

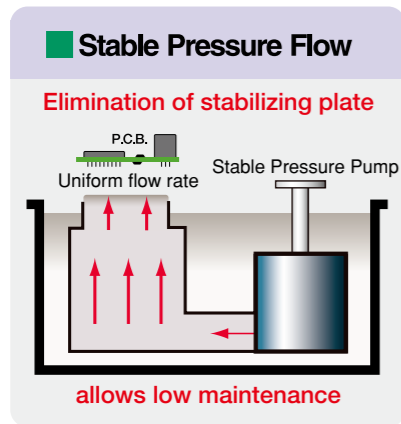


Lead-Free Flow Soldering System
ECOPASCAL SPF Series
Stable Pressure Flow Soldering Machine

The latest stable pressure flow soldering machine is most suitable for high quality lead-free soldering

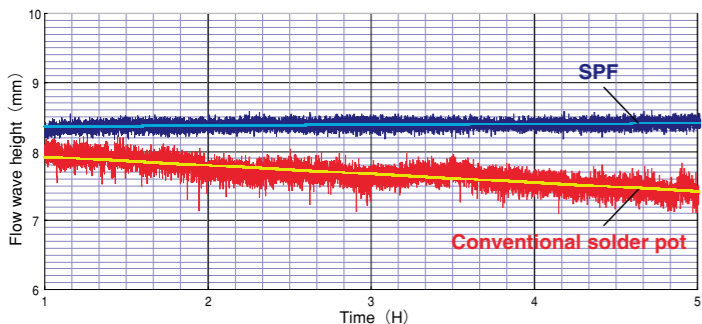
- Leading-edge of lead-free soldering technology allows uniform pressure for long lasting operation.

High flow pressure provides sufficient solder in through-holes of multilayer boards and significantly reduces missing solders and bridges.



- No clogging with oxides, keeping up a stabilized flow wave.

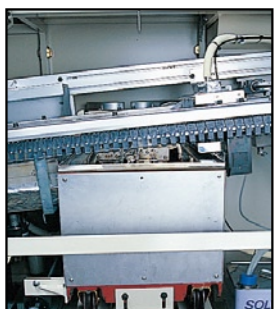
Eliminating a use of stabilizing plate enables smooth and stable wave for best soldering process with easy maintenance.



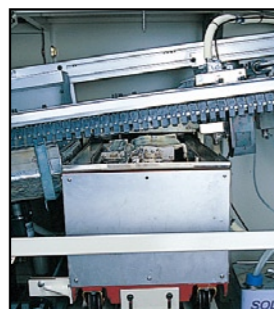
Comparison of 2nd flow wave height in continuous operation

- Full-open-body for easy maintenance.

Vertical adjustment of the conveyer rail provides flexibility and allows easy cleaning of the pot without removal.



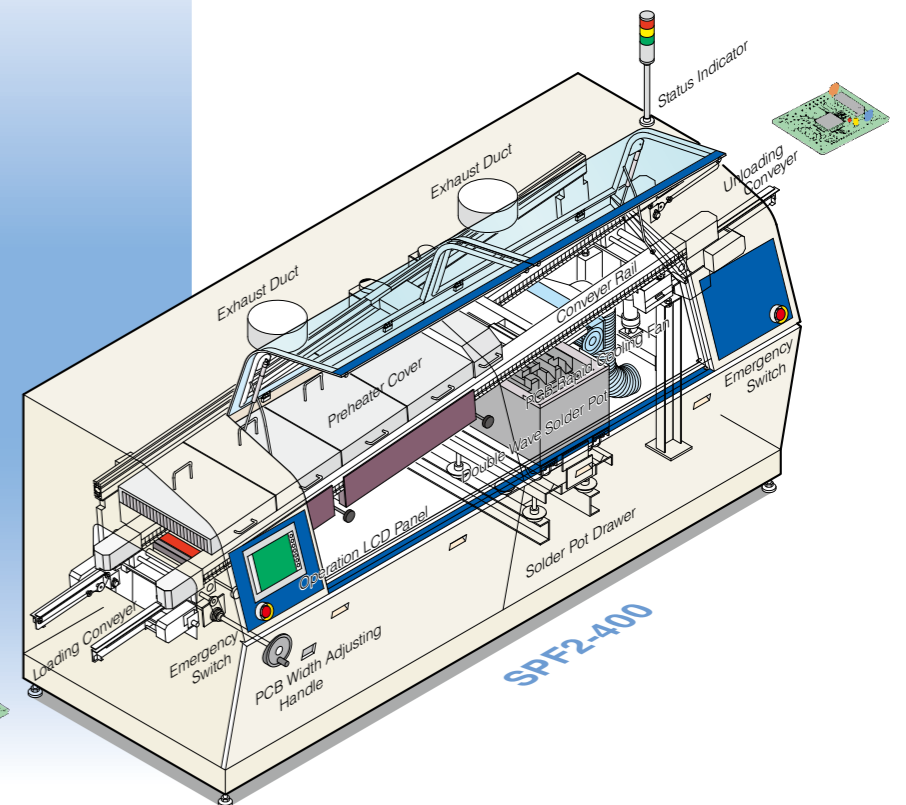
When lowered



When raised

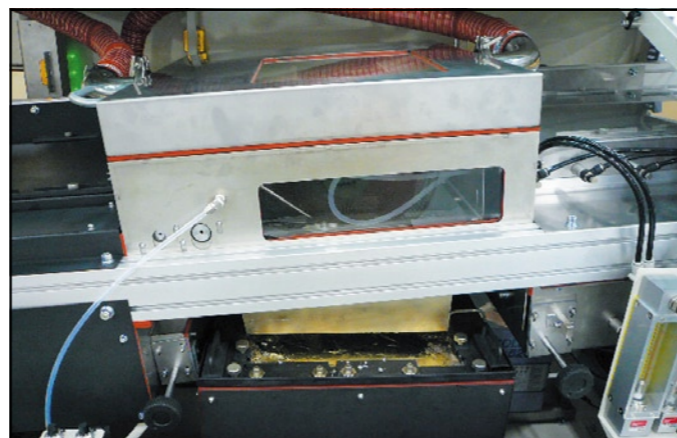


[PAT.P]



- Capability for high grade nitrogen ambient flow soldering.

New N₂ full chamber system from preheating to cooling zone is also available.



N₂ ambient optional unit (SPF2-400N)

- Suitable for high thermal capacity devices allowing sufficient heat supply for soldering.

- Flow height can be easily set and maintained at 15mm or above.

- PLC + PC operation touch panel

Standard touch panel operation allows changing among Japanese, English, or Chinese.

- New lineup of 4 models for 300^mmm, 350^mmm, 400^mmm, and 24 inches PCB widths.

- On-Pallet flow soldering is also available.

Flow height can be easily set and maintained at 15^mmm or above.

- Optional upper preheater enables more sufficient heating.



PCB carrier, soldering pallet

ECOPASCAL SPF2-300 (SPF2-400) Standard Specification

• Dimensions	4,340mm(L) × 1,330mm(W) × 1,560mm(H)	• Board dimensions	50(100)(W) × 100(L) mm to 300(400)(W) × 350(450)(L) mm
• Conveyer	Angle setting: 5° Variable conveyer width by manual operation	• Controller	PLC + PC controlled touch panel
• Pass line	780mm	• Weight	1,800 kg (approx.) solder included
• Preheater	Far infrared rays panel heaters (5kW × 4)	• Power supply	3 phase 200V 32.5kW
• Solder bath	Heaters : 0.95kW × 12, Anti-splash heater (0.4kW) Solder (M705E, 390Kg)	• Option	Upper preheating unit, Chiller unit, PCB Warp prevention blade, Automatic solder feeding, High wave nozzle

★ For more information on ECOPASCAL, contact us. SMIC is a leading manufacturer of soldering materials with extensive experience and offers advanced Soldering Solution™.

★ Design and specifications are subject to change without notice for improvements of system performance.

SMIC

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