

Vitronics Soltec

Electronic Assembly Equipment

TW EAE

ZEVA^{III+}

Selective Soldering Solution

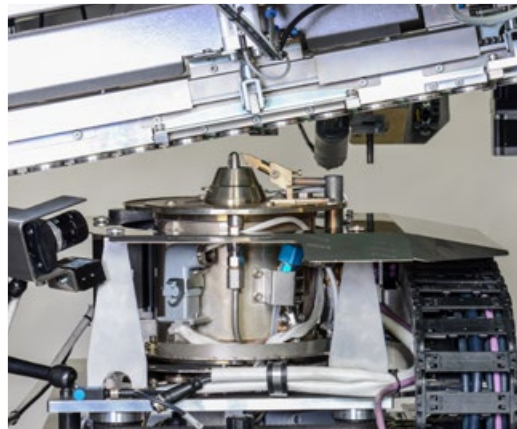


**Proven Performance
from a Century of
Soldering Experience**

- High frequency fluxing technology provides the most accurate process to answer the highest quality challenges
- Up to three full-size preheating units, including closed loop preheating during soldering
- Patented soldering technology, tilting and SDC will prepare you for any soldering challenge that may come including further decrease of pitch
- SmartTeach software to enable fast set up and reliable recipes
- Process control provides maximum insight on day-to-day performance



High frequency, high speed drop jet fluxing, matching every cycle time and drop size requirement



Electromagnetic moveable solderpot with the option to solder under an angle and a choice of wettable and non-wettable nozzles



Up to three products can be processed simultaneously for maximized throughput



Selective Soldering Solution

The ZEVA^{M+} brings the next dimension to selective point-to-point soldering. With the ever decreasing pitch of components it becomes inevitable soon to use an angle during soldering to guarantee proper soldering results. The platform is supported by SmartTeach software enabling users to quickly and reliably set up a new process.

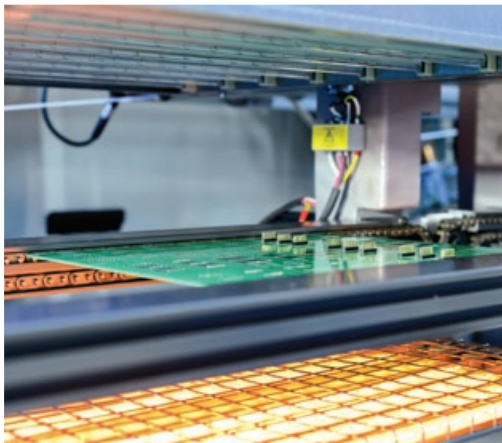
Key standard features

- High frequency fluxing
- Inline preheating system
- SmartTeach programming
- Movable Electromagnetic solderpot
- Automatic waveheight and solderheight measurement
- Fiducial correction

Key optional features

- Flux flow measurement
- Topside preheating (also during soldering)
- Closed loop preheating management
- Non-wettable or wettable nozzles
- Tilting for fine pitch soldering
- Solder Drainage Conditioner (SDC)
- Process view camera
- Product warpage compensation

Specification	ZEVA ^{M+}
Max PCB or pallet size	410 x 410 mm (16 x 16 inch)
Optional increase to max product length	500 mm (19.6 inch)
Max PCB weight	10 kg
Solder pot volume	8 kg
N ₂ consumption	20 L/min (25 L/min include SDC)
Maximum components height top side	120 mm
Power supply	3 x 400V 50/60 Hz
Machine size (L x W x H)	2370 x 1285 x 1220 mm (93.3 x 50.6 x 48 inch)



Bottom and optional top side quartz heaters



Rotatable non-wettable nozzles avoiding operator interference/ maintenance



Easily programmable allowing a fast process set up

ITW EAE is a division of Illinois Tool Works, Inc. It is a consolidation of all of its Electronic Assembly Equipment and Thermal Processing Technology. The group includes world-class products from MPM, Camalot, Electrovert (Speedline), Vitronics Soltec and Despatch.