



## Compact wave soldering system with touch screen control and 99 solder programs

The Ersa ETS 330 is an inline double wave soldering system for the processing of SMD and Through-Hole components as well as mixed boards.

Its features include frame conveyor, constant level foam fluxer and flexible preheating system. The basic machine is equipped with a final solder wave.

A pre-solder wave for the processing of SMDs can be installed. Due to convenient quick cou-

plings, the solder nozzles can be quickly and easily removed. The concept of the system permits the customization of the machine to meet the specific requirements of the process.

The state-of-the-art control system comes with a touch screen display, which allows for an intuitive operation of the system. The controller holds up to 99 programs, and additionally incorporates a weekly time clock and a solder pallet counter.

### Features Ersa ETS 330

Floor stand, base cabinet type	<input type="checkbox"/>
Constant level foam fluxer	<input checked="" type="checkbox"/>
Spray fluxer "FOCUS"	<input type="checkbox"/>
Excessive flux blow off feature	<input checked="" type="checkbox"/>
Pneumatic service unit	<input checked="" type="checkbox"/>
Medium wave preheaters (2pcs)	<input checked="" type="checkbox"/>
Short wave emitters	<input type="checkbox"/>
Hot air blower	<input type="checkbox"/>
Double wave solder module	<input checked="" type="checkbox"/>
Pre-solder nozzle (SMD wave)	<input type="checkbox"/>
Final solder nozzle	<input checked="" type="checkbox"/>
N <sub>2</sub> solder bath cover	<input type="checkbox"/>
Solder level monitoring	<input type="checkbox"/>
Manual conveyor angle adjustment	<input checked="" type="checkbox"/>
Cooler after solder module	<input type="checkbox"/>
Touch screen operating terminal	<input checked="" type="checkbox"/>
Extension of the preheat time available through stopping the board of the preheater	<input checked="" type="checkbox"/>
Stand-by operation of solder waves	<input checked="" type="checkbox"/>
7-day time clock	<input checked="" type="checkbox"/>
Interior hood lighting / indication light	<input type="checkbox"/>
Exhaust control / Emergency-Stop button	<input type="checkbox"/>
Infeed and outfeed extension	<input checked="" type="checkbox"/>
Solder frame conveyor, guided on both sides	<input checked="" type="checkbox"/>
Sensor Shuttle	<input type="checkbox"/>

standard  / option



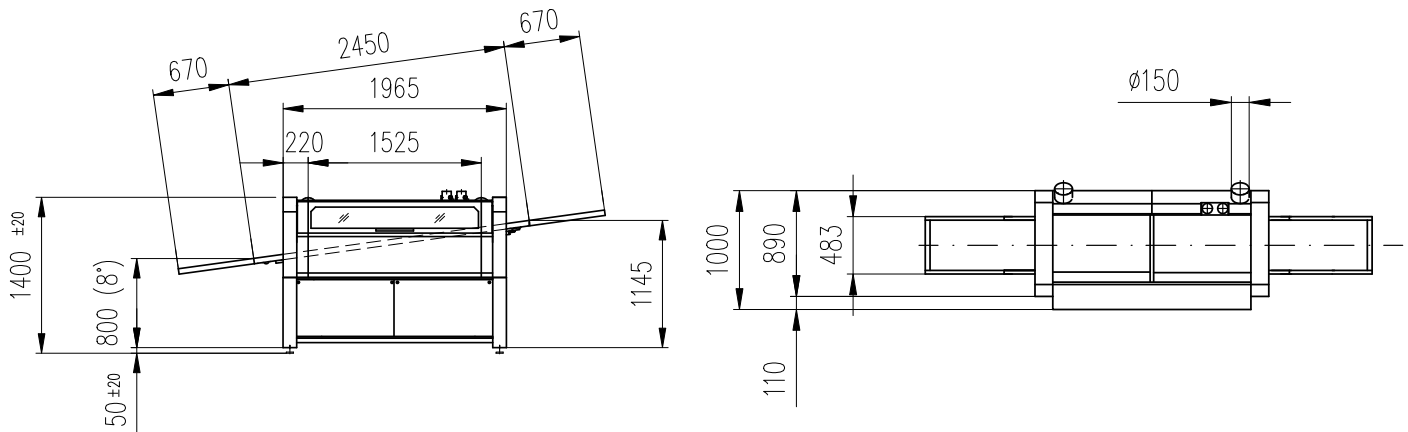
Precision spray fluxer (optional) with blow off device



Short wave preheater cassettes and bright emitter set (option)



Solder module with pre-solder and finishing nozzle



### Dimensions:

Length:	2,450 mm [96.5"]
Width:	1,000 mm [39.4"]
Height:	1,430 mm [56.3"]
Weight:	460 kg [1,013 lb]
Paint:	RAL 7035 / 7016

### Conveyor system:

Working width:	320 mm [12.6"]
Conveyor speed:	0,5 – 3,0 m/min [1.6 – 9.8 ft/min]
Conveyor angle adjustment:	4° – 7°
manual	in steps of 0,5

### Flux module:

Constant level foam fluxer
Flux storage tank: max. 10 l

### Preheating module:

Warm-up time:	approx. 2.5 h
Preheating length:	600 – 800 mm [23.6 – 31.5"]

### Solder module:

lead-free double wave solder module:	6,2 kW
Solder volume:	approx. 360 kg [739 lb], lead-free approx. 410 kg [859 lb], SnPb 64/36

### Control:

Programmable Logic Controller (PLC)
99 solder programs
Touch screen with graphical user interface
Pallet counter
Extension of the preheat time available through stopping the board over the preheater

### Electrical data:

Voltage:	5-wire-system, 3 x 230/400 V, N, PE
Frequency:	50 Hz / 60 Hz available +6% / -10%
Nominal rating:	max. 13 – 23 kW
Max. fuse rating:	3 x 50 A

### Exhaust rating:

Exhaust volume:	400 m <sup>3</sup> /h [14,127.7 ft <sup>3</sup> /h]; 800 m <sup>3</sup> /h [28,251.5 ft <sup>3</sup> /h] at the spray fluxer
Exhaust stack:	2 x à 150 mm (5.9") ø, 45°



State-of-the-art controls with graphical user interface and touch screen