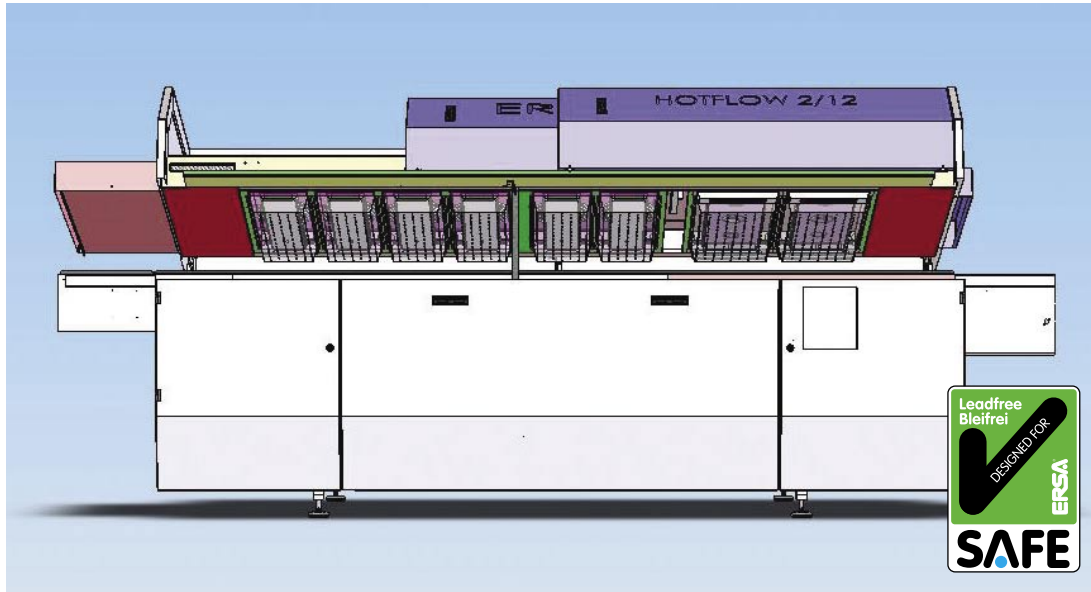


HOTFLOW 2/12

Reflow Soldering with Flexible Profile Set-Up and Integrated Process Management



ERSA HOTFLOW 2/12 - Excellent Price/Performance Ratio!

The new ERSA HOTFLOW 2 line is setting the industry standard for lead free reflow soldering by providing the ultimate in performance! Highest thermal performance, maximum flexibility, best possible machine availability rates (uptime) as well as lowest possible mean time to repair (MTTR) rates are the standards set by ERSA for the HOTFLOW 2 series of quality reflow ovens.

The HOTFLOW 2/12 offers up to 1.7 meters heating length and up to 0,8 meters cooling length at a total process length of approx. 2.5 meters. Subject to your process specifications, the HOTFLOW 2/12 can be equipped with up to 12 separately controlled heating zones and 2 cooling zones providing maximum flexibility with regard to profile set-up. Exact zone separation and homogenous temperature distribution provide for the best soldering results.

All materials and parts used are suitable for lead free soldering in that they can handle the higher temperatures.

ERSA understands that while performance is paramount, budget considerations play a critical role in equipment purchase decisions. These standard ovens deliver the same top performance with respect to critical thermal management, flexibility and throughput, but were manufactured under judicious cost guidance considerations. The bottom line is, the HOTFLOW 2 series offers the perfect lead free reflow oven for any application and for discerning budgets!

Features ERSA HOTFLOW 2/12

● Standard ○ Option

Preheating from bottom-side	○	PCB Pass Through Control	○
Temperature Monitoring / Cooling Zone	○	Panel PC incl. PC Support Arm and Touch Screen	○
Nitrogen Technology	○	Standard PC (notebook) incl. swing arm ERSASoft and EPOS basic module	●
Rest Oxygen Monitoring and Control	○	Operation Status Indicator	●
Process Atmosphere Cleaning / Cooling Zone	○	Uninterrupted Power Supply (Conveyor, Hood, PLC)	○
PCB Center Support with hinged straps - program controlled adjustment	○	Temperature Profiling System (Sensor Shuttle)	○
Conveyor Width Adjustment - program controlled adjustment	○	Autoprofiler	○
Automatic Chain Lubricator - for Conveyor and Center support	○	Adjustable fan speeds for heating and cooling zones	○
Inline-Interface (e.g. SMEMA, WMW)	○	Low-mass tubes for pin-and-chain conveyor	○

ERSA product range

Soldering tools

- NEW DIMENSION
- PROFI-LINE
- IR-Rework
- CLEAN-AIR

Soldering systems

Wave soldering

- ETS-line
- EWS-line
- N-Wave-line

Reflow soldering

- HOTFLOW 2/12
- HOTFLOW 2/14
- HOTFLOW 2/20
- HOTFLOW 2/24
- Hotflow line
- ERS 250 /260

Selective soldering

- VERSAFLOW
- VERSAFLOW line
Highspeed
Multiwave
Compact
- Place & Solder
- EAS-line

Process optimization

- EPOS 1

Inspection systems

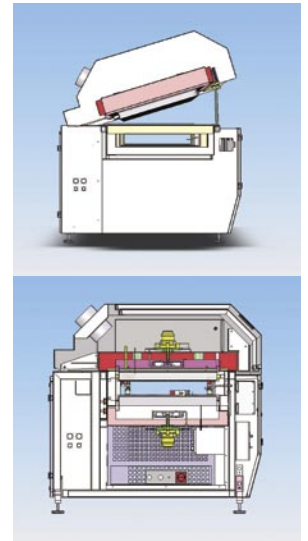
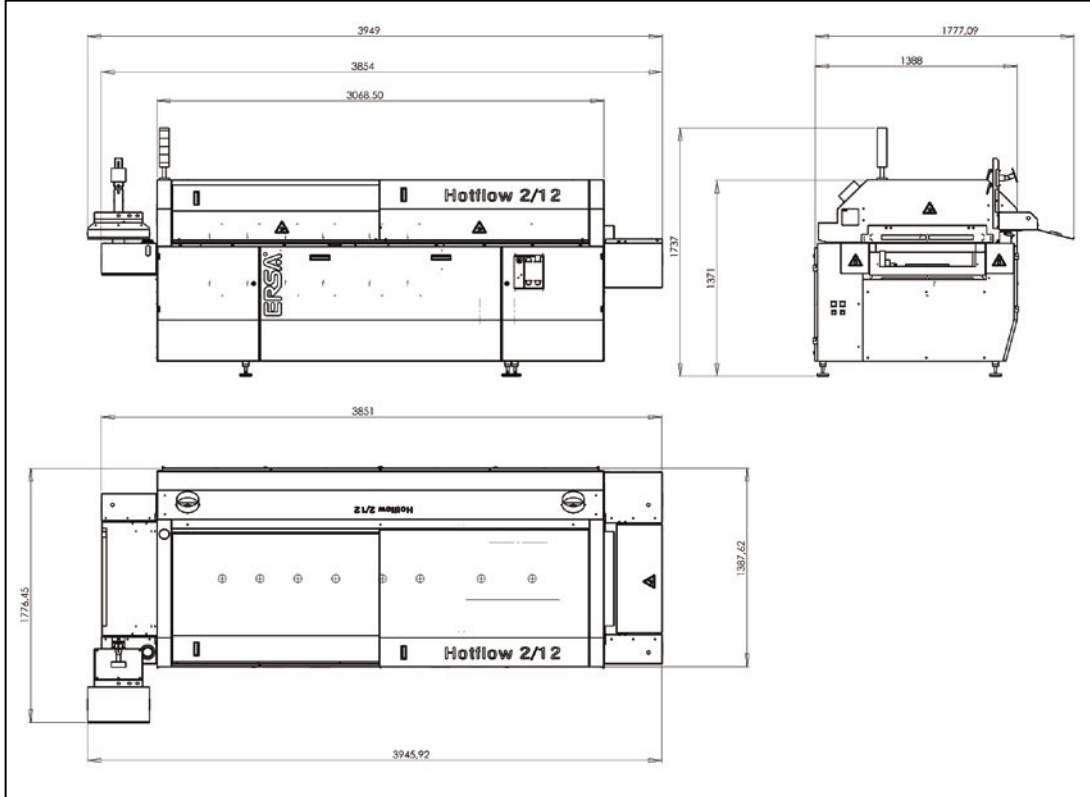
- ERSASCOPE
- ImageDoc Software

Other services

- Know-how seminars
- In-House trainings
- Test soldering
- Installation and maintenance assistance
- Process support

HOTFLOW 2/12

Reflow Soldering with Flexible Profile Set-Up and Integrated Process Management



Dimensions (Basic machine):

Length: 3,890 mm (153")
 Width: 1,390 mm (55")
 Height: 1,370 - 1,500 mm (54" - 59")
 Weight: approx. 1,400 kg (3,086 lb) incl. all options

Paint: RAL 7035 / 7016

Conveyor system:

Working width: 50 - 500 mm (2 - 20")
 Working width with PCB center support: 50-500 mm (2-20")
 Board clearance: +35 / -20 mm (+1.4" / -1")
 Conveyor speed: 20 - 200 cm/min (8 - 79")
 Conveyor height from floor: 820 - 950 mm (32 - 37")
 Pin-and-chain conveyor: 5 mm (0.02") as standard,
 2.85 mm (0.1") available as an option

Minimum board length: 80 mm (4")

Process zone:

Process length: 2,450 mm (96")
 Heating zone: 1,650 mm (65")
 Cooling zone: 800 mm (31")
 Infeed zone: 700 mm (28")
 Outfeed zone: 700 mm (28")
 Process chamber width: 700 mm (28")

Heating system:

Convection: 100%
 Gas flow/module: up to 300 m³/h (10,594 ft³/h) adjustable
 Convection modules: 6 top, max. 2 - 6 bottom

- Preheating: 4 top / max. 4 bottom (option)
- Soldering zone: 2 top / 2 bottom

 Nominal rating per module: 3.3 kW

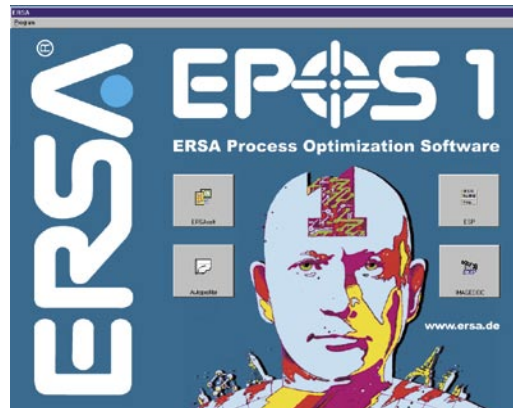
Cooling:

Cooling zone: water recooling
 2 top-side cooling modules
 Coolant: water / air

Ambient temperature: 10 - 35°C

Nitrogen option:

Gas injection: in soldering zone
 Gas flow: 0 - 30 m³/h (0 - 1,059 ft³/h)
 Pressure control: 6 bar



Safety devices:

- 1 main switch
- 2 Emergency-Stop buttons
- 2 Exhaust monitors
- 1 Two-hand approval system to close the hood
- 1 temperature monitoring per module

Electrical data:

Power: 5-wire system, 3 x 400 V, N, PE
 Power tolerance range: + 6 %, - 10 %
 Frequency: 50 / 60 Hz
 Max. fuse rating: 3 x 125 A
 Nominal rating: 30 kW - 55 kW (subject to configuration)
 Nominal current: 58 A (subject to configuration)
 Reduced rating: 40 kW

Exhaust rating:

Exhaust stacks: 2 stacks, 150 mm (6") diameter each
 Exhaust volume per stack: 300 m³/h (10,594 ft³/h)

Permanent noise level: <67 dB (A)

Asia:

ERSA Asia Pacific
 A Division of KURTZ Far East Ltd.
 Suite 3505, 35/F
 China Resources Building
 26 Harbour Road, Wan Chai
 Hong Kong
 Tel: (+852) 2331-2232
 Fax: (+852) 2758-7749
 e-mail: kurtz@kfe.com.hk
<http://www.ersa.com>

Room 601, 6th Fl.
 Beethoven Plaza
 No. 1158 Chang Ning Road
 Shanghai 200051, China
 Tel: (+86) 21 5241 6000
 Fax: (+86) 21 5241 9918
 e-mail: kurtz@kurtz.com.cn
<http://www.ersa.com>

USA:

ERSA Inc.
 1779 Pilgrim Road
 Plymouth, WI 53073, USA
 Tel: (+1) 800-363-3772
 Fax: (+1) 920-893-3322
 e-mail: info@ersainc.com
<http://www.ersa.com>

Europe:

ERSA GmbH
 Leonhard-Karl-Str. 24
 Postfach 1261
 97862 Wertheim/Germany
 Tel: +49(0)9342/800-0
 Fax: +49(0)9342/800-132
 e-mail: info@ersa.de
<http://www.ersa.de>

A **Kurtz** Company