



American Hakko Products, Inc.

# PRODUCT BULLETIN

**Bulletin No:** PB388

**Issue Date:** 7-12-2016

**Available:** 7-25-2016

**Product Description:**


NEW HAKKO FR-811 SMD Rework System

**Part No:**

FR811-04



**Specification:**

Model	FR-811
Part No.	FR811-04
Input Voltage	120 VAC 50/60 Hz
Power Consumption	820W
Heater Power Consumption	790W
Airflow Source	Turbine
Airflow Capacity <sup>1</sup>	1 – 100% (MAX. 115L/min)
Temperature Range <sup>2</sup>	50°C – 600°C (120°F – 1120°F)
Handpiece Length (w/o cord)	250 mm (9.8 in.)
Handpiece Weight (w/o cord)	180 g (0.40lb.)
Station Dimensions	160(W) x 145(H) x 220(D) mm (6.3 x 5.7 x 8.7 in.)
Station Weight	1.5 kg (3.3 lb.)
ESD Safe	Yes
Safety Approval	

**Contents:**

Part No.	Description
--	FR-811 SMD Rework System
C5033	Holder Assembly
B3023	Large Vacuum Pipe Knob (w/screw)
B5129	USB Cable
B5128	Thermocouple
B2300	Heat Resistant Pad
A1438	7.6mm Vacuum Pad [2]
A1439	5mm Vacuum Pad [2]
A1520	3mm Vacuum Pad [2]
B5054	Power Cord
--	Software and Driver CD
--	Instruction Manual

1 - Airflow capacity is rated as free flowing. Restrictions created by various nozzles may reduce the maximum airflow capacity.

2 - Under certain airflow and temperature setting conditions, the station may not attain the maximum allowable temperature selection.



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**Comments:**

The new HAKKO FR-811 SMD Rework System is the next generation SMD rework solution. Based on the powerful HAKKO FR-810B Hot Air Rework Station, the FR-811 incorporates the same heating power and turbine performance, and then adds a whole new level with loads of added features, including:

- New graphic interface display and navigation system that simplifies operation.
- Dual T/C inputs allow users to monitor part and board temperatures while controlling the ramp rate for a safe, accurate and repeatable process.
- Automatic mode gives users the ability to fully program profiles with up to 6 stages.
- Onboard storage of 50 profiles with a USB port available for flash memory storage of profiles.
- A dedicated USB port can also be used to integrate FR-811 with PC using the included software.
- Integrated vacuum pickup with visual indicator built-in to the handpiece.

With the optional C5016 bottom heater, which integrates with and is fully controlled by the FR-811, the C5027 board holder, the C5028 or C5029 hand piece fixtures and the 999-267 basic vision kit, the FR-811 transforms into a complete and economical SMD rework system ideal for bottom terminated components.

***Note: The HAKKO FR-811 is compatible with older generations of nozzles from the FR-801, FR-802 and FR-803B hot air stations. An adaptor is not required to use the older nozzles.***

For more information, please visit us at [www.HakkoUSA.com](http://www.HakkoUSA.com)