# VP6000 Machine Specification

**Basic model with standard equipment:**

- integral frame construction
- sheet steel casing, powder coated RAL 9002 / RAL 3001
- multi chambers unit with automatic lock
- oxidation free preheating zone
- oxidation free soldering zone
- external heating
- external cooling system
- vacuum chamber in process zone
- frequency controlled vacuum pump unit
- controllable booster heating installed in the vacuum hood
- Exhaust with connection
- manual drive in and drive out station for work piece carrier
- automatic permanent filtration system for medium [without pump]
- quick filter change unit
- automatic lock between process and cooling zone.
- optical process control **(OPC)**
- observation window
- internal lighting
- cooling zone with convection cooling, flux managment and filter
- system cooling unit for connection with fresh water supply
- integrated menu-driven control unit
- front panel with Colour-Touch-Screen display
- Automatic Solder Break recognition
  **(ASB** = AUTOMATIC-SOLDER-BREAK**)**
- Automatic control of temperature gradient
  **(TGC** = temperature-gradient-control**)**
- Complete control and full programmability of all process parameters
  **(ETR** = ENERGY-TRANSFER-RATE)
- program memory for 250 soldering programs
- failure indicator
- system software - German and English
- signal light mast

| **Technical Data** | VP 6000 |
|---|---|
| Max. solder product format | 600 x 400 mm |
| Max. height of solder product | 80 mm |
| Energy supply (V) 3+N+PE | 400 V / 50 Hz |
| Power drawn | 15,5 kW |
| Average power consumption with full load | 4 kWh |
| Average power consumption at standby | 2,5 kWh |
| Compressed oiled air | 6 bar oil free |
| Medium consumption ca. | 15 - 20 g/h |
| Medium basic filling quantity | 30 kg |
| Heating-up time | 30 min |
| Aspiration power | 200 m³/h |
| Cooling water inflow | 1 x tube ½" |
| Cooling water reflow | 1 x tube ½" |
| Cooling water pressure | 2 – 4 bar |
| Cooling water (during operation with fresh water) | 10 – 18 °C |
| Final Vacuum | 40 mbar |
| | 2 KW |