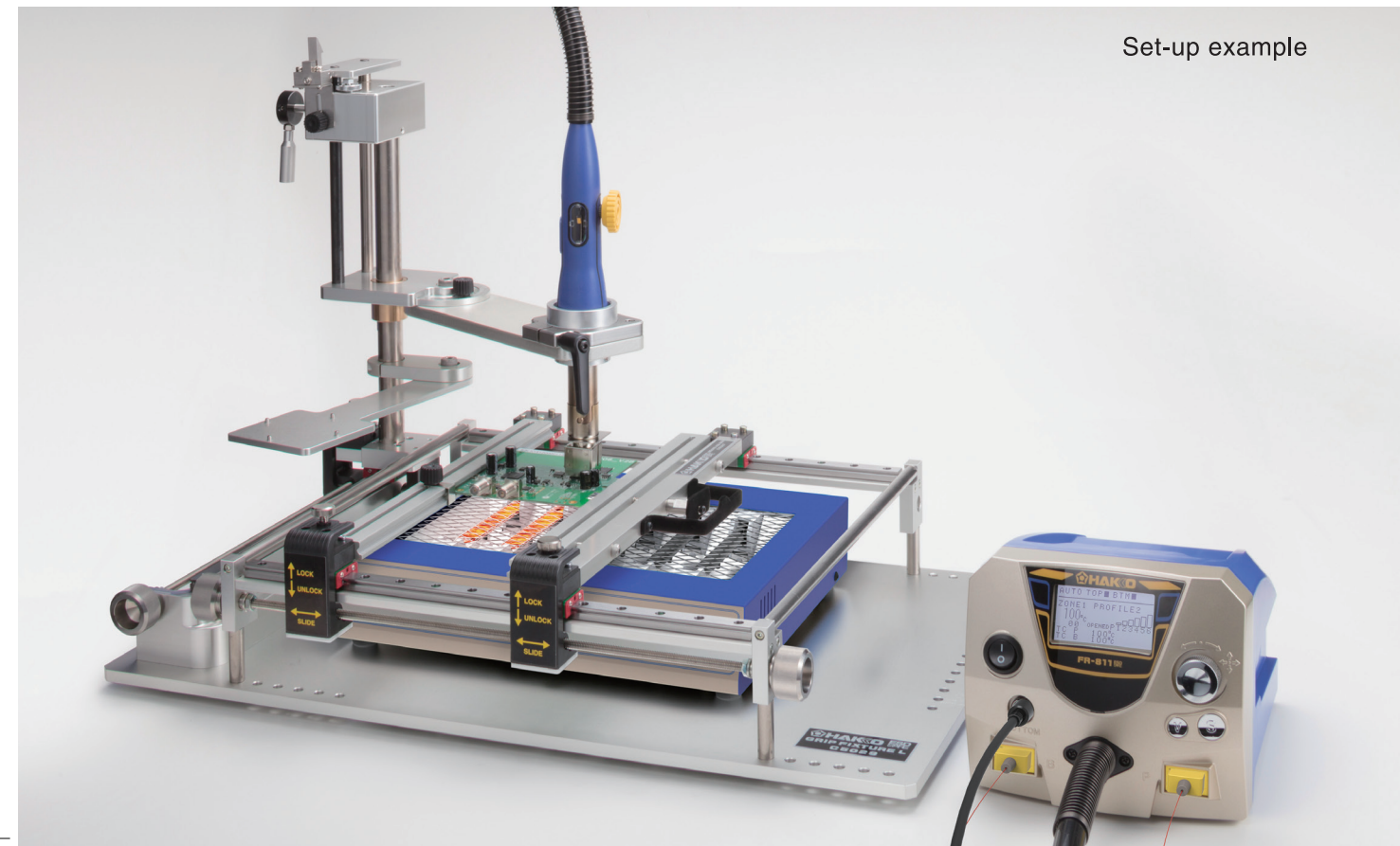





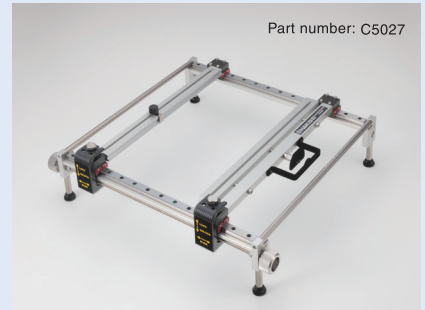
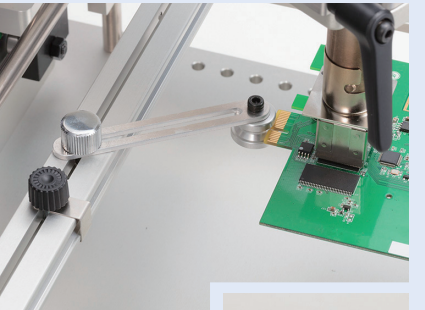
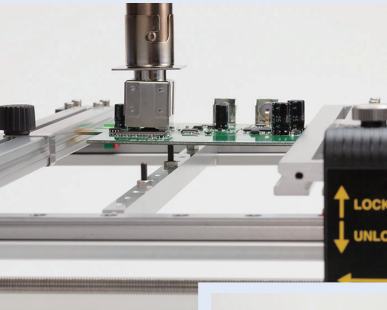
Assembly of a low-cost SMD rework system

A low cost rework system can be assembled with a bottom heater, a grip fixture, and a board holder.



Set-up example


Options

 <p>Part number: C5029</p>	 <p>Part number: C5028</p>	
<p>Grip Fixture L A board holder can be easily attached to the large baseplate.</p>	<p>Grip Fixture M Recommended if a bottom heater is not required or in case of use of a bottom heater other than the dedicated model for FR-811.</p>	<p>A dedicated bottom heater for FR-811 Equipped with carbon heaters. Heating area is divided into 2 sections.</p>
 <p>Part number: C5027</p>	 <p>Part number: B5098</p>	 <p>Part number: B5136</p>
<p>Board Holder Makes it easy to set and remove a PWB and to make fine adjustments after setting.</p>	<p>Board Clip Accepts even irregular-shaped PWB.</p>	<p>Board Support Unit Supports PWB from underneath to minimize its warping.</p>

山折り

Optional Nozzles					
Single	N51-01	N51-02	N51-03	N51-04	N51-05
BGA	N51-10 for 4 x 4	N51-11 for 6 x 6	N51-12 for 8 x 8	N51-13 for 10 x 10	N51-14 for 12 x 12
BGA	N51-15 for 14 x 14	N51-16 for 15 x 15	N51-17 for 17 x 17	N51-18 for 18 x 18	N51-19 for 20 x 20
BGA	N51-20 for 22 x 22	N51-21 for 24 x 24	N51-22 for 27 x 27	N51-23 for 29 x 29	N51-24 for 35 x 35
BGA	N51-25 for 38 x 38	N51-26 for 40 x 40	<p>Part No. N51-50</p> <p>Nozzle Value Set The standard nozzle (Part No. N51-02) is not included in the set.</p>		

FR-811

Packing List	Specifications
	<p>Power consumption 700 W (100 V), 840 W (110 V), 820 W (120 V), 1100 W (220 V), 1200 W (230 V), 1300 W (240 V)</p> <p>Temperature range 50 to 600 °C</p>
	<p>Station</p> <p>Power consumption 30 W</p> <p>Air flow 001-100% (5 to 115 L/min.)</p> <p>Dimensions 160 (W) x 145 (H) x 220 (D) mm</p> <p>Weight 1.5 kg</p>
	<p>Handpiece</p> <p>Power consumption 670 W (100 V), 810 W (110 V), 790 W (120 V), 1070 W (220 V), 1170 W (230 V), 1270 W (240 V)</p> <p>Total length 250 mm</p> <p>Weight 180 g</p>
<p>Station with handpiece, Grip stand assembly, Vacuum pipe control knob L (with screw), Pads (qty 2 each of $\phi 3$ mm, $\phi 5$ mm, $\phi 7.6$ mm), USB cable, Software (CD-ROM), Thermocouple, Heat resistant pad, Power cord, Temperature distribution chart, Instruction manual</p>	<p>* Total length and weight exclude cord. * Airflow values shown above are only as reference. Airflow range may vary depending on nozzles.</p>

HAKKO CORPORATION
OVERSEAS AFFILIATES

HEAD OFFICE
4-5, SHIOKUSA 2-CHOME, NANIWA-KU, OSAKA, 556-0024 JAPAN
TEL: +81-6-6561-3225 FAX: +81-6-6561-8466
http://www.hakko.com E-mail: sales@hakko.com

U.S.A.
AMERICAN HAKKO PRODUCTS, INC.
29020 AVENUE WILLIAMS VALENCIA, CA 91355, U.S.A.
TEL: (661) 294-0090 FAX: (661) 294-0096
Toll Free (800)88-HAKKO
http://www.hakko.us

HONG KONG
HAKKO DEVELOPMENT CO., LTD.
ROOM 1504, EASTERN HARBOUR CENTRE,
28 HOI CHAK STREET, QUARRY BAY, HONG KONG.
TEL: 2811-5588 FAX: 2590-0217
http://www.hakko.com.hk
E-mail: info@hakko.com.hk

SINGAPORE
HAKKO PRODUCTS PTE LTD
1, GERTENG LANE #02-04
PERFECT ONE, SINGAPORE 349518
TEL: 6748-2277 FAX: 6744-0033
http://www.hakko.com.sg
E-mail: sales@hakko.com.sg

Please access to the following for the other sales affiliates and distributors.
<http://www.hakko.com>

Specifications and design are subject to change without notice. Copyright HAKKO Corporation. All right reserved.
HAKKO is registered in countries and regions including the following: Japan, USA, South Korea, Singapore, China, the member of CTM.

CA00488EaYa001 2016.6

山折り

HAKKO

HAKKO FR-811 ESD SAFE
SMD REWORK STATION

Desoldering / Rework
SMD Rework System
Hot Air

Introducing a high-spec hot air rework station
with excellent cost performance

Create a full-scale thermal profile just like the one by a reflow oven
Operate on a computer with the dedicated software



Image photo