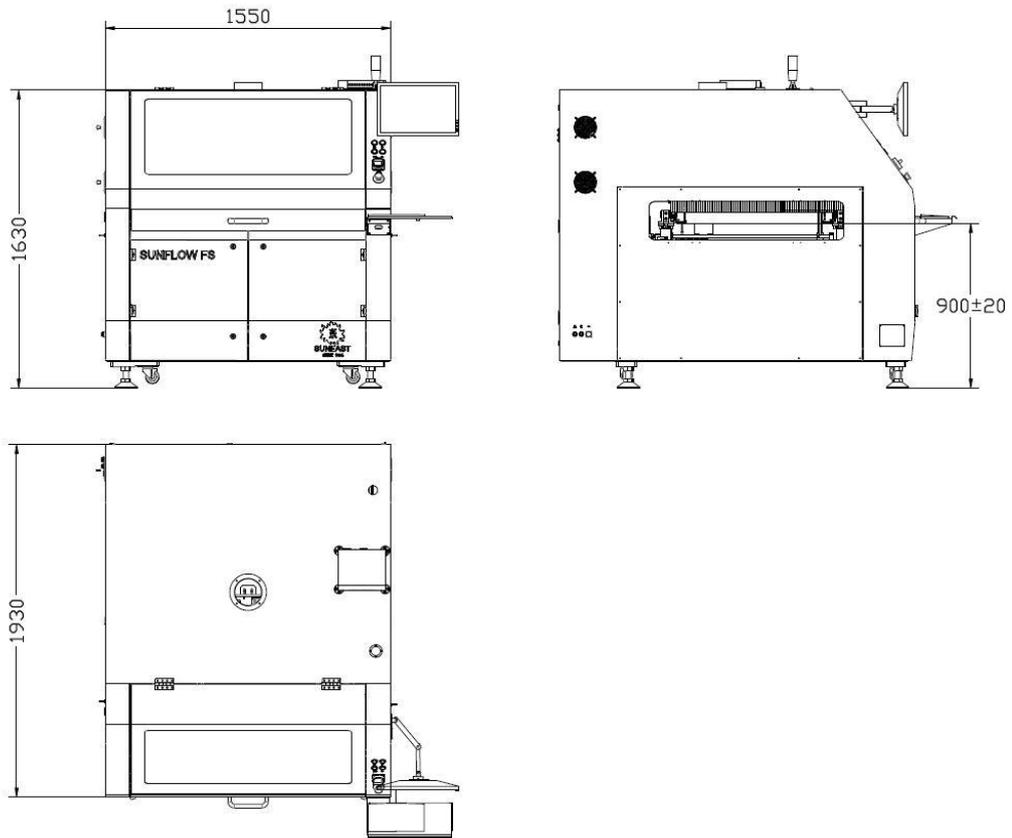


SUNFLOW FS/450

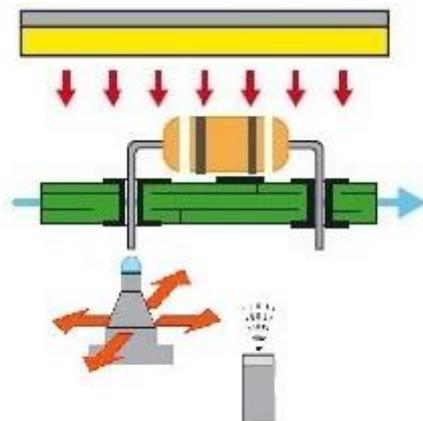
Online Selective Soldering Machine SUNFLOW FS/450 L to R

Equipment Floor Plan:



How it works:

After PCB is transported to the designated position by the roller, the board will be fixed. According to the program settings, the spraying, preheating and soldering functions are completed in sequence.



Process flow: spray→ preheat→ solder. The three processes need to be carried out in sequence.

Standard configuration:

Soldering monitor system;

CCD for teaching program;

Board feeding Direction: left→right;

Solder nozzle: single nozzle.

Flux nozzle: drip nozzle.

General technical data

Overall dimensions(mm) :1550(L)*1930(W)*1630(H)

Equipment weight(kg) : 1050

PCB top side clearance (mm) : 120

PCB bottom side clearance (mm) : 60

PCB technics side (mm) : ≥ 3

Conveyor height from floor (mm) : 900 ± 20

PCB conveyor speed (m/min) : 0.2-10

Max PCB weight (kg) : ≤ 8

PCB thickness (including fixture) (mm) : 1-6

Conveyor width adjustment (mm) : 50-450

Conveyor width adjustment mode: Electromotion

PCB Conveyor direction: Left to right

Air input pressure (MPa) : 0.6

Nitrogen supply: Offered by customer

Nitrogen input pressure (MPa) : 0.6

Nitrogen consumption (m³/h) : 约 1.5

Required particle cleanliness (%) > 99.999

Main voltage(VAC) : 380

Frequency (HZ) : 50/60

Max power consumption (kw) : < 11

Max amperage (A) : < 20

Ambient temperature (°C) : 10-35

Permanent sound level (dB) : < 65

Communication interface: SMEMA

Flux module

Max.Flux module x axis distance(mm) : 510

Max.Flux module y axis distance(mm) : 450

Spray height(mm) : 60

Location speed(mm/s) : < 200

Flux content(L) : 1

Soldering module

Max.Solder module x axis distance(mm) : 510

Max.Solder module y axis distance(mm) : 450

Max.Solder module z axis distance(mm) : 60

Smallest nozzle outer diameter (mm) : 5.5

Nozzle inner diameter (mm) : 2.5-10

Max solder wave height (mm) : 5

Solder volume (kg) : Approx.13kg(Sn63Pb); Approx.12kg(lead-free)

Max solder temperature (°C) : 330

Soldering heating power (kw) : 1.15

Preheating module

Preheat temperature range (°C) : <200

Preheating medium (kw) : 5

Top side preheating: Hot air