



FX-100

INDUCTION HEATING SOLDERING STATION + ACCESSORIES

Designed with **Power** in Mind to be
Fast, Efficient, and Reliable





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FH800-51BY



Micro Rework
"T38 Series"



Micro Soldering
"T35 Series"



Soldering
"T31 Series"

QUALITY. RELIABILITY. POWER.

Experience the power of induction heating with the **HAKKO FX-100 Soldering Station**. The FX-100 sets a new standard for quality. Designed for fast, efficient, and reliable soldering. It's compact design, boost control, and precision are RF induction heating technology at its best.



FX-1003*



FX-100



FX-1002*



FX-1001*



FX-100

INDUCTION HEATING SOLDERING STATION



No calibration required. Simply turn ON the station, and feel its power! Within seconds, you'll notice the power from the HAKKO FX-100 rapidly transferring heat to the tips using HAKKO's induction heating technology. **Tips Sold Separately.*



FEATURES & BENEFITS

- Password Lockout prevents unauthorized system setup changes
- Sleep Function reduces tip temperature to preserve tip life and reduce oxidation when the iron is not in use
- Large backlit display provides a clear and simple interface for the operator
- Auto shut-off safety feature
- Compact design minimizes the workbench footprint
- Meets or exceeds requirements under IPC J-STD-001, ANSDI ESD S20.20 and older MIL-STDs



SPECIFICATIONS For Part No. FX100-04

STATION	
Voltage	120 V
Power Consumption	85 W
Temperature Stability	Meets or exceeds IPC J-STD-001, ANSDI ESD S20.20 and older MIL-STDs
Output Frequency	13.56 MHz
Outer Dimensions (W x H x D)	127 mm x 150 mm x 167 mm 5.0" x 5.9" x 6.6"
FX-1001 HANDPIECE	
Tip to Ground Resistance	< 2 Ω
Tip to Ground Potential	< 2 mV
Cord Length	1.3 m (4.3 ft)
Total Length*	190 mm (7.5 in) with T31-02D24 tip

FX100-04 SOLDERING STATION

Includes everything shown in picture.



CONTENTS For Part No. FX100-04 (Complete Kit w/ Station, Handpiece & Iron Holder)

Part No.	Description
FX100-53 FX1001-51 FH800-51BY B5006 B5007 B5008 B2300 N/A	Station + B2419 (power cord) Handpiece Iron holder + brass wire & sponge Heat resistant sleeve - yellow color (installed) Heat resistant sleeve - green color Heat resistant sleeve - gray color Heat resistant pad Instruction manual

IRON HOLDER
w/ Brass Wire & Sponge
P/N: FH800-51BY

**HEAT
RESISTANT
PAD**
P/N: B2300

**HANDPIECE
FX-1001**
P/N: FX1001-51

**HEAT RESISTANT
ANTIBACTERIAL
SLEEVES**
P/N: B5007 & B5008



For more information Scan QR Code.

FX-1001

STANDARD HANDPIECE



The **FX-1001 Standard Soldering Handpiece** is a lightweight, slender, and ergonomically designed handpiece with a burn resistant cord that allows the operator excellent dexterity. The FX-1001 handpieces works with the FX-100 soldering station, and uses T31 series tips, available in 4 different temperature series. **Tips Sold Separately.*



FEATURES & BENEFITS

- Powered by RF (induction) heating
- T31 series tips deliver great performance while providing up to 2 times longer tip life (on average) compared to other non-HAKKO tips
- No calibration required
- Slender, lightweight, and ergonomically designed handpiece with burn resistant cord allowing for excellent operator dexterity
- Conversion Kit Available (FX1001-52)
- Sleep function that engages when the handpiece is placed in the holder



SPECIFICATIONS For Handpiece Only Part No. FX1001-51

Series Tips	T31-00: 895°F (480°C), T31-01: 840°F (450°C), T31-02: 750°F (400°C), T31-03: 660°F (350°C)
Type of Station	HAKKO Induction Heating Soldering Station
Tip to Ground Resistance	<2 Ω
Tip to Ground Potential	<2 mV
Cord Length	1.3 m (4.3 ft)
Total Length*	190 mm (7.5 in) with T31-02D24 tip



CONTENTS For Part No. FX1001-52 (Complete Kit w/ Handpiece & Iron Holder)

Part No.	Description
FX1001-51	Handpiece
FH800-51BY	Iron holder + brass wire & sponge
B5006	Heat resistant sleeve - yellow color (installed)
B5007	Heat resistant sleeve - green color
B5008	Heat resistant sleeve - gray color
B2300	Heat resistant pad
N/A	Instruction manual

FX1001-52 STANDARD HANDPIECE KIT

Includes everything shown in picture.



The FX1001-51 Standard Handpiece is included with the **HAKKO FX100-04**, see page 4.





T31 SERIES TIPS

The **T31 Tips** can be easily identified by a distinctive colored connector end which represents the temperature series of each tip.
Note: Not all tips available in every temperature series.



- **xx = 00** = 895°F / 480°C
- **xx = 01** = 840°F / 450°C
- **xx = 02** = 750°F / 400°C
- **xx = 03** = 660°F / 350°C



T31 SERIES TIPS FOR USE WITH FX-1001

T31-xxBC1 	T31-xxBC28 	T31-xxBL 	T31-xxSBL
T31B-xxD08 	T31-xxWD08 	T31B-xxD16 	T31B-xxD24
T31B-xxD52 	T31-xxL 	T31B-xxL 	T31-xxLI
T31-xxJ02 	T31B-xxJL02 	T31B-xxJS02 	T31-xxJD14
T31-xxJD17 	T31-xx1601 	For more T31 Series Tips information Scan QR Code.	
T31-xxKU 	T31-xx1401 Spatula 10.4 	T31-xx1402 Spatula 15.7 	

FX-1002

MICRO SOLDERING IRON



For more information
Scan QR Code.

The **FX-1002 Micro Soldering Iron** works with the FX-100 Soldering System. The power and performance of induction heating can now be felt with the FX-1002 micro handpiece and T35 series tips. By reducing the size of the tip and handpiece, the FX-1002 allows operators to work under a microscope for micro soldering applications. **Tips Sold Separately.*



FEATURES & BENEFITS

- The FX-100 Micro Solution!
- Same great power and performance felt with induction heating
- Quick-change T35 Series tips
- Conversion Kit Available (FX1002-84)
- Great for working under microscopes
- Sleep function that engages when the handpiece is placed in the holder



SPECIFICATIONS For Handpiece Only Part No. FX1002-83

Series Tips	T35-02: 750°F (400°C), T35-03: 660°F (350°C)
Type of Station	HAKKO Induction Heating Soldering Station
Tip to Ground Resistance	<2 Ω
Tip to Ground Potential	<2 mV
Cord Length	1.3 m (4.3 ft)
Total Length*	130 mm (5.1 in)



CONTENTS For Part No. FX1002-84 (Complete Kit w/ Handpiece & Iron Holder)

Part No.	Description
FX1002-83 FH800-52BY B5179 B5180 B2300 N/A	Handpiece only Iron holder + brass wire & sponge Heat resistant sleeve - yellow color (installed) Heat resistant sleeve - green color Heat resistant pad Instructional manual

IRON HOLDER
w/ Brass Wire & Sponge
P/N: FH800-52BY

HEAT RESISTANT PAD
P/N: B2300



HANDPIECE ONLY
P/N: FX1002-83

HEAT RESISTANT ANTIBACTERIAL SLEEVES
P/N: B5179 (Installed) & B5180

FX1002-84 MICRO SOLDERING IRON KIT

Includes everything shown in picture.

The FX1002-83 Micro Handpiece is used with the **HAKKO FX-100***

**Sold Separately*



T35 TIPS FOR USE WITH FX-1002

T35-xxD06	T35-xxD1	T35-xxKU	T35-xxI	T35-xxJ



● xx = 02 = 750°F / 400°C

○ xx = 03 = 660°F / 350°C



For more information Scan QR Code.



FX-1003

MICRO REWORK TWEEZERS

The **FX-1003* Micro Tweezers** work with the HAKKO FX-100 Induction Heating Soldering Station, delivering the same great power and performance felt with induction heating. With the ultra fine T38 tip shapes available in TWO different temperature series (750°F & 660°F), it will transform the way you rework. **Tips Sold Separately.*



FEATURES & BENEFITS

- 4 types of tip alignment are possible:
-Vertical: ± 1 mm, Horizontal: 10mm, Forward: ± 1.5 mm, Angle: ± 200 deg.
- The handpiece is designed with an ergonomic shape for comfort and is ESD safe
- The holder can store spare tips and makes changing out hot tips easy and convenient
- Sleep function that engages when the handpiece is placed in the holder



SPECIFICATIONS For Handpiece Only Part No. FX1003-83

Series Tips	T38-02: 750°F (400°C), T38-03: 660°F (350°C)
Type of Station	HAKKO Induction Heating Soldering Station
Tip to Ground Resistance	<2 Ω
Tip to Ground Potential	<2 mV
Cord Length	1.3 m (4.3 ft)
Total Length*	130 mm (5.1 in)



CONTENTS For Part No. FX1003-84 (Complete Kit w/ Micro Tweezers & Holder)

Part No.	Description
FX1003-83 FH800-84BY	FX-1003 Handpiece Only Holder + Brass Wire & Sponge

FX1003-84 MICRO REWORK TWEezer KIT

Includes everything shown in picture.

**MICRO TWEEZERS
HOLDER**
w/ Brass Wire & Sponge
P/N: FH800-84BY



MICRO TWEEZERS
P/N: FX1003-83

The FX-1003 Micro Tweezers are used with the **HAKKO FX-100***

**Sold Separately*



For more information Scan QR Code.



**RECEPTACLE
FOR EASY TIP
REMOVAL**

**CONVENIENT
TIP STORAGE**

**SLEEP MODE
FEATURE**

**FH-800
CLEANING BRUSH**

SOLD SEPARATELY - AS ACCESSORY
P/N: A5065

**NEW HAKKO
T38 TIPS**
SOLD SEPARATELY

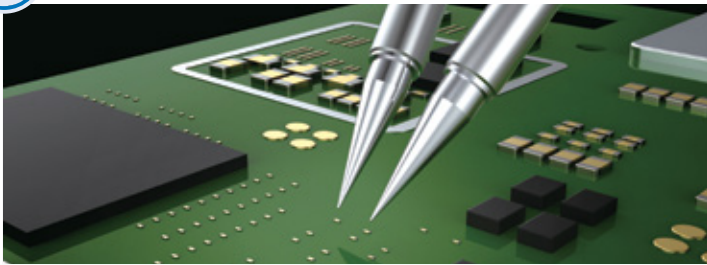




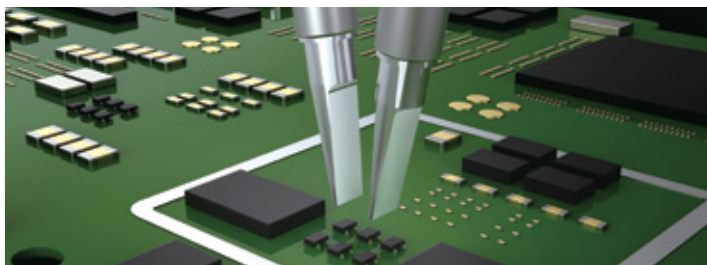
T38 TIPS (SET OF 2) FOR USE WITH FX-1003

T38-02 Series 750 °F

T-38-03 Series 660 °F



Shape I	T38-02I T38-03I	T38-02IS T38-03IS	Shape J	T38-02J T38-03J	T38-02JS T38-03JS
For 01005 component			For 01005 component		



Shape L	T38-02L1 T38-03L1	T38-02L2 T38-03L2	Shape K	T38-02K T38-03K

For more T38 Series Tips information
Scan QR Code.



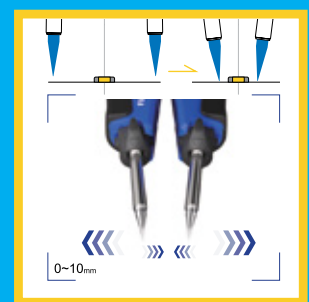
4 ADJUSTABLE TIP ALIGNMENTS



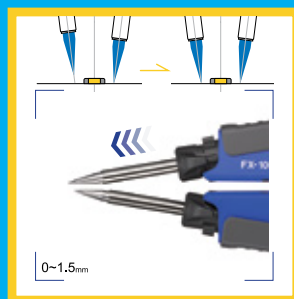
VERTICAL
Perfectly adjusts the tips for precision accuracy.



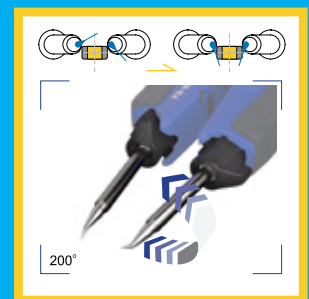
HORIZONTAL
This allows for larger and much smaller components to be removed with a width range of 10mm down to 0.



FORWARD
Perfectly adjusts the tips for precision accuracy.



ANGLE
Rotating the tips give the operator better control of how they'd like to remove the components, catering to preference.



The FX-1003 Micro Tweezers sports an impressive **line up of tip alignment adjustments in order** to secure the right contact for micro components.



FX-100

SOLDERING STATION

ACCESSORIES



FX-100 STACKING STAND*
P/N: 777-208

FX-1001*

FH800-84BY

FX-1003*

Expand your workbench space with the **Stacking Stand*** designed perfectly for the FX-100 Soldering Station

*Stacking Stand & Tips Sold Separately

HAKKO COLLECTION

Backed by the Quality, Reliability and Power
You've Come to Expect from HAKKO.



Introducing a collection of intuitive content that brings you closer to all the action with our Eye on Hakko, Hakko Fights, Hakko Tips, and Hakko Donates series. Join our **Hakko Tips** E-Newsletter as we cover new products, tips, and industry wide information, involving you in the process as much as possible. **Eye on Hakko** takes you on a journey of entertainment and information through our videos, webinars, and social media, bringing you bigger and better content. Help us support the research into healthcare with **Hakko Fights**, our way to provide hope and support to those in need to help them thrive. Give back with **Hakko Donates** as we get involved in giving back to the communities that make us great. All this backed by the quality, reliability, and power you've come to expect from Hakko.



Create. Unite. Inspire.

EYE ON HAKKO

Reaching out and connecting the world through entertainment and information. American Hakko Products, Inc. hopes to **unite** and **inspire** a generation of individuals that can **create** a better tomorrow. Eye on Hakko is the realization of that dream, building a bridge between Hakko and you.



Hope. Support. Thrive.

HAKKO FIGHTS

American Hakko Products, Inc. works with foundations that are dedicated to making a difference in individuals' lives through health care. The enthusiasm and dedication shown from these institutions is what fuels us in the fight against disease and illness. With the goal to passionately create an environment where we can give **hope**, and **support**, and help lives **thrive**.



Grow. Connect. Inform.

HAKKO TIPS

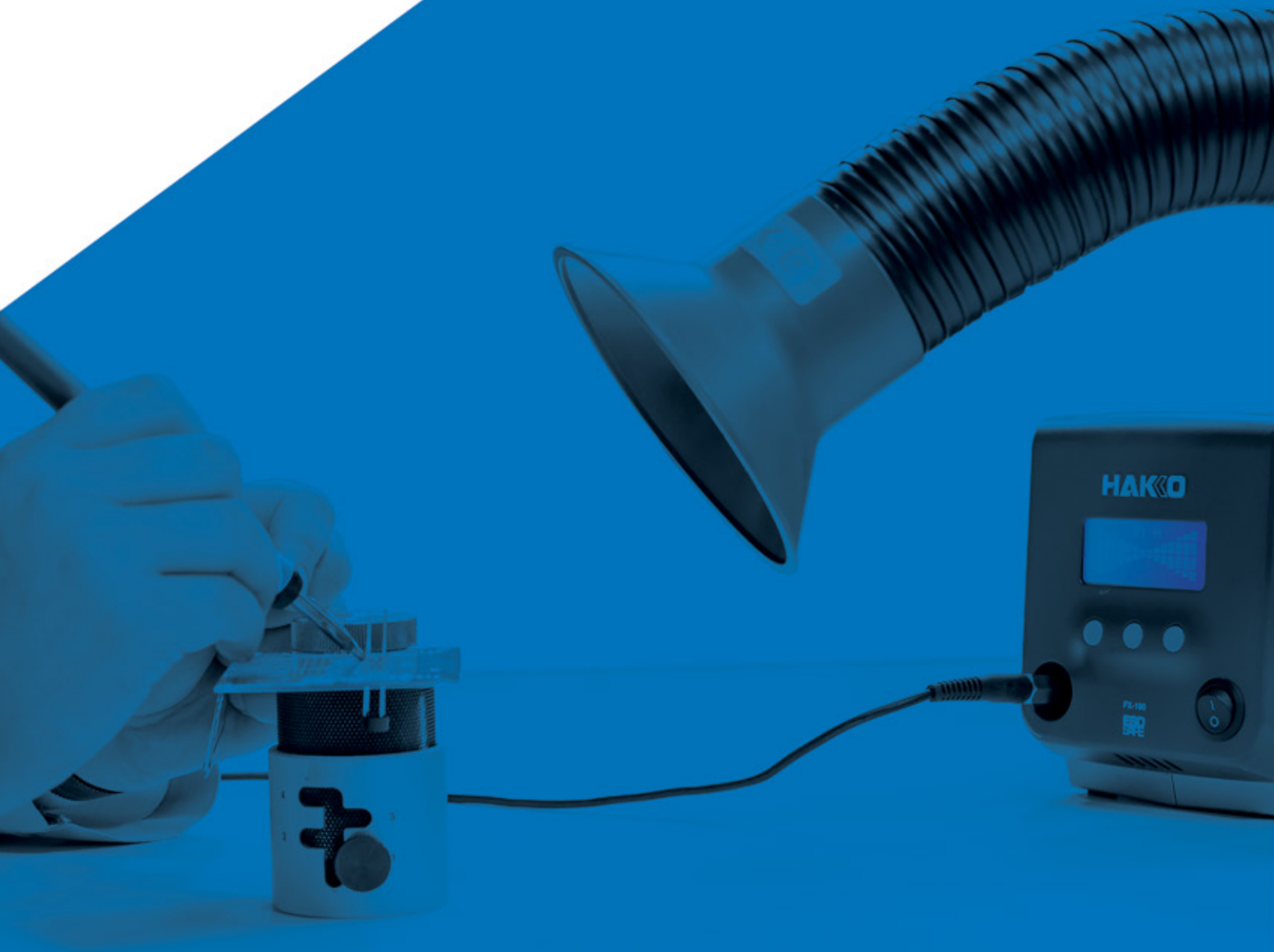
Continually striving to put a smile on our customers' faces has always been our number one priority. You can hear it when you call into our customer service and you can see it on our products. Our process for creating a better product always starts with the customer and we'd like to involve them in on that process as much as possible. The Hakko Tips E-Newsletter is our way to **connect** them to that experience, to **inform** them, and let them **grow** with us.



Embrace. Empower. Future.

HAKKO DONATES

American Hakko Products, Inc. with the mission of building a better **future** for younger generations, is dedicated to the community, universities and schools whose main focus is on engineering where people come from all walks of life to build something together. Over the years we've prided ourselves in assisting in this endeavor by inspiring and **empowering** the next generation to **embrace** their skills of soldering using Hakko products.



American Hakko Products, Inc.

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