VAPOUR PHASE SOLDERING

CIF VS-500 V

Vapour phase reflow soldering system

PCBs up to 500 × 500 × 60 mm | Inert atmosphere (Galden®) | Vapour recovery system | Up to 10 temperature stages | Reduced voids



OVERVIEW

The **CIF VS-500 V** is a compact vapour phase soldering machine that solders even the most complex PCBs, up to 500 × 500 × 60 mm. Vapour phase soldering gives uniform heat transfer without oxidation, high reliability and minimal defects.

Soldering quality comes from the inert atmosphere created by the heat transfer fluid (Galden®), an exceptionally uniform temperature across all components, no possibility of operator error during the cycle, and reduced void formation.

Main applications: SMD soldering of all types of PCBs, conductive adhesive processing, and rework (desoldering and resoldering).

KEY FEATURES

Vapour recovery
unique recovery system that greatly reduces Galden® consumption and production costs

Inert atmosphere
excellent soldering quality, reduced voids

Industrial chiller
high-performance chiller (SMC®) included

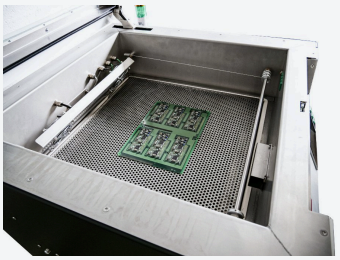
ESD and signalling
ESD design and light signal column

Uniform temperature
exceptionally uniform across the entire working area compared to other soldering technologies

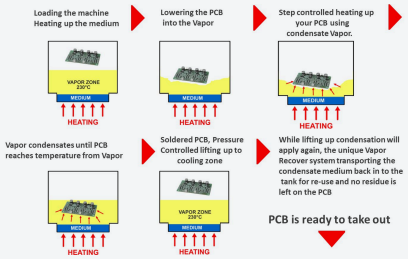
Pressure compensation
compensates pressure fluctuations inside the process chamber

Process control
up to 10 temperature stages, real-time reflow profile display, 4 type K thermocouple connections

Fast return on investment
high capacity for mixed production, reduced energy consumption



Process chamber with PCB loading



Working principle with vapour recovery

TECHNICAL SPECIFICATIONS

Part Number	V900330
Maximum PCB Dimensions	500 × 500 × 60 mm
Maximum Load	2 kg
Heat Transfer Fluid Capacity	5 kg
Temperature Stages	up to 10
Thermocouple Connections	4 × type K
Dimensions (L × W × H)	830 × 775 × 1140 mm
Installed Power	7.5 kW
Electrical Supply	3 × 400 V + N, 50 Hz

OPTIONS AND ACCESSORIES

Galden® heat transfer fluid HS260, 5 kg	**V800093**
Galden® heat transfer fluid HS240, 5 kg	**V800094**
Galden® heat transfer fluid LS230, 5 kg	**V800096**
Galden® heat transfer fluid LS215, 5 kg	**V800117**
Galden® heat transfer fluid LS200, 5 kg	**V800108**
Universal frame for double-sided PCBs	**V800100**
Set of 4 castor feet	**V800099**
Cleaning kit	**V700092**
Ethernet data connection	**V800103**

Configuration, demo and quotation

InterElectronic supplies CIF equipment in Hungary and Central Europe: application advice, installation, training and service.

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Specifications according to CIF (France). Subject to change without notice.