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
- Closed-loop-chiller
- Additional cooling fan
- IPSC – Pilot-mode for temperature controlled soldering process incl. measurement channel for PCB-Temperature recording
- Heater element monitoring

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| Technical Data                                       | BLC420                | BLC620               | BLC820            | BLC420i           | BLC620i           | BLC820i           |
|--|-----------------------|----------------------|-------------------|-------------------|-------------------|-------------------|
| Length (over all)                                    | 1060 mm               | 1260 mm              | 1460 mm           | 1820 mm           | 2020 mm           | 2220 mm           |
| Depth  | 1960 mm               | 1960 mm              | 1960 mm           | 2490 mm           | 2490 mm           | 2490 mm           |
| Height   | 1320 mm               |                      |                   |                   |                   |                   |
| Weight   | 520 kg                | 650 kg               | 780 kg            | 750 kg            | 920 kg            | 1070 kg           |
| Max. board size<br>Batch (in mm)                     | 450 x 540 x 80        | 650 x 540 x 80       | 850 x 540 x 80    | 430 x 400 x 65    | 630 x 400 x 65    | 630 x 400 x 65    |
| Medium agent filling                                 | 16 kg                 | 20 kg                | 25 kg             | 16 kg             | 20 kg             | 25 kg             |
| Water connection                                     | 1/2" / 2,5 – 5 bar    |                      |                   |                   |                   |                   |
| L/min  | 3,0                   | 3,0                  | 3,5               | 3,0               | 3,0               | 3,5               |
| Max. heating of<br>capacity of vapor<br>phase heater | 6,4 kW                | 7,8 kW               | 10,4 kW           | 6,4 kW            | 7,8 kW            | 10,4 kW           |
| Ø power<br>consumption / h                           | 2,6 kW/h              | 3,2 kW/h             | 3,6 kW/h          | 2,6 kW/h          | 3,2 kW/h          | 3,6 kW/h          |
| Power supply   | 230/400 VAC, 50/60 Hz |                      |                   |                   |                   |                   |
| Main fuse  | 20A "gl" oder<br>"C"  | 25A "gl" oder<br>"C" | 32A "gl" oder "C" | 20A "gl" oder "C" | 25A "gl" oder "C" | 32A "gl" oder "C" |

- Technical changes reserved -

### SPECIAL FEATURES

IPS, Intelligent Profiling System incl.  
- Soft Vapor Temperature Control (SVTC)  
- Pilot Mode, set-up and profiling in one step

Built-in software profiling capability (TRS)

Maintenance-free transport system (patented)

Lead-free and leaded soldering with one medium  
only, with different maximum temperatures

Easy access to process chamber

Syncro-Mode