

Ersa HR 100 hybrid rework system



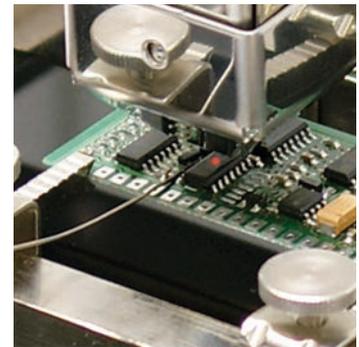
Rapid, simple and safe hand-held component removal

HR 100 (01RHR100A-HP)

with HYBRID TOOL, VAC-PEN vacuum pipette, 3 hybrid adapters, adapter changer, tool stand for HYBRID TOOL and IR heating plate with PCB holder
Figure with optional thermocouple and stand.

The **HR 100** uses Ersa's patented Hybrid Rework Technology for safe removal and replacement of components sizing from 0201 chips to 20 x 20 mm SMDs. Safe, medium-wave IR radiation combined with a gentle hot air stream guarantees optimal energy transfer to the component. Exchangeable hybrid adapters focus 200 W of safe hybrid heating power onto the component while protecting neighboring areas from blowing away adjacent chips. The HYBRID TOOL handle contains a positioning laser. The user-friendly operation allows for even

non-experienced operators to handle the HR 100 safely and quickly. Advanced operators using the complete system can not only set air volume and heating power levels, but they can also run and record profiles with the IRSoft rework software!



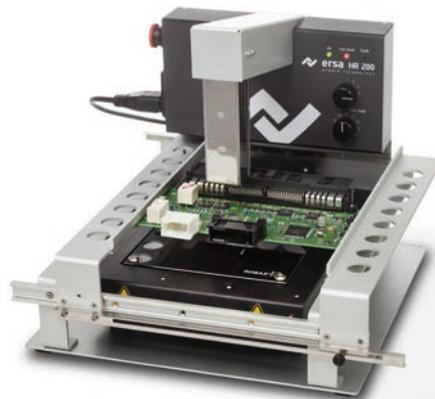
Temperature-controlled SMD soldering

Ersa HR 200 – Rework out of the Box!



Unpack, setup, solder! It's as simple as that to rework a PCB nowadays. The Ersa **HR 200** hybrid rework system contains a 400 W hybrid highpower heating element to desolder and solder SMT components up to 30 x 30 mm. As an option, the system can operate a powerful 800 W infrared heating plate. This bottom heater guarantees ideal preheating of the assembly to rework.

The operator selects the required power for top and bottom heating with a control knob, each with four levels. A foot switch activates the heating process. The operator's hands are free to remove the desoldered component with appropriate tools.



HR 200 (0HR200-HP)

Hybrid rework system with IR heating plate and PCB holder

Figure without foot switch

Order no.	Description	Rating/voltage	Heated area	Weight (w/o cable)
01RHR100A	HR 100 hybrid rework system, complete, with HYBRID TOOL 31RHR100A-01, VAC-PEN vacuum pipette 0VP020, Hybrid adapters 01RHR100A-14, -15, -16 and adapter changer 01RHR100A-24	200 W/230 V, 50 – 60 Hz	6 x 6 mm to 20 x 20 mm	300 g
11RHR100A0A67		200 W/115 V, 50 – 60 Hz		
01RHR100A-HP	HR 100 hybrid rework system, complete, with HYBRID TOOL 31RHR100A-01, VAC-PEN vacuum pipette 0VP020, three hybrid adapters, adapter changer, HYBRID TOOL holder and IR heating plate with PCB holder	200 W/230 V, 50 – 60 Hz	6 x 6 mm to 20 x 20 mm	300 g
11RHR100AHPA67		800 W/230 V, 50 – 60 Hz	125 x 125 mm	2.5 kg
	Recommended accessories for 01RHR100A:			
01RHR-ST050	Hybrid rework tripod, complete			
0HR200	HR 200 hybrid rework system with foot switch, positioning laser and PCB holder	400 W/230 V, 50 – 60 Hz	30 x 30 mm	3.7 kg
11HR2000000A67		400 W/115 V, 50 – 60 Hz		
0HR200-HP	HR 200 hybrid rework system with foot switch, positioning laser, PCB holder and heating plate	400 W/230 V, 50 – 60 Hz	30 x 30 mm	3.7 kg
		800 W/230 V, 50 – 60 Hz	125 x 125 mm	1.6 kg
11HR200-HP0A67		400 W, 800 W/115 V, 50 – 60 Hz		

For detailed information on these rework systems and further rework products please refer to the Ersa catalog "Ersa Rework and Inspection Systems".