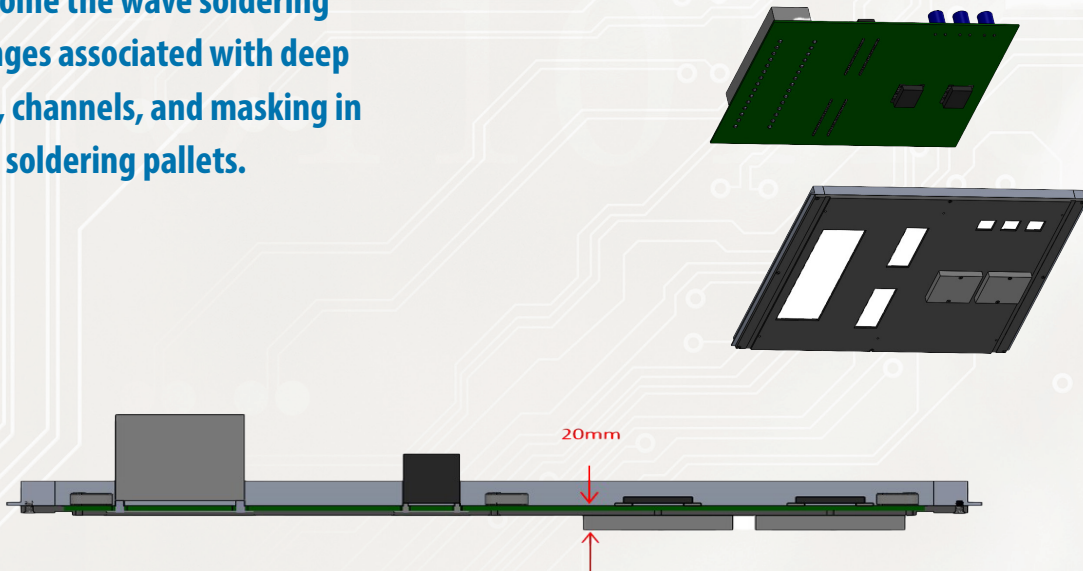


Deep Wave Soldering Option

Overcome the wave soldering challenges associated with deep pockets, channels, and masking in soldering pallets.

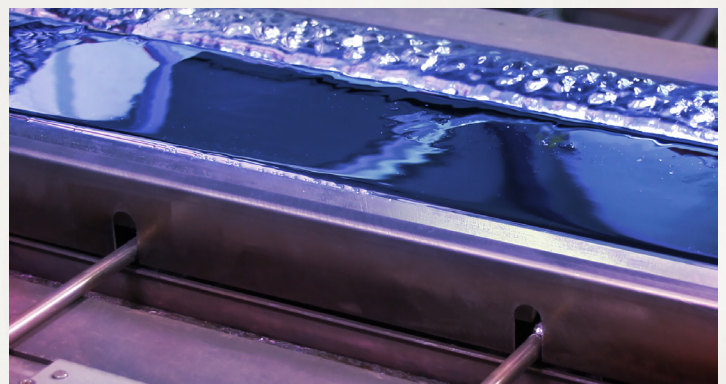


As PCB assemblies continue to increase in complexity, a design approach to increase throughput while maximizing soldering performance is to utilize masking to protect bottom side components and to mask temperature sensitive components. As a result, deep pockets, channels, and masking can introduce challenges into the wave soldering process.

Electrovert's new Deep Wave option provides the ability to pump up to a 20mm wave height. The Deep Wave overcomes the challenges associated with deep pockets and markings and provides a wave depth necessary to maximize topside hole fill performance.

Key Features and Benefits:

- Overcome challenges associated with deep wave pockets and masking
- Recipe controlled parameter
- Common set-up and operation between Electrovert VectraElite and Electra models
- Compatible with Auto Exit Wing option
- Field upgradeable



Deep Wave Option

The Deep Wave option is a recipe-controlled parameter in the machine software that can make changes between different wave heights within 10 seconds. The Deep Wave compliments other Electrovert value added options including ExactaWave (automatic wave height adjustment), adjustable wave pump RPM's settings, forced convection blower speed adjustments and precision selective fluxing that can all be adjusted on-the-fly.

This high level of control and rapid change with the wave soldering process provides the greatest flexibility for a lot-size-of-one capability in high-mix soldering applications. The Deep Wave option settings, along with other critical machine parameters, are data logged in the machine software and captured for MES information management applications.

DEEP WAVE OPTION SPECIFICATIONS		
	VectraElite	Electra
Wave Height Range	6.35 - 20 mm (0.25 - 0.7875 in)	
Pump speed control accuracy	+/- 3 RPM at the motor; +/- 1 RPM at the pump	
Nozzle Types	UltraFill 4.0 and DwellMax 4.0 main and chip waves	
N2 tunnel types	Requires Short or Full N2 Tunnel	
Compatibility with value-added	<ul style="list-style-type: none"> • Auto Exit Wing • ExactaWave (auto wave height control) • Forced convection blowers speed adjustments <ul style="list-style-type: none"> • Fast Response IR preheat • Selective Fluxing • Flux Flow Monitoring • Quick and Smart load capability in machine software (requires barcode) 	
Data logging	Wave height parameters are data logged in machine software and captured for MES information management applications	
Upgrades	Field upgradeable (requires Windows® 10 PC)	