

High-End Reflow Soldering Technology Now at an Unbeatable Price!

HOTFLOW 3/14e

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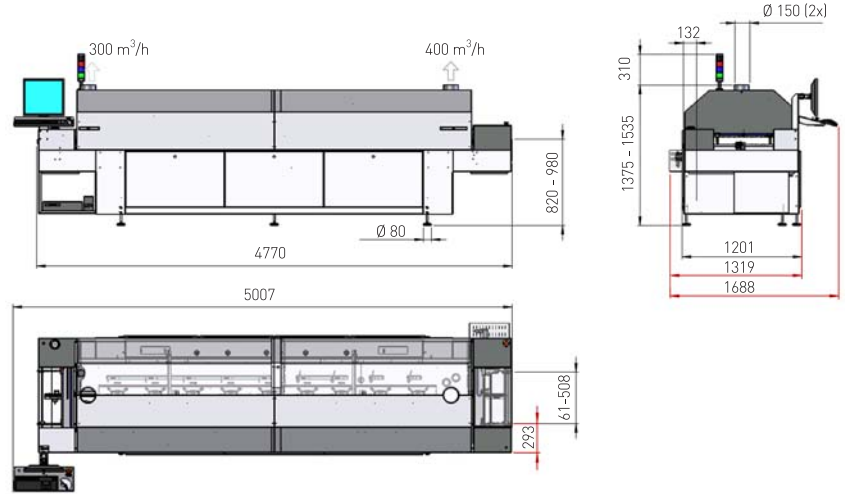
All-around carefree package – all inclusive!

The HOTFLOW 3/14e is a high-quality reflow soldering system of the Erska HOTFLOW series. It provides best soldering results on account of its superior thermal performance, its low transverse profile and its excellent zone separation.

The “e” attached to its signature stands for “efficiency”. By being part of the name of the product, it underlines the importance Erska has put on the economic efficiency during the development of the system.

Scope of Supply & Services

- Full convection (14 heating zones)
- Powerful air cooling
- Motorized conveyor width adjustment with pin-and-chain conveyor
- Motorized PCB center support
- Traceability process data (ZVEI - German electrical and electronic manufacturers' association)
- SMEMA interface (infeed and outfeed)
- Operation via touchscreen
- Packaging, delivery ex works
- 2 days on-site machine installation, start-up and training by our specialists



Specifications

Model	HOTFLOW 3/14e
Dimensions (basic machine)	
Length	4.770 mm
Width	1.201 mm
Height	1.375 - 1.535
Weight with options	approx. 1.450 kg
Paint	RAL 7035 / 7016
Conveyor system	
Working width	45 - 516 mm
Working width (PCB center support)	45 - 516 mm
Board clearance (standard)	+37 / - 37 mm
Center support pin height	15 mm
Conveyor speed	20 - 200 cm/min
Conveyor height from floor	820 - 980 mm
Pin-and-chain conveyor	3 mm edge clearance (option 4 & 5 mm)
Process zone	
Process length	3.345 mm
Heating zone	2.610 mm
Cooling zone	735 mm
Infeed zone	630 mm
Outfeed zone	775 mm
Process chamber width	approx. 700 mm
Heating system	
Convection share	100 %
Gas flow/module	approx. 500 m ³ /h. adjustable
Convection modules	7 top / 7 bottom
Preheating	5 top / 5 bottom
Soldering zone	2 top / 2 bottom
Nominal rating per module	3.3 kW
Nominal rating last module	4.5 kW
Cooling	
Cooling zone	2-stage version
Coolant	air
Ambient temperature	max. 32°C (90°F)
Electrical data	
Power	5-wire system 3 x 400 V. N,PE
Power tolerance range	+10 %
Frequency	50 / 60 Hz
Max. fuse rating	3 x 80 A
Nominal rating	69 kW
Reduced rating	33 kW
Continuous rating for operation	approx. 11 - 14 KW
Exhaust rating	
Exhaust stacks	2 stacks, 150 mm (6") Ø each
Exhaust volume	feeding: 300 m ³ /h discharge: 400 m ³ /h
Exhaust monitoring per stack	integrated
Noise level	
Permanent noise level	< 65 dB (A)
Safety devices	
■ 1 x main switch ■ 2 x exhaust monitors ■ 2 x emergency-stop buttons	