



Wave Soldering System GoWAVE 1030

Compact and Future-Oriented: GoWAVE 1030

- **Flexible and powerful.**
- **Quality soldering due to production-proven technology and innovative nozzle geometries.**
- **User-friendly.**
- **Monitoring and control of all process relevant functions.**
- **Management data system according to ISO 9000.**
- **Compact machine technology with microprocessor control.**

The wave soldering system GoWave 1030 is a powerful soldering system for those just entering into mass-soldering operations. The system is suited for soldering of small or medium-sized batches and also provides an economical solution for universities, schools and laboratories.

A special feature of this machine is its compact, but performance-oriented design. The GoWave 1030 therefore enables an economical, automatic wave soldering process at simultaneously low costs.

The system's design provides the same basic technology found in SEHO's large wave soldering machines. Offering a fluxing module, an efficient and powerful preheater, an innovative soldering area and a microprocessor control, this system presents the finest soldering technology in its class.

The Fluxing Area: High Precision With Low Maintenance Requirements

The fluxing unit of the GoWave 1030 consists of an ATS spray fluxing module, ideally suited for the processing of low-solid fluxes. The precise spray head ensures a reliable application of flux.



The ATS spray fluxing module reduces the flux consumption remarkably and therefore contributes to corresponding cost reductions. Simultaneously this fluxer is featured with low maintenance requirements, operating as closed system.

The Soldering Area: Innovative Solder Nozzle Concept

The heart of the GoWave 1030, the soldering area, is featured with a flexible configuration and therefore the system may be used for nearly all soldering tasks.

As a standard, the solder bath is already provided with a protective composit coating, developed by SEHO, which is ideally suited for the processing of leadfree solder alloys.

The GoWave 1030 is particularly featured with its innovative nozzle concept. The Delta soldering nozzle, for example, offers the advantage of a long contact time and good wave consistency. Additionally, a Chip wave may be integrated which assures soldering of complex SMD geometries with its high kinetic energy.

For solder alloys which require a high flow dynamic or for complex assemblies, is the EnergyWave45 solder nozzle available. This nozzle geometry with a defined solder flow reduces solder bridges to a minimum and simultaneously avoids shadowing.

All solder nozzles, of course, are suitable for leadfree applications and can be removed quickly and easily for servicing. The solder pump is driven by an electronically controlled motor.

To achieve an ideal peel-off, the conveyor angle at the solder wave may be adjusted manually between 5° and 7°, depending on the application.



**The Control Unit:
Easy To Operate**

The integrated microprocessor control with LCD display makes for easy programming of the system and ensures reproducibility of all soldering processes.

The control unit, which is easy to operate, monitors the machine functions and reliably controls all key process parameters. The wave soldering system GoWave 1030 has a 10-soldering program storage capacity and provides quick and easy change of parameter settings for soldering different assemblies in sequence.

To achieve a higher energy transfer especially when processing high-mass printed circuit boards, the control unit may be programmed to stop the assemblies in the preheat zone.



The user has the option of printing out the machine settings and actual process parameters for each run processed. The control unit also meets the demand of modern management- and process data systems. The data acquisition supports production to ISO 9000 guidelines.



One-Person-Workstation
GoLean 1030

**Make Your Production Flexible:
GoLean 1030**

The GoLean 1030 is a highly flexible one-man-workstation with integrated wave soldering system GoWave 1030. This system ideally suits into a Lean Production concept.

The GoLean 1030 production concept is featured with profitability, especially in case of a large number of different products or frequently changing production numbers.

The user places the assemblies to be processed on an inlet conveyor module. Then, those assemblies are fluxed, preheated and wave soldered. After the soldering process, the assemblies are taken over by a lift station and transported back to the user underneath the machine.

Technical Data

Working width	300 mm (11.81 inch)
Max. component height	100 mm (3.94 inch)
Solder pot volume (approx.)	170 kg (SnPb) / 140 kg (SnAgCu)
Preheater capacity	3 kW
Conveyor angle	5 - 7°

Conveyor speed range	0.5 - 1.8 m/min.
Exhaust requirement	2 x 250 m³/h
Supply voltage	230/400 V, 50 Hz
Power requirement	8 kW
Dimensions (l x w)	2200 x 830 mm (86.6 x 32.7 inch)

Equipment Features

Solder frame conveyor system	●
Left to right operation	●
ATS spray fluxer	●
1 preheat zone - IR with ceramic glass cover	●
Delta solder nozzle	○
Chip solder nozzle	○
EnergyWave45 solder nozzle	○
Composit coated solder bath for leadfree solder alloys	●
Integrated exhaust fan	○

Microprocessor control with LCD display	●
10 solder program storage capacity	●
Interface for printer	●
Timer	●
Management data system following ISO 9000	●
Closed-loop control for conveyor and preheater	●
Interval functions	●
Support frame	○
Accessories (cleaning set, tool for taking out nozzles etc.)	●

Further options upon request. ● Standard ○ Option



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