



Vitronics Soltec



MYSELECTIVE 6747

SELECTIVE

SOLDERING PLATFORM



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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?

DROP-IN SOLDERING SOLUTION

There's a one-stop, simple, "drop in" solution to all of these problems and more - mySelective 6747. It's designed to do what other soldering methods can't. It's ideal for soldering tall bottom side components, delivers great results as an alternative to pin-in-paste, and it's perfect for safeguarding temperature-sensitive components. It's faster and more consistent than hand soldering. Selective soldering is controllable, cost-efficient, and lead-free compatible. With mySelective 6747, there's no longer any need to modify, tweak, or attempt to make older technologies or methods meet today's soldering challenges.

MAJOR COST SAVINGS

mySelective 6747 delivers the significant costs savings that you've always been looking for in your soldering process. There's no dross build-up requiring removal and reprocessing; less materials waste; you don't need expensive, customized pallets; labor costs drop dramatically - and quality jumps - because you're not hand soldering anymore. Your soldering is simpler, more efficient, more repeatable, and more profitable.

THE RIGHT MATCH FOR YOUR MANUFACTURING

Zero programming time makes mySelective 6747 the seamless "upgrade" solution for your operators. There's no interruption, no steep learning curve. Plus, its high-speed capability, combined with its efficient horizontal transport system, gives mySelective 6747 throughput comparable to wave soldering, footprint for footprint.

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A **DOVER** COMPANY



- Low Mix/High Volume
- High Repeatability
- MultiWave

- MultiFlux Flexibility
- High Speed MultiFluxer
- Flexible Preheat

MYSELECTIVE FEATURES

100% CONFIGURABLE

- Programmable Dropjet Fluxer ensures repeatability
- MultiPoint Fluxer ensures high speed fluxing
- Multiple preheating zones for optimum temperature profiling
- MultiWave solderpot reduces soldering cycle time

RELIABLE TRANSPORT SYSTEM

- Easy in-line integration
- Integrated Dropjet Fluxer and/or MultiPoint Fluxer unit in transport system
- Accurate positioning for load and unload of PCB/Pallet
- Multiple preheat modules possible

ACCURATE MULTIPOINT FLUXER

- Dropjet Fluxer and/or Nozzle Spray Fluxer with/without mask
- Programmable fluxing time
- Utilizes single or dual fluxing head on X-Y table
- Easily programmable to suit individual applications
- Programmable drop size (Dropjet Fluxer only)
- Individual solder joints or multiple rows of joints can be optimized

POWERFUL PREHEAT

- 9 KW installed power
- Easy changeover
- Width adjustable per recipe

HIGH SPEED MULTIWAVE

- Patented sideflow ensures temperature stability in nozzles
- Stabilizer hole equalizes wave height regardless of nozzle diameters
- Nitrogen cover for oxide-free soldering

- Combine nozzle plates in the solderpot for high mix production without interruption (up to 4 products)
- Quick change over time for multiplates

UNIVERSAL, DEDICATED LIFTING UNIT

- Standard gripper with application-specific tooling
- Multi PCB Positioning System
- Self-aligning tooling/lifting unit combination
- Warpage control, positioning tooling can be integrated

SINGLE POINT TEACHING OFF-LINE

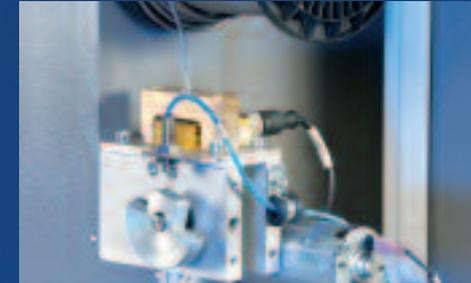
- Teaching fluxing points is executed off-line
- Unlimited number of recipes

AUTOMATIC PROCESS CAPABILITY REPORTS

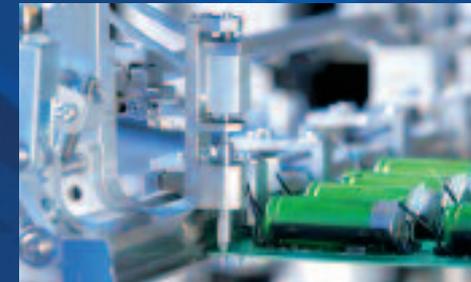
- Dedicated measuring sensors gather accurate process data for capability analysis reports
- Capability program monitors, stores data for report processing
- Keeps machine and process in optimal shape with regular verification

EASY PROGRAMMABILITY

- Windows graphical interface ensures 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 web site and machine verification



Solder feeder

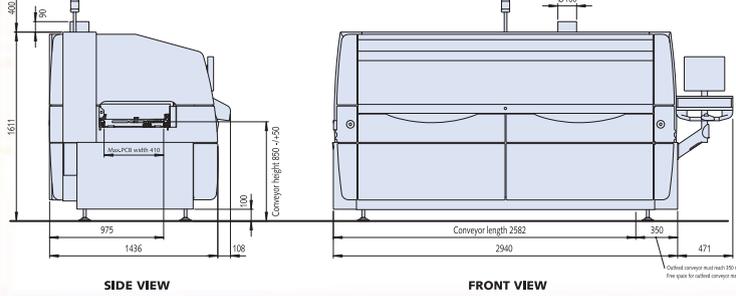


Location pin for positioning PCB

*left: Preheat
right: MultiFluxer*



technical specifications GS 328



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



MultiWave screens to eliminate bridging

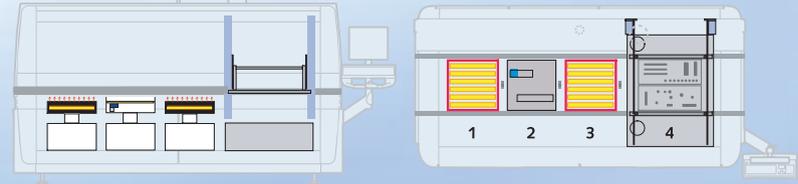
ACCESSIBILITY AND CONFIGURABILITY

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!

OPTIMIZED TOOLING

Decades of experience in designing wave soldering tooling and understanding the dynamics of molten solder flow and metallurgy ensures that your application, no matter how challenging, will be successfully engineered. Vitronics Soltec understands the material requirements of tooling, and how to best construct it to build optimal solder connections. Whether or not you need precision single site or multiple site soldering, the engineers at Vitronics Soltec will provide the right tooling in a robust and repeatable process that will get the job done for you. There's no more need for pallets or hand soldering; eliminate excess setup time and handling. With mySelective 6747, you can bring a level of automation and flexibility to your soldering process that will improve yields, simplify your assembly process, and give you a healthier bottom line.

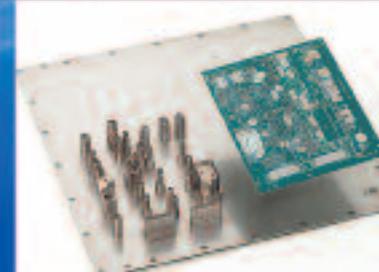
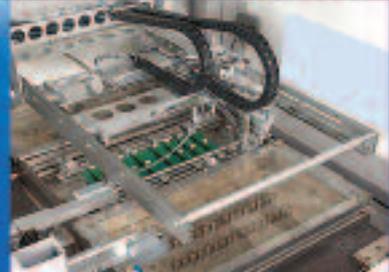
TYPICAL MACHINE CONFIGURATIONS



Position 1:	Position 2:	Position 3:	Position 4:
 Preheater	 Preheater	 Preheater	 1x 410x410
 Nozzle Spray/ Dropjet Fluxer with mask	 Nozzle Spray/ Dropjet Fluxer with mask		 2x 410x205
 Nozzle Spray/ Dropjet Fluxer without mask	 Nozzle Spray/ Dropjet Fluxer without mask		 4x 250x205

MODELS & CONFIGURATIONS

left: MultiWave position 1
 middle: MultiWave position 2
 right: MultiWave sample



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



Vitronics Soltec maintains a constant program of product improvement which may affect design. We reserve the right to make these changes without prior notice or liability. Windows™ is a registered trademark of Microsoft Corporation.