



Vitronics Soltec



MYSELECTIVE 6748/6749

SELECTIVE

SOLDERING PLATFORM



MYSELECTIVE 6748/6749

A SELECTIVE SOLDERING PLATFORM BENEFITS

IS IT TIME FOR A CHANGE?

Are you still soldering connectors and leaded components in pallets on wave soldering machines? Are you spending too much money on custom pallets, waste, flux, and dross? Are you having trouble doing pin-in-paste in your reflow system and losing costly product to thermal damage? Are you still hand soldering and suffering from high labor costs and inconsistent quality?

INDIVIDUAL SOLDER JOINT OPTIMIZATION

mySelective 6748/49 brings a new dimension to selective soldering technology. It's what you need today to meet the growing challenges of high yields, cost-efficient production, and process control. Although wave and reflow soldering use the same settings for all solder connections, mySelective 6748/49 offers the ability to solder each joint under its optimum process parameters. In-line fluxing and preheating reduce robotic soldering cycles. The machine's architecture allows it to assume an optimized configuration to accommodate the appropriate process parameter settings for each individual application.

HIGH MIX/HIGH VOLUME PRODUCTION

mySelective delivers high-volume production in a high-mix environment. Combined SelectWave and MultiWave soldering technology, plus on-the-fly reconfigurability, give mySelective unmatched process flexibility. Plus, in-line fluxing and preheating reduce robotic soldering cycle times for faster, more efficient process cycles. mySelective's MultiFlux system and rapid-responding preheaters enhance speed and efficiency in this robust, adaptable system.

2 MODELS, 2 PCB SIZES

mySelective 6748 is a selective soldering system, capable of handling PCB's up to 410 x 410 mm (16 x 16 Inch). Larger size PCB's, up to 508 x 610 mm (20 x 24 Inch), can be handled by mySelective 6749.

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A **DOVER** COMPANY



- High Mix/High Volume
- High Repeatability
- MultiWave/SelectWave
- MultiFlux Flexibility

- Reconfigurable
- Securegrip
- Flexible Preheat

MYSELECTIVE FEATURES

100% CONFIGURABLE

- Programmable MultiFlux ensures repeatability
- Multiple preheating zones for optimum temperature profiling
- MultiWave solderpot reduces soldering cycle time
- Flexible SelectWave optimizes individual solderjoint quality
- Robot with securegrip for speedy process steps

RELIABLE TRANSPORT SYSTEM

- Easy in-line integration
- Integrated MultiFlux unit in transport system
- Accurate positioning for load and unload PCB/Pallet
- Multiple preheat modules possible
- Location pins ensure securegrip-PCB positioning

REPEATABLE MULTIFLUX

- Utilizes single or dual dropjet fluxing head on X-Y table
- Easily programmable to suit individual applications
- Programmable drop size
- Individual solder joints or multiple rows of joints can be optimized

POWERFUL PREHEAT

- 9 KW (6748) or 10.5 KW (6749) installed power
- Easy changeover
- Configurable in minutes
- Multiple zones available

FLEXIBLE SELECTWAVE

- Single nozzle with blanketed flow of Nitrogen
- Wave stability ensured by unique impeller design
- Robust coated steel pump with proven shaft-sealing technology

- Closed loop frequency-controlled motors ensure highly stable wave height
- Different nozzle sizes possible
- Integrated wave height measurement and control
- Machine layout provides access from each direction
- Available for Dip and Drag soldering

HIGH SPEED MULTIWAVE

- Patented sideflow ensures temperature stability in nozzles
- Stabilizer hole equalizes wave height regardless nozzle of diameters
- Multiple nozzle plates for maximum flexibility
- Nitrogen cover for oxide-free soldering
- Quick change-over time for multiplates

UNIVERSAL, DEDICATED SECUREGRIP

- Standard gripper with application-specific tooling
- Tilttable in 2 direction at different angles (+/-7, +/-10 degrees)
- Component positioning tooling can be integrated
- Securegrip rotates 360 degrees
- Snap-in changeover between different grippers

SINGLE POINT TEACHING OFF-LINE

- Teaching solder points is executed above the camera for all processes in the machine
- Unlimited number of recipes

DYNAMIC CALIBRATION

- Continuous verification and active compensation of robot position
- Ensures a reproducible process



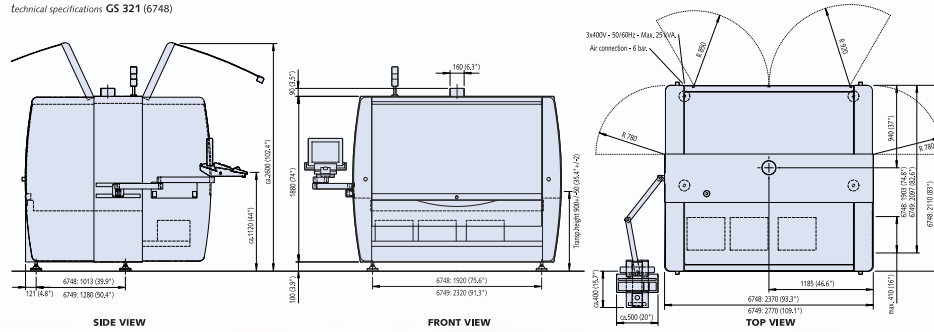
Pneumatic gripper



Teaching camera

*left: SelectWave soldering
right: MultiWave soldering*





All Vitronics Soltec equipment is designed to meet the European CE directives

Hinged doors for easy maintenance

AUTOMATIC PROCESS CAPABILITY REPORTS

- With a separate set of measuring sensors and a capability program, the process parameters are monitored and stored for capability analysis.
- Capability program runs automatically anytime.
- Keeps machine and process in optimal shape with regular verification.
- Verification is typically required by the automotive industry.

EASY PROGRAMMABILITY

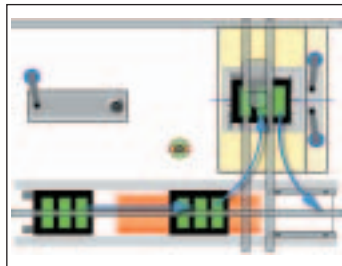
- Windows graphical users interface ensures a user friendly working environment.
- Software includes graphical analysis of production data.
- Fully configurable password setup allows safety in access and setup.
- Intelligent alarming with integrated help screens.
- Link to specific website and machine verification.

ACCESSIBILITY AND CONFIGURABILITY

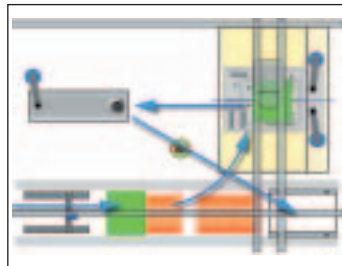
mySelective offers ultimate accessibility – from its large, open work and processing area to its easily-accessible electrical cabinet and controls for simplified maintenance. Accessibility aids configurability! mySelective operates in multiple fluxing and soldering configurations for today's ever-changing selective soldering processing demands and product requirements in high mix/high volume facilities.

PROCESS FLEXIBILITY

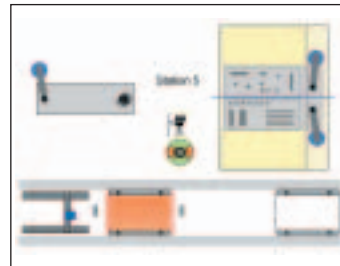
Setup and configuration is easy, facilitated by single-point teaching via camera, a user-friendly control interface, and many more advanced features that speed and simplify setup while delivering advanced process control, high yields, and remarkable precision.



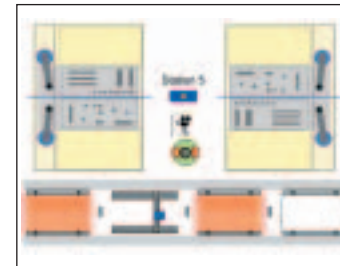
Process flexibility: Pallets with PCB's over MultiWave only



Process flexibility: Bare PCB's over SelectWave and MultiWave



Configuration flexibility: sample 1



Configuration flexibility: sample 2

MODELS & CONFIGURATIONS

left: Transport system
middle: MultiWave plate
right: Machine overview



THE SELECTIVE FAMILY

6748, 6749
High Mix/High Volume
SelectWave and MultiWave

6745
High Mix/High Volume
SelectWave

6747
Low Mix/High Volume
MultiWave

6746
Medium Mix/Low Volume
SelectWave



the Netherlands • USA • Germany
Singapore • Malaysia • Korea • China

Vitronics Soltec



LOCAL STRENGTH

Vitronics Soltec is organized as a global network of local teams and works with users anywhere, everywhere, and in every language that they speak. By being strong locally, Vitronics Soltec became strong globally.

SUPPORT COMMITMENT

During its long membership of the global electronics industry, Vitronics Soltec has developed respect for small and large users alike. The extended service and support structure is available for all Vitronics Soltec equipment users. Thanks to its global presence, Vitronics Soltec can guarantee a high support standard in each area of the world, including field service, application engineering and helpdesk support.



the Netherlands



USA



China



www.myselective.com

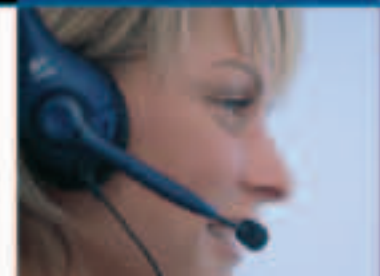
www.myreflow.com

www.mywave.com

www.vitronics-soltec.com



DEDICATED TO SOLDERING



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