



## *Lead Free Soldering Machine*

# WS-301LF



Thanks to well reputed our plain model of carrierless soldering machine, and to promote merit of its database, we have started to manufacture a new type machine to meet lead free soldering.

Along with our fundamental policy especially paid to this series for many customers, we could provide the machine with full functions and an attractive price for the customers.

## FEATURES

- For multi-purpose, this machine ensures not only to flexibly fit to lead-free soldering but also to bring users benefits of high-performance at a low cost.
- For the solder bath that is said to be the heart of the soldering machine, we have adopted a similar solder bath as used in our higher-graded soldering machines.
- Instead of the conventional PCB-holding fingers made from stainless steel material that would catch a large amount of solidified solder on their surfaces and hinder transporting PCBs on the conveyor line, we have employed a different type of the finger made from a special resin that can withstand high heat temperature to preclude the above solder trouble.

## CONFIGURATION

| Standard System                              |  | Optional Function                      |
|--|--|--|
| 1) Chain Type In-let Feeder (Speed variable) | 8) Finger Cleaner                              | 1) Peel Back Point Out-side Controller |
| 2) Foaming Fluxer                            | 9) Carrierless Conveyor                        | 2) PCB Cooling Mechanism               |
| 3) Air Knife                                 | 10) Room Lamps                                 | 3) PCB Warp Preventer                  |
| 4) Pre-heater                                | 11) Gull Wing Hood                             | 4) Stand-by Wave Flow                  |
| 5) Lead Free Dual Wave Soldering Bath        | 12) Central Controller                         | 5) onger IR Panel Heaters              |
| 6) Solder Bath Roll-out Mechanism            | 13) Operation Panel                            | 6) Wire Solder Auto-Feeder             |
| 7) Cooling Fans                              | 14) Chain Type Out-let Feeder (Speed variable) | 7) Flux Controller                     |

## SPECIFICATIONS

|                            |   |                                       |                              |                            |
|----------------------------|---|---------------------------------------|------------------------------|----------------------------|
| Applicable PCB             | Width<br>Thickness<br>Lead Wire                               | 35 - 300mm<br>0.8 - 2.0mm<br>6mm max. | Air Supply (dry air)         | 4 - 5MPa 100NI/min.        |
| Conveyor Angle             | 4.5 ± 1°  |                                       | Exhaust Amount               | 12m <sup>3</sup> /min.     |
| Productivity               | 180 PCBs<br>Conveyor speed: 1,200mm/min,<br>PCB length: 400mm |                                       | Color                        | Ivory                      |
| Solder Temp. in normal use | 240 - 260   |                                       | (L.W.H.)<br>Outer Dimensions | 3,820 x 1,220 x 1,510mm    |
| Flux Capacity              | approx. 15 liters.  |                                       | Power Supply                 | 3-phase 220V 34KVA 50/60Hz |
| Solder Capacity            | approx. 500 kg (in case of eutectic                           |                                       | Weight                       | approx. 970 kg             |

The specifications and design showing in this catalog are subject to change without prior notice in order to carry our performance up grades.



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