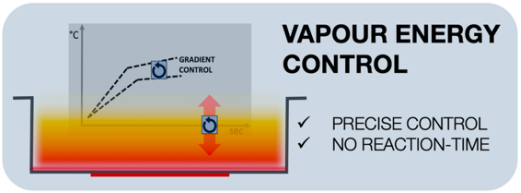
Powerful Inline Vapour Phase Machine



The CCS100 is a compact high-performance inline system which was designed for the 24/7-operation. The line capable system convinces by its high process flexibility, extraordinary high productivity and solder quality.
With the applied multiple-carrier system the machine is meeting the requirements of mid- to high-series productions, further new developed systems as well as the modular structure are lowering the maintenance efforts und lead to a very high machine availability.
The modern machine control allows precise process control as well as anytime visible process values and steps. The data management takes place by an integrated industrial PC and the visualization is realized by a 21,5”-HMI panel. This means that the CCS100 can easily be connected to customer´s side networks offering wide possibilities and features for Traceability and process data collection.
Furthermore, a new benchmark in the field of process technologies for vapour phase soldering systems was set with the newly developed, patented Vapour Energy Control (VEC). As a result, the machine realises a very flexible and responsive control system with which any type of profile can be set and repeated - withoutthe movement of the PCBs in the vapour.

Machine features:

- Multiple-carrier system with variabel lane configuration of the work piece carriers
- Work piece carrier return transport
- Modular design, multi-zone construction with upstream buffer and downstream cooling zone
- Powerful bottom cooling for board cooling after the soldering process
- Efficient Maintenance System with Galden levelling and filtering system
- Maintenance-friendly design
- Heat exchanger systems for efficient fluid recovery
- Automatic lane width adjustment of the conveyor systems
- Automatic loading and unloading of the boards

Controller features:

- Comfortable operation through 21,5” HMI touchscreen display
- Permanent data collection and network capability by in-built industrial PC
- Vapour Energy Control (VEC) process control enables simple and targeted profile realization
- Automatic process data monitoring
- Energy monitoring
- Password-protected user interface
- SMEMA-interface for board handshake
- Signal light tower for the indication of the machine status

Options:

- Automatic lane width adjustment of the work piece carriers
- Work piece carrier to extend the troughput
- HD-Option for heavy solder applications
- Transparent covers
- UPS, uninterruptibly power supply
- Upgrade of the Efficient Maintenance System by a fast cooling system with extended filtering
- Redundant thermo couples for the process control
- IPC-Hermes interface / Traceability
- Additional emergency stop switches on the back of the machine
- Transport rolls for simple moving of the machine
- Cooling device for the cooling water supply (internal and external installation available)
- Wireless measuring system for the recording of thermal profiles (6 channels)

Simple access

Technical data:

	CCS100
Length	5820 mm
Depth	1800 mm
Height	1670 mm
Fixed cheek	805 mm
Weight	2000 kg
Usable PCB format , length	80 – 1000mm
Usable PCB format , width (work piece carrier without mid support)	50 – 500mm
Usable PCB format , width (work piece carrier with mid support)	100 – 500mm
Edge support PCBs	3 mm (6 mm with HD-Option)
Standard fluid filling amount (Galden)	60 kg
Power supply	400/230 VAC 50/60 Hz 3 Phases, Neutral and PE
Connecting power	9 kW
Max. heating power	7 kW
Average power consumption	5,6 kW/h
Protection / circuit breaker	25A „gl“ or „C“
Water supply	½“ 2,5 – 5 bar
Exhaust connections	2 x ø150mm

Technical changes reserved

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