



Technical Highlights:

- Highly efficient 800 W hybrid heating head
- Large-area IR Matrix bottom heater with 25 single heating elements (600 W each)
- Process observation with up to 8 thermocouples
- Automatic and precise component alignment with the help of machine vision
- Highly accurate, motor-driven axis system for component placement (± 0.025 mm)
- User independent, reproducible repair results guaranteed
- Process control and documentation via the operator software HRSoft 2

With the Ersa HR 600 XL it is possible to professionally rework BTC components on big board assemblies. Boasting a heated area of 24 x 24 inch and a PCB thickness of up to 10 mm opens up rework capabilities in the segments of telecommunication, network and infrastructure.

The bottom side IR Matrix heater™ with a total power of 15 kW consists of 25 individual controllable heating elements. For each application the ideal heat distribution can be set.

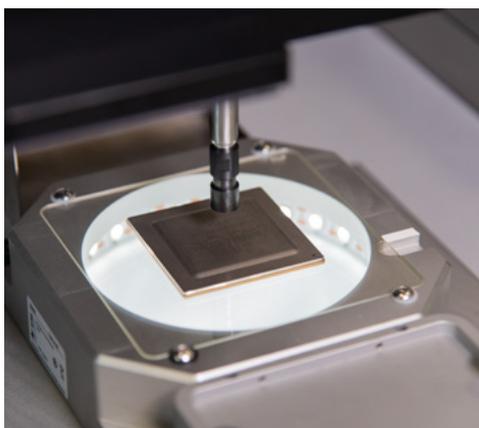
The highly efficient 800 W hybrid heating head executes the component desoldering or installation from chip resistors to 60 x 60 mm (2.36 x 2.36 inch) tall BGAs or sockets in well-known Ersa quality.

Like in its little brother HR 600/2 automatic and precise component adjustment by means of image processing and an accurate axis system provide exact component placement down to ($\pm 0,025$ mm).

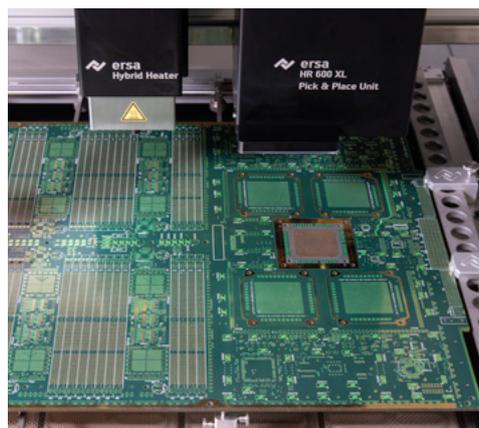
The HR 600 XL can be operated in fully automatic or semi-automatic mode and by this provides highest flexibility to the users.

It is ready to use the Ersa Dip&Print station to prepare components with exact amounts of flux or solder paste previous to soldering.

Process control and documentation is operated by the newly introduced HRSoft 2 software package.



Large metallic BGA on HR 600 XL light dome



Large PCB inserted in holder with bottom side support



800 W Hybrid Heater right: Pick & Place unit, both with exchangeable nozzles

Professional Big Board Rework!

Technical Data:

Dimensions (B x T x H):	2250 x 1700 x 1650 mm (88.6 x 66.9 x 65.0 inch) incl. monitor holder
Weight:	approx. 600 kg
Antistatic Design:	yes
Nominal power:	16,000 W
Voltage:	400 V AC, 3 phase, 50/60 Hz, 30 A
Air supply:	Compressed air, 6-10 bar (free of oil), ¼ inch quick connect
Upper heating:	Hybrid emitter (800 W), 60 x 60 mm (2.36 x 2.36 inch)
Lower heating:	IR emitter (25 x 600 W), 625 x 625 mm (24.6 x 24.6 inch)
Board dimensions:	from 20 x 20 to 625 x 625 mm (24.6 x 24.6 inch)
PCB thickness:	up to 10 mm (0.39 inch)
Component dimensions:	0.5 x 0.5 to 60 x 60 mm (0.019 x 0.019 to 2.36 x 2.36 inch)
Operating software:	Ersa HRSoft 2 for Microsoft™ Windows operating systems
Test symbol:	CE
Option:	Reflow process camera: 5 MP GigE color camera, 25 mm focal width Lighting: 2x LED light source



Ersa HRSoft 2 software package for HR 600 XL

Ordering Information:

Order Number	Description
OHR600XL	Ersa HR 600 XL Hybrid Rework System

Options:

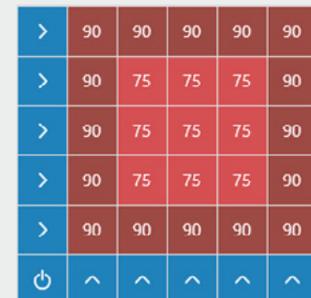
Order Number	Description
OHR610XL	Reflow Process Camera for HR 600 XL
OPR100	DIP & PRINT Station complete

IR Matrix heater™ -

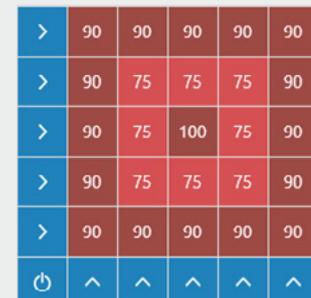
possible configurations:



Full size heating with homogeneous power in all zones



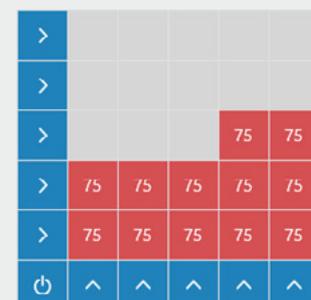
Full size heating with enhanced edge heating



Full size heating with edge enhancement and „hot spot“



Full size heating with edge enhancement and „cold spot“.



Segmented heating with homogeneous power in all zones.