XYtronic-USA
LEAD FREE

XYtronic-USA
a White Industrial Company

LF-853D
see page 6

XYtronic-USA

XYtronic Soldering Tools are the ideal solution for mid-level production and repair organizations seeking to match technical performance, price affordability, and equipment durability.

With a track record of over 25 years of expertise in the design and manufacture of soldering systems, XYtronic Soldering Tools are today the preferred choice by customers in over 50 countries. It is the successful convergence of technical performance, price affordability, and equipment durability that is again the hallmark and focus of XYtronic engineering.

XYtronic manufactures a broad range of soldering equipment, fume extraction products, and work bench soldering aids. Xytronic's core strength is " temperature controlled soldering stations" which make up the bulk of XYtronic's sales and are a key piece of equipment for the electronics industry. And in keeping with the demands of the industry, Xytronic Soldering Stations are manufactured to meet or exceed MILSPEC, RoHS, and CE requirements.

In the 1980's, XYtronic became the first company to patent the "electronically controlled soldering station"! This unique patented design allowed XYtronic's customers to fine tune their soldering temperatures without changing the tip. Today's XYtronic continues its time honored tradition of improved product design– continually adding new features and accessories to address the changing needs of the industry.

With over 300 Distributors Located in North America, XYtronic products are easily obtainable and well supported. To learn more about Xytronic products and the many benefits of owning a XYtronic System, please visit our website at: www.xytronic-usa.com We hope you enjoy the catalogue and choose the XYtronic Brand for your next purchase. You will be glad you did!

For more information regarding the many products offered by XYtronic-USA, please contact us at:
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Iron & Station Compatibility Chart

★ = Standard ● = Optional X = Not Available

Part # / Stations	HF-90ESD	HF-150ESD	105U	106U	107ESD	108ESD	206ESD	207	207ESD	208ESD	210ESD	307(A)	TWZ70	TWZ80	TWZ90	TWZ100	DIA100	HAP80
168-3CD	X	X	X	X	X	X	●	★	●	X	X	X	X	X	X	X	X	X
LF-369D	X	X	X	★	X	X	X	X	X	X	X	X	X	X	X	X	X	●
LF-389D	X	X	★	X	X	X	X	X	X	X	X	X	X	X	X	X	X	●
LF-852D	X			— *see page 22 for Hot-air Nozzles available for the LF852D, LF853D, & LF855D* —														
LF-853D	X	X	X	X	X	X	X	X	X	X	★	X	X	X	X	●	★	★
LF-855D	★	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	★
LF-1560	X	X	X	X	X	X	X	X	X	★	X	X	X	X	X	X	X	X
LF-1600	X	X	X	X	X	★	X	X	X	X	X	X	X	X	X	X	X	X
LF-1680	X	X	X	X	X	★	X	X	X	X	X	X	X	★	X	X	X	X
LF-3000	★	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LF-3500	X	★	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LF-8800	X	X	X	X	X	X	X	X	X	X	X	★	X	X	X	●	★	●
Item Type	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Tweezers	Tweezers	Tweezers	Tweezers	DeSolder Iron	Hot Air Pencil

★ = Standard ● = Optional X = Not Available

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168-3CD Auto Temp

Electronic Temperature Controlled, Desktop Soldering Station

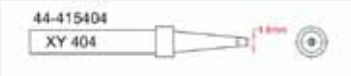
Key Features:

- **Digital Display Station:** Includes 3 digit LED display accurately indicating the current tip temperature directly. LED's indicator lights are used to signal Heater "ON" (Red). Unit is fully grounded.
- **Nichrome Heating Element:** Precision wound at the end of the stainless steel barrel to ensure maximum temperature as close to the working surface of the tip as possible, resulting in both rapid heat-up and instant heat recovery. Light Weight Soldering Iron with an Ergonomic mini-handle that stays cool and prevents operator fatigue.
- **Auto-Temp:** Electronic circuitry enables the user to change the temperature at the tip from 150°C (300°F) through 450°C (850°F) without changing the tip or heating element.
- **Zero Voltage:** Revolutionary electric "Zero Voltage" protects voltage and current sensitive components (CMOS Devices), against transient voltage spikes caused by using mechanical switches.
- **Temperature Read Out:** Digital Display
- **Isolated Power Unit:** Power unit is isolated from the A.C. line by the transformer and only 24Vac isolated voltage is used to drive the heater element. The soldering tip is grounded through the power unit to ensure less than 0.5 millivolt or 0.03 microampere leakage.

Ships with:

- XY-207: Soldering iron assembly with tip #44-415404
- AC power cord with plug
- Waterless tip dresser
- Iron stand
- Operating Instructions

168-3CD Standard Tip: Additional tips on pages 23-24



Product Description:

60Watt Digital Soldering Station with NICHROME heating element. Upgraded from the exclusive 168-3C to include upgraded housing, digital read out and easy access calibration port for convenient fine tuning.

MODEL	168-3CD Desktop Soldering Station	
Input	220-240Vac 50Hz/	100-120Vac 60Hz
Wattage	60W	
Temperature Range	150°C - 480°C /300°F - 800°F	
Standard tip	44-415404	

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These Stations have been discontinued	These are their replacements
168-3C	168-3CD
137ESD	LF-1600
988D	LF-8800
LF-1000	LF-3500
LF-2000	LF-3000
LF-6000	LF-8800
LF-7000	LF-8800
LF-8000	LF-8800
379	LF-369D
850D	LF-852D
852D	LF-852D

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LF-369D / LF-389D
Mini Type Soldering Stations

Electronic Temperature Controlled, Desktop Soldering Stations

Key Features:

- **Heater/Sensor Failure Detection:** If sensor circuit fails, the heater power is shut down.
- **Energy Saver Mode:** If the station is left idle for 20 minutes, the energy saver feature will automatically engage, resetting the temperature to 150°C from the previous setting.
- **Temperature "Lock-Out" feature:** The temperature can be locked with a password code.
- **ESD Safe and Spike Free circuitry:** The "Zero Voltage" electronic switching design protects voltage and current sensitive components (CMOS devices, etc.) against damaging current and transient voltage spikes commonly produced by less efficient, mechanically switched stations.

LF-369D Ships With:

- 106U: Soldering iron with pre-loaded standard tip: 44-510601
- AC power cord with plug
- Waterless tip dresser
- Iron stand
- Operating instructions

LF-389D Ships With:

- 105U: Soldering iron with pre-loaded standard tip: 44-510601
- AC power cord with plug
- Waterless tip dresser
- Iron stand
- Operating instructions

LF-369 D Standard Tip: Additional tips on pages 23-24

Product Description:

XYtronic's LF-369D electronically temperature controlled miniature 45 watt soldering station. Provides all the benefits of temperature regulation and can easily be adjusted in temperature.

SPECIFICATIONS:

Model	LF-369D		LF-389D	
Input	220–240Vac 50Hz	100–120Vac 60Hz	220–240Vac 50Hz	100–120Vac 60Hz
Output	45W		60W	
Fuse (Fast type)	0.5A	1A	0.5A	1A
Temperature Range	150–480°C / 302–869°F		150–480°C / 302–869°F	
Soldering Iron	106U		105U	
Standard Tip	44-510601		44-510601	
Energy Saver Mode	150°C /302°F		150°C /302°F	
	Temperature correction value"00"		Temperature correction value"00"	
Dimensions	105 x 90 x 90mm (W x H x D)		105 x 90 x 90mm (W x H x D)	

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LF-852D Digital Rework Station

Temperature controlled Hot-Air rework station with built in intelligent microcomputer chip, specially designed for Lead Free SMD rework RoHS.

Product Description:

The "High Power Hot Air SMD LF-852D" This tool is specially designed for soldering, desoldering Surface Mount Devices with temperature controlled hot air. The LF-852D incorporates a U.S.A. manufactured, self contained, Hi Flow air pump. A long-life nichrome heater insures accurate and sufficient heat when and where you need it.

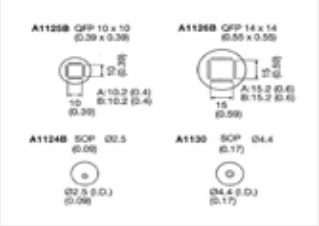
A wide range of Air Nozzles are available to meet all your QFP and PLCC flat pack needs. See full selection on page 18.

SPECIFICATIONS:

Model	LF-852D
Power Voltage	100–120VAC 60HZ or 220–240VAC 50Hz
Power Consumption	600W (max)
Pump	Diaphragm115V 120Vac 230V - 240Vac
Air Flow Capacity	1.5L-40L / Minute (Max.) air flow
Heating Element	Nichrome–600W
Hot Air Temperature	100°C–480°C / 212°F–896°F
Dimension	283(W)*120(H)*190(D) mm

Key Features:

- ESD Safe. Easy View digital LCD temperature read-out.
- **Sensor/Pump Failed Detection:** If sensor circuit fails, the heater power is shut down.
- **Quick Heat Up:** High power heating element. Momentary power can reach 600W.
- **Temperature "Lock-Out" feature:** The temperature can be locked with a password code - for production line management.
- **Temperature Adjustable:** For removing QFP, SOP, PLCC or SOJ chips etc., especially built in static free circuit design safety for sensitive elements like CMOS ICs.
- **Auto Cooling Design:** When the power switch is off, the cooling system will begin to work automatically, the temperature falls down to 100°C /212°F to protect the heating element from burning.
- **Hot Air Function:** 600W High power heating element. Temperature adjustable, for removing QFP, SOP,PLCC or SOJ chips, etc. Static Free circuit design - safe for working with CMOs and ICs. Sensor/ Pump Failed Detection, Auto-Cooling design. Heating element with Auto-Protection Function.
- **BONUS OFFER:** Your 852D will ship with a free set of stainless steel, anti-magnetic rework tweezers, a replacement heating element and 4 (four) complimentary air nozzles (A1124B, A1130B, A1125B, A1126B), included in the price.



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LF-853D Multi Function SMD Rework System

This Multi-Function SMD Rework System is designed to handle your most challenging rework & repair jobs

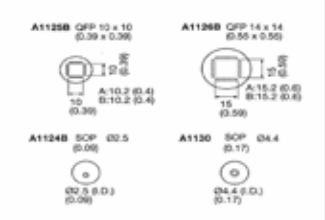
Key Features:

- Easy View digital LCD temperature read-out & ESD Safe.
- Air flow is continuously adjustable for High or Low Volume requirements.
- Electronically controlled temperature system with Digital Readout in preset and actual temperature.
- Heater Damage Control Circuit provides for Automatic “Cool Down Mode” to extend the life of the heating element
- **Delayed Suction:** To eliminate the problem of solder clogging up the tip, a delayed switch feature has been incorporated for the unit that allows the pump to continue sucking for 1.5 seconds after the actuator switch is released.
- **Hot Air Function:** 600W High power heating element. Temperature adjustable, for removing QFP, SOP,PLCC or SOJ chips, etc. Static Free circuit design - safe for working with CMOs and ICs. Sensor/Pump Failed Detection, Auto-Cooling design. Heating element with Auto-Protection Function.

Ships With:

- Soldering Iron pre-loaded with standard tip
- Desoldering Iron with pre-loaded standard tip
- Hot air wand with 4 air nozzles
- Two iron holders w/ cleaning element
- Hot air holder
- 5 piece tweezer hand tools
- IC popper
- AC power cord
- Operation Manual

Hot Air Nozzles included with order of the LF-853D:
A1124B
A1130B
A1125B
A1126B



Product Description:

The XY-LF 853D will handle your most challenging rework & repair jobs while saving you work space with its unique “three in one” design. Specializing in lead free soldering/desoldering, surface mount devices with temperature controlled hot air.

SPECIFICATIONS:

Model	853D
Power Supply	100–120VAC or 220–240VAC
Soldering Power Consumption	100W
De-Soldering Power Consumption	170W
Hot Air Power Consumption	600W
Fuse (Fast Type)	10A / 15A
Pump	Diaphragm
Air Flow Capacity	1.5 L / Min. - 40L / Min
SIA Temperature Range	150°C-480°C / 302°F-896°F
DIA Temperature Range	300°C–450°C / 572°F–882°F
Hot Air Temperature Range	100°C–480°C / 212°F–896°F
Dimension	87(W)*135(H)*245(D) mm
Weight	12kg

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LF-855D Multi-Function SMD Rework System

Combining the best of the LF-3000 and the LF-852D

Product Description:

LF-855D Multi-Function SMD Rework/Solder Station. Combing two stations in one, saving space and increasing efficiency. This unit is specially designed for Lead Free Soldering/Desoldering surface mount devices with temperature controlled hot air.

SPECIFICATIONS:			
Model		LF-855D Multifunction SMD Rework Station	
Power Voltage		220–240Vac 50Hz	100–120Vac 60Hz
Power Consumption (MAX)		700W	
Fuse (Fast type)		5A (fast type)	10A (fast type)
Weight		17 lbs	
Solder	Power Consumption	Solder = 90W / Hot Air = 600W	
	Temperature Range	100°C–520°C (212°F–896°F)	
	Sleeping Temperature	100°C	
	Temp Correct. Range	+99°C ~ -99°C /+178°F ~ -178°F	
	Soldering Iron	HF 90 includes tip: 44-413077	
	Default Set	F-1: “000”	
		F-2: “00”	
		F-3: “100”	
		F-4: “C”	
Hot Air	Power Consumption	600W	
	Air Flow	1.5L/Min - 40L/Min	
	Temperature Range	100°C–480°C (212°F–896°F)	
	Air Flow	00-99	
	Default Setting	F-1: “000”	
		F-2: “C”	
		Temperature 100°C Air Flow 00	

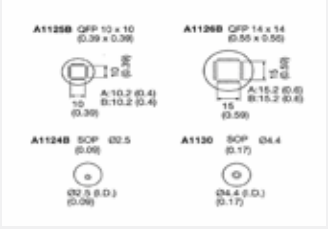
Key Features:

- **Heater/Sensor Failed Detection:** If sensor circuit fails, the heater power is shut down.
- **Quick Heat Up:** High power heating element. Momentary power can reach 600W.
- **Temperature “Lock-Out” feature:** The temperature can be locked with a password code - for production line management.
- **Temperature Adjustable:** For removing QFP, SOP, PLCC or SOJ chips etc., especially built in static free circuit design safety for sensitive elements like CMOS ICs.
- **Auto Cooling Design:** When the power switch is off, the cooling system will begin to work automatically, the temperature falls down to 100°C /212°F to protect the heating element from burning.
- **Auto Protecting Function:** When heating element reaches a high temperature which can be protected automatically - extending the life of the heating element.
- **Hot Air Function:** 600W High power heating element. Temperature adjustable, for removing QFP, SOP,PLCC or SOJ chips, etc. Static Free circuit design - safe for working with CMOs and ICs. Sensor/Pump Failed Detection, Auto-Cooling design. Heating

Ships With:

- Soldering Iron pre-loaded with standard tip
- Hot air wand with 4 air nozzles
- Iron holder w/ cleaning element
- Hot air holder
- 5 piece tweezer hand tools
- IC popper
- AC power cord
- Operation Manual

Hot Air Nozzles included with order of the LF-853D:
A1124B
A1130B
A1125B
A1126B



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LF-1560 Analog Soldering Station

Our exclusive LF-1560. Bringing back the much requested analog feature and easy access calibration port.

Key Features:

- **Heater / Sensor Failed Detection:** If sensor circuit fails, the heater power is shut down.
- **Temperature "Lock-Out" feature:** Manual adjustment with allen head screw on front. Allen key included.
- **Temperature Read Out:** Analog display in both Fahrenheit and Centigrade.
- **Low voltage Output With Safety Operation:** The power unit is isolated from the A.C. line by a transformer and allows 36Vac to drive the heating element. Solder wand runs from 36 Volts for safety and with 90W high power PTC heater for a super-fast heat-up and quick temperature recovery. The solder wand is attached with heat resistant, non-burning, flexible 6-wire cord.
- **ESD Safe and Spike Free Circuitry:** The "Zero Voltage" electronic switching design also protects voltage and current sensitive components (CMOS devices, etc.) against damaging current and transient voltage spikes commonly produced by less efficient, mechanically switched stations.
- **Earth Jack:** With a grounding connector, there is the possibility for a grounding of the wire strap if required.

Ships With:

- Soldering Iron pre-loaded with standard tip #44-415404
- Iron holder w/ cleaning element
- AC power cord
- Operation Manual

LF-1560 Standard Tip: Additional tips on pages 23-24

Product Description:

Our exclusive LF-1560, 60 watt soldering station. Bringing back the much requested analog feature displaying temperature in both Fahrenheit and Centigrade, helping to accurately control temperature settings and easy access calibration port. This solid station is equipped with the nichrome heating element; nichrome being most preferred for its relatively high electrical resistivity and resistance to oxidation at high temperatures, making it popular for its corrosion-resistant and high melting point. The popular features of the LF-1560 keep your jobs hassle free, the ideal tool for service, repairs and production line soldering.

SPECIFICATIONS:

Model	LF-1560
Power	60W
Output	24Vac
Melting Point	215°C /415°F
Normal Operation	270-320°C (516 -608°F)
Production Line Operation	320-380°C / (608-716°F)
Soldering Iron ships with tip	207 / 207ESD Tip: 44-415404

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LF-1600 Production Grade 80W Lead-Free Soldering Station

Xytronic LF-1600 High-Power Lead Free Soldering Station Production Grade Intelligent Process Control

Product Description:

Xytronic LF-1600, 32Vac/80Watt Digital Soldering Station with aluminum housing and ceramic heating element. The LF-1600 incorporates electronic circuitry which enables the user to alter tip temperature from 200°C-48°C (392°F-896°F) without changing tips or heating elements.

SPECIFICATIONS:			
Model	LF-1600		TWZ70
Input	110–115Vac 50Hz	220–240Vac 60Hz	Optional
Output	32Vac/80W		
Temperature Range	200°C–480°C (392°F–842°F)		
Temperature Stability	± (3° C / 6°F) of idle		
Soldering Iron	108ESD		
Standard Tip	44-510601		46-060102
Energy Saver Mode	200°C / 392°F		
	Temperature correction value“00”		
Dimensions	4.3”x 6.2”x 5.4” (W x H x D)		
Weight (Unit only)	5.5 lbs		

Key Features:

- **Heater/Sensor Failure Detection:** If sensor circuit fails, the heater power is shut down.
- **Temperature “Lock-Out” feature:** The temperature can be locked with a password code.
- **ESD Safe and Spike Free Circuitry:** The “Zero Voltage” electronic switching design also protects voltage and current sensitive components (CMOS devices, etc.) against damaging current and transient voltage spikes commonly produced by less efficient, mechanically switched stations.
- Option: 70Watt Tweezer

Ships With:

- Soldering Iron pre-loaded with standard tip
- AC power cord
- Operation Manual
- Iron Stand with Waterless Tip Dresser.

LF-1600 Standard Tip: Additional tips on pages 24

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LF-1680 Soldering and SMT Tweezer Desoldering Station

Key Features:

- **Heater/Sensor Failure Detection:** If sensor circuit fails, the heater power is shut down.
- **Temperature "Lock-Out" feature:** The temperature can be locked with a password code.
- **ESD Safe and Spike Free Circuitry:** The "Zero Voltage" electronic switching design also protects voltage and current sensitive components (CMOS devices, etc.) against damaging current and transient voltage spikes commonly produced by less efficient, mechanically switched stations.

Ships With:

- Soldering Iron pre-loaded with standard tip
- SMD Tweezer with pre-loaded standard tip
- Iron holder w/ cleaning element
- Tweezer holder
- AC power cord
- Operation Manual

LF-1680 Standard Tip: Additional tips on pages 23-24

TWZ60 Standard Tip: Additional tips on page 24

Product Description:

80Watt, Micro digital Soldering and SMD desoldering rework station. Aluminum alloy housing with ceramic heating element. Designed for both lead free soldering and SMD chips, SOT, Flat pack ICs' etc. reworking without alternating the wands.

SPECIFICATIONS:			
Model	LF-1680		TWZ80
Input	220–240Vac 50Hz	100–120Vac 60Hz	
Output	32Vac/80W		
Fuse (Slow type)	T1A	T2A	
Temperature Range	200°C–480°C (392°F–896°F)		200°C–480°C 392°C–896°C
Temperature Correction Range	+99°C ~-99°C /+210°F ~-210°F		
Soldering Iron	108ESD		
Standard Tip	44-510601		46-060102
Energy Saver Mode	200°C / 392°F		
	Temperature correction value"00"		
Dimensions	105 x 90 x 126mm (W x H x D)		
Weight (Unit only)	1.5 kg		

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168-3CD Auto Temp - Lead Free

Electronic Temperature Controlled,
Desktop Soldering Station

Product Description:

60Watt Digital Soldering Station with NICHROME heating element. Upgraded from the exclusive 168-3C to include upgraded housing, digital read out and calibration port added to the front base for convenient fine tuning.

MODEL	168-3CD Desktop Soldering Station	
Input	220-240Vac 50Hz/	100-120Vac 60Hz
Wattage	60W	
Temperature Range	150°C - 480°C /300°F - 800°F	
Standard tip	44-415404	

Key Features:

- **Digital Display Station:**
  Includes 3 digit LED display accurately indicating the current tip temperature directly. LED's indicator lights are used to signal Heater "ON" (Red). Unit is fully grounded.
- **Nichrome Heating Element:**
  Precision wound at the end of the stainless steel barrel to ensure maximum temperature as close to the working surface of the tip as possible. Resulting in both rapid heat-up and instant heat recovery. Light Weight Soldering Iron with an Ergonomic mini-handle that stays cool and prevents operator fatigue.
- **Auto-Temp:**
  Electronic circuitry enables the user to change the temperature at the tip from 150°C (300°F) through 450°C (850°F) without changing the tip or heating element.
- **Zero Voltage:**
  Revolutionary electric "Zero Voltage" protects voltage and current sensitive components (CMOS Devices), against transient voltage spikes caused by using mechanical switches.
- **Temperature Read Out:**
  Digital Display in both Fahrenheit and Centigrade, helps technicians accurately control temperature settings.
- **Isolated Power Unit:**
  Power unit is isolated from the A.C. line by the transformer and only 24Vac isolated voltage is used to drive the heater element. The soldering tip is grounded through the power unit to ensure less than 0.5 millivolt or 0.03 microampere leakage.

Ships with:

- XY-207: Soldering iron assembly with tip #44-415404
- AC power cord with plug
- Waterless tip dresser
- Iron stand
- Operating Instructions

168-3CD Standard Tip: Additional tips on pages 23-24

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LF-3000 High Frequency Soldering Station

High Frequency, High Heat Capacity Soldering Station

Key Features:

- **Heater / Sensor Failed Detection:** If sensor circuit fails, the heater power is shut down.
- **Temperature "Lock-Out" feature:** The temperature can be locked with a password code - for production line management.
- **High Power, Great Recovery:** 90 Watts, giving you high power and great thermal heat recovery, while minimizing the concerns with heat on components and tip life. Your soldering work time is shortened as well.
- **Energy Saver:** If the station is set to the auto sleep function setting mode, after the station has been idle for more than 20 minutes, this new feature will automatically kick in. Once the energy saver feature has engaged, tip temperature decreases, and extending tip life.
- **Low voltage Output With Safety Operation:** The power unit is isolated from the A.C. line by a transformer and allows 36Vac to drive the heating element. Solder wand runs from 36 Volts for safety and with 90W high power PTC heater for a super-fast heat-up and quick temperature recovery.
- **ESD Safe and Spike Free Circuitry:** The "Zero Voltage" electronic switching design also protects voltage and current sensitive components (CMOS devices, etc) against damaging current and transient voltage spikes commonly produced by less efficient, mechanically switched stations.
- **Earth Jack:** With a grounding connector, there is the possibility for a grounding of the wire strap if required.
- **Ships With:**
  HF-90 Soldering iron assembly with pre-loaded standard tip
  AC Power cord with plug
  Waterless tip dresser
  Iron stand
  Operating instructions

LF-3000 Soldering Tip: Additional tips on page 24

Product Description:

90 Watt soldering station. Lead free with high frequency, high heat capacity, specializing in fast heat up and fast heat recovery.

SPECIFICATIONS:		
Model	LF-3000	
Input	220–240Vac / 50Hz	100–120Vac / 60Hz
Output	36Vac / 90W	
Fuse (Slow type)	T1A	T2A
Temperature Range	100°C–500°C (212°F–932°F)	
Temp Correction Range	+99°C ~-99°C /+210°F ~-212°F	
Soldering Iron	HF-90	
Soldering Tip	44-413077	
Default Set	100°C / 212°F	
	No Password	
	Temperature correction value"00"	
Dimensions	111 x 158 x 137mm (W x H x D)	
Weight (Unit only)	25 kg / 6.5 lbs	

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LF-3500 High Frequency Soldering Station

Fast climbing temperatures and Lead Free Soldering

Product Description:

150 Watt, High heat, high frequency soldering station. Lead free with fast climbing temperatures, bringing you rapid heat recovery.

SPECIFICATIONS		
Model	LF-3500 High Frequency Soldering Station	
Input	220-240 Vac. 50Hz	100-120 Vac 60Hz
Output	36Vac/150W	
Fuse (Slow type)	T2A	T5A
Temperature Range	100°C-480°C / 212-896°F	
Temperature Correction Range	+99°C - 99°C / +210°F - 210°F	
Soldering Iron	HF-150	
Default Set	100°C/ 212°F	
	No Password	
	Temperature Correction Value "00"	
Dimensions	111(W) x 158(L) x 137(H) mm	

Key Features:

- **Heater / Sensor Failed Detection:** If sensor circuit fails, the heater power is shut down.
- **Temperature "Lock-Out" feature:** The temperature can be locked with a password code - for production line management.
- **High Power, Great Recovery:** 150 Watts, giving you high power and great thermal heat recovery. While minimizing the concerns with heat on components and tip life, your soldering work time is shortened as well.
- **Energy Saver:** If the station is set to the auto sleep function setting mode, after the station has been idle for more than 20 minutes, this new feature will automatically kick in. Once the energy saver feature has engaged, tip temperature decreases, extending tip life.
- **ESD Safe and Spike Free Circuitry:** The "Zero Voltage" electronic switching design also protects voltage and current sensitive components (CMOS devices, etc) against damaging current and transient voltage spikes commonly produced by less efficient, mechanically switched stations.
- **Earth Jack:** With a grounding connector, there is the possibility for a grounding of the wire strap if required.

Ships with:

- HF-150 Soldering iron assembly with tip
- Waterless tip dresser
- Iron stand
- Operating Instructions

LF-3500 Soldering Tip: Call for Tip Chart

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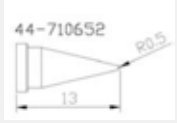
LF-8800 Soldering and Desoldering Station

XYtronic's Best All-Around General Purpose Soldering and Desoldering Station

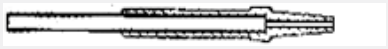
Key Features:

- **Heater/Sensor Failed Detection:** If sensor circuit fails, the heater power is shut down.
- **Temperature "Lock-Out" feature:** The temperature can be locked with a password code.
- **ESD Safe and Spike Free Circuitry:** The "Zero Voltage" electronic switching design protects voltage and current sensitive components (CMOS devices, etc.) against damaging current and transient voltage spikes commonly produced by less efficient, mechanically switched stations.
- **Delayed Suction:** To eliminate the problem of solder clogging up the tip, a delayed switch feature has been incorporated for the unit that allows the pump to continue sucking for 1.5 seconds after the actuator switch is released.
- **Energy Saver Mode:** If the station is left idle for 20 minutes, the energy saver feature will automatically engage, resetting the temperature to 150°C from the previous setting.
- **Iron Working Option:** Both soldering, desoldering irons can be used at the same time.
- **Optional SMD Tweezers:** Specially designed for SMD chips, SOT, Flat pack IC's etc. reworking.
- **Optional Hot Air Pencil (HAP 80):** Removes SMD chips and flat packs up to 25mm.
- **Ships With:**
  307A Soldering iron assembly with pre-loaded standard tip
  DIA100 Desoldering iron assembly with pre-loaded standard tip
  Waterless tip dresser
  2 Iron stands
  Maintenance kit
  Tweezer hand tools
  Fume extractor model 426DLX
  Operating instructions

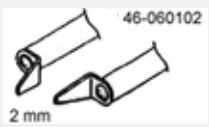
LF-8800 Soldering Tip: Additional tips on page 23



LF-8800 Standard Desoldering Tip: Add'l tips on page 23



TWZ90 Standard Tip: Additional tips on page 24



Product Description:

Multi function station, bringing you 100 Watts of soldering and desoldering combined. Both tools can be used simultaneously or switch one tool out and use with the Optional Tweezer or Hot Air Pencil. A wonderful versatile tool to use in limited work space and for multi-tasking jobs.

SPECIFICATIONS:				
Model	LF-8800			
Main power VAC	110/220v			
Iron assembly	Solder Iron	Desolder Iron	Tweezers (optional)	Hot-Air Pencil (optional)
Part #	307A	DIA100	TWZ 90	HAP80
Heater output	32Va.c.	32Va.c.	32Va.c	32Va.c
Heater power	100W	100W	90W	80W
Vacuum pump operating voltage	115Va.c. for 100-120V 230V.a.c. for 220-240V main power			
Temperature range	150-480°C	300-450°C	150-430°C	200-450°C
	302-896°F	572-842°F	300-800°F	400-850°F
Standard Tip	44-710652	44-915412	46-060102	42-424710
Dimensions	19.1 x 29.2 x 12.1 cm 7.5 x 11.5 x 4.75 in			
Net weight (excluding opt. accessories)	6.2kgs (13.75 lbs)			

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HV-2E-FS Duo Vac Fume Extractor

For a clean–safe work area

hoses easily clamp to support shelf or workbench

The HV2E-FS our Duo Vac Fume extractor clears air of highly toxic and potentially hazardous fumes commonly found in the soldering work environment. It features 3-stage filtration, filter sensor, built in silencers and can be supplied with up to 2 arms per system to cover multiple work stations. We offer a variety of nozzles and hoses to choose from, customizing your fume extractor to meet your needs.

XY-HVSPA6336KTESD	PREMIUM ESD ARM KIT
Fume Extractor not included	4.5” Round Nozzle
	3 foot length 2.5” Flexible Arm - ESD
	2.5” to 3” adapter ESD
	2.5” to 3” adapter ESD
	Table Clamp
	3.5” Hose clamps (2 per pack)
	3” x 3” ESD lower duct hose

Also Available:

XY-76-330003
Prefilter for the HVE fume extraction system. (3 pk)

XY-76-A330001
(Solder fume) HV2E Filter GAS/HEPA 3 Stage combined box style filter. Fits HV2 series high-volume Xytronic, Edsyn and BofA Fume Extractors. Comes with Pre-filter and memory foam seal. Excellent for solder fume extraction

XY-YEDSWAN075
Economy Arm Kit

XY-29-81301AS
Flexible Arm 2.5” ESD / Non ESD
1 Foot Lengths

Key Features:

- Microprocessor Controlled
- Three-Color LED filter condition gauge
- Electronic Air Flow Sensor
- Self-Calibrates to specific arm configuration
- Audible alarm alerts operator of filter change
- Optional 3-Speed air flow adjustment
- Intelligent air flow compensation motor pump speed increases as filter becomes loaded.
- Includes Pre-Filter, general purpose combo filter and power cord
- Includes Locking Wheels for portability.
- **Internal Pump:** Incorporates a brush-less, maintenance free centrifugal fan motor.
- **Air Flow:** 175m3/hr. per 75mm arm.
- **Compact Design:**
  Easily fits under the workbench or in the service/repair center. Weights in at only 14kg. or 30 pounds.
- **Dimensions:**
  H=430mm/17”
  D=330mm/13”
  W=310mm/12”
- **Voltage:**
  110V (HV-2E-110-60-1)
  230V(HV-2E-230-50-1)
- **Output:** 0.25KW, 1.1 amps.
- **Noise Level:**
  <50 db. - built in silencers.
- **Filter Availability:**

  Standard Filter:
  Pre Filter
  P/N XY-76-A330003

  Gas/HEPA Combined Filter
  XY-76-A330001

  Also Available:
  Clean Room Filtration
  VOC Vapor Filtration
- **Warranty:**
  12 Months
  (excludes consumption items)

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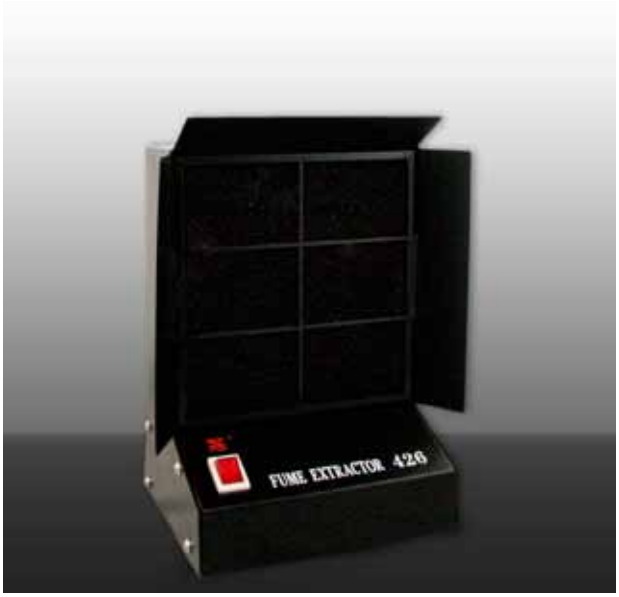
426DLX Bench TopFume Extractor

No More tears! Increased productivity! Improved work environment!...all by removing noxious fumes...



Key Features:

- 22 Watt high performance fan
- Convenient, space saving bench top style
- East to replace activated carbon filter
- Economically and efficiently removes noxious fumes
- Full metal design with ground jack and 3 wire plug
- ESD Safe
- Air Flow: CFM 95/115

Activated-Carbon Filter: Size 130 x 130 x 10 mm (5.1 x 5.1 x 0.4 in.) Amount of Activated-Carbon filter 12g (0.03 lb.) Max. Absorbing weight of noxious components per filter 4 g (0.01 lb.) The filter is made by joining specific foam with refined activated carbon. The dust collection efficiency of the filter is 30% while the carbon filter can absorb up to 30% of its carbon weight in noxious components.

Replacement Filter for XY-426DLX:
XY-76-3313010

Ships with:

- Fume Extractor
- Power cord
- Filter
- Operation Manual

Product Description:

Convenient space saving fume extractor. Safely remove noxious fumes from your work environment, reducing headaches, nausea and eye irritations associated with the exposure to solder fumes. Removable cover enables multiple positions for efficient air ventilation, keep the cover on for up flow ventilation or remove for rear facing ventilation.

426 DLX Fume Extractor Specifications:	
Input power	As requested
Wattage	20-22W
Max. air volume	95/115 CFM
Outer dimensions (W x H x D)	162 x 200 x120 mm (6.38 x 7.78 x 4.72 in)
Weight (Including AC cord)	1600 grams (3.5 lbs.)
Filter size	130 m^2
Filter weight	12 grams

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Optional Accessories

XYtronic-USA EF-8300 Flux Halide Free RMA No-Clean

XY-EF8300 – No Clean Liquid Flux EF-8300 is a rosin-containing, alcohol based flux designed to optimize solderability and reliability. It is formulated for both standard and thicker, high-density PCBs in both Lead-free (standard SAC and Low Ag SAC alloys) and eutectic tin/lead processes. It is designed to have low bridging on bottom side QFPs, as well as provide superior performance in hole-fill and solderballing. Additionally, it provides good lead free solder joint cosmetics with an evenly spread, tack free residue.

2 oz / 4 oz / 8 oz /16 oz / & 1 Gallon sizes available

XYtronic-USA EF-6100-R Alcohol-Based, No-Clean Rework Flux

XYtronic-USA EF6100-R Rework Flux. Excellent for rework soldering, high reliability and board cosmetics. EF-6100-R exhibits fast wetting using Pb-Free and SnPb alloys. Xytronic-USA EF-6100-R is a highly reliable, easy to use, no-clean rework flux.

2 oz / 4 oz / 8 oz /16 oz / & 1 Gallon sizes available

Handy Flux Pen Applicator - Refillable

Measuring just 4.875” inches, the Handy Flux Pen offers an easy method to apply liquid flux to any solder joint. The exclusive two piece barrel handle is transparent for easy refilling. Flux is delivered on demand by squeezing the tool’s comfort grip barrel, distributing the flux through the tools soft nylon brush tip. The Handy Flux Pen keeps flux volume under control and saves money. Refillable design. Order multiple Handy Flux Pens if using different types of flux to keep your flux chemistry contaminate free.

XY-460 – Tip Cleaner stand w/ element

Heavy duty stand with tip cleaning element included. Heavy weight with rust proof pad. Cleaning element made of brass, helping increase the life longevity of your tips.

XY-459 – Tip Cleaner

Replacement tip cleaning element. Made of brass, helping increase the life longevity of your tips.

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Optional Accessories

Purchase individually or make it a kit!

Economic 3X and 5X Diopter Bench Top Magnification Lights

XYtronic's JF-22CB & JF-33CB are economical solutions to bench top magnification and lighting challenges. The JF-33CB Offers 5X Diopter, the JF-22CB offers 3X Magnification Compare And Save With XYtronic.

Precision Tweezer Combo Kit

6 piece Tweezer Set ships with the following Tweezers:
SS-sa, 2A-sa, 3C-sa, OO-sa, 5-sa, SSH-sa
Professional stainless steel tweezers. Acid resistant, and Non-Magnetic, High-Tensile Strength Stainless Steel with finely machined tips allow for precision pick-up and placement, soft touch feel and extended Life span. Compare our pricing and features to the competition and you will see the value in the Xytronic tweezer line.

XYtronic Hot Air Pencil

Replacement/Optional Hot air pencils. Great accessory for your stations. Available in different wattages. ***Check the compatibility page or your station manual to assure pencil compatibility with your station***

Plier & Cutters

The right tool for the right job, our precision crafted comfort grip mini hand tools are specially designed for the electronics industry, featuring SUS#320 stainless steel material with a Rockwell hardness rating of 48-52C

XYtronic AX-102 Flat Nose Pliers
140mm (5 1/2") Flat nose with serrated jaws.440 Stainless steel professional quality pliers. For Bending contact and relay springs. Also excellent for adusting IC pins.

XYtronic AX-103 Side Cutters
140mm (5 1/2") Flat nose with serrated jaws.440 Stainless steel professional quality pliers. For Bending contact and relay springs. Also excellent for adjusting IC pins.

XYtronic AX-104 Long Nose Pliers
140mm (5 1/2") Flat nose with serrated jaws.440 Stainless steel professional quality pliers. For Bending contact and relay springs. Also excellent for adusting IC pins.

XYtronic AX-105 Bent Nose Pliers
138mm (5 7/16") Bent nose 45 degree with serrated jaws. Stainless steel professional quality pliers. Great for bending and straightening electronic parts and components

XYtronic AX-106 Mini Cutter w/Deflector Guard 138mm (5 7/16") Bent nose 45 degree with serrated jaws. Stainless steel professional quality pliers. Great for bending and straightening electronic parts and components

XYtronic AX-603 Mini Diagonal Cutter
91mm (3 3/5") Mini Diagonal cutters. 440 Stainless steel professional quality cutters. 48-52 Rockwell Cuts up to 16 Gauge Wire.

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Soldering Irons: Plug & Play

XY-200PHG25: 25Watt Plug and Play soldering iron. Heavy duty with grounded 3 wire, Includes pre-loaded tip. Maximum temperature range: 338°C/640°C—Choose from 44-240503 & 44-240517 replacement soldering tips.

XY-200PHG40: 40Watt Plug and Play soldering iron. Heavy duty with grounded 3 wire, Includes pre-loaded tip. Maximum temperature range: 425°C/640°C—Choose from 44-240503 & 44-240517 replacement soldering tips.

XY-200PHG60: 60Watt Plug and Play soldering iron. Heavy duty with grounded 3 wire, Includes pre-loaded tip. Maximum temperature range: 478°C/892°C—Choose from 44-240603 & 44-240617 replacement soldering tips.

XY-200GX-20: Plug & Play, 20Watt soldering iron with nichrome heating element. Pre-loaded standard tip included. Maximum temperature range: 350C/ 662F **Replacement tips:** 44-415400 series see page 24 for full tip selection.

XY-200GX-25 Plug & Play, 25Watt soldering iron with nichrome heating element. Pre-loaded standard tip included. Maximum temperature range: 410C/770F **Replacement tips:** 44-415400 series see page 24 for full tip selection

XY-200GX-30: Plug & Play, 30Watt soldering iron with nichrome heating element. Pre-loaded standard tip included. Maximum temperature range: 450C/842F **Replacement tips:** 44-415400 series see page 24 for full tip selection

XYtronic 258 Variable Temperature Soldering Iron

Plug & Play 16-30W Variable temp soldering iron. Nichrome heating element. Pre-loaded standard tip included.
Temperature control on the handle as well as an LED to indicate temperature Hi-Low. UL listed.

Replacement Tips: 44-415400 series see page 24 for full selection

XYtronic 236 SMD Tweezer

Plug & Play 70Watt SMD EZ Tweezer with ceramic heating element. Pre-loaded standard tweezer tips included. A fast, efficient method to solder and desolder surface mount devices.

Replacement Tips: 46-060 series see page 24 for full selection

XYtronic TWZ80, TWZ90, TWZ100 Optional Tweezer Attachment

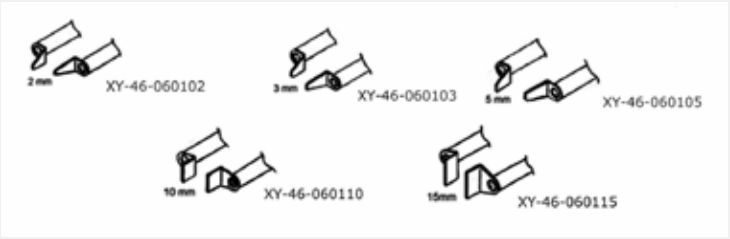
32V 80W, 90W, 100W SMD/SMT Optional Tweezer Attachments

For The LF Series Soldering Stations. Ships with preloaded Tweezer Tip part number 46-060102 (2mm).

Not sure which tips to order? Go to pages 23/24 for tip reference

XYtronic Tweezer Tip Kit

XYtronic TWZTIPKIT, 5 Piece Tweezer Tip Kit Fits all Xytronic SMD/SMT Thermal Tweezers. Tips included: 46-060102, 46-060103, 46-060105, 46-060110, 46-060115



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Tip Kits

Distributor variety packs for customer samples.

XYtronic 413 Tip Kit

9 Piece soldering tip kit to include the following tips:
44-41369, 44-413070, 44-413071,44-413072, 44,413073,
44-413074, 44-413075, 44-413076, 44-413077
also available in our "J" series premium tips.

XYtronic 415 Tip Kit

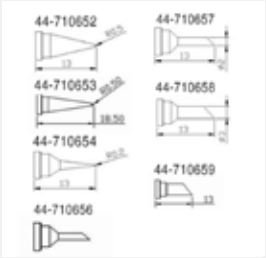
9 Piece soldering tip kit to include the following tips:
44-415401, 44-415402, 44-415403, 44-415404, 44-415405,
44-415406, 44-415410, 44-41541, 44-415430
also available in our "J" series premium tips.

XYtronic 510 Tip Kit

9 Piece soldering tip kit to include the following tips:
Ceramic soldering tips. Compare the XYtronic to the Hakko 900-m series. This kit contains a 9 piece kit that should cover any soldering applications you may have.
Tips included: 44-510601/XYB01, 44-510602/XYB02,
44-510603/XYB03, 44-510604/XYB04, 44-510605/XYB05,
44-510606/XYB06, 44-510610/XYB10, 44-510611/XYB11,
44-510630/XYB30
J Lead Free Series Available

XYtronic 710 Tip Kit

7 Piece soldering tip kit to include the following tips:
44-710652, 44-710653, 44-710654, 44-710656,
44-710657, 44-710658, 44-710659

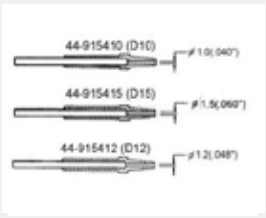


XYtronic 915 Tip Kit

3 Piece desoldering tip kit to include the following tips;
44-915410, 44-915413, 44-915415

XYtronic 915-2075 Tip Kit

3 Piece desoldering tip kit to include the following tips:
44-915410-2075, 44-915413-2075, 44-915415-2075



Not sure which tips go with your station? Go to pages 23/24 for tip reference

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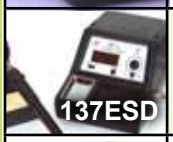
★ = Standard ● = Optional X = Not Available

Discontinued Stations - Spares Still Available

Part # / Stations	107	107ESD	206ESD	207	207ESD	208ESD	210ESD	307A	DIA60	DIA80	TWZ50	TWZ60	TWZ90	TWZ100	HAP80
9-60A	X	X	●	★	●	X	X	X	X	X	●	X	X	X	X
9-60D	X	X	●	★	●	X	X	X	X	X	●	X	X	X	X
 137ESD	X	★	X	X	X	X	X	X	X	X	X	●	X	X	X
168-3C	X	X	●	★	●	X	X	X	X	X	X	X	X	X	X
169-D	X	X	X	X	X	★	X	X	X	X	X	X	X	X	X
379	X	★	X	X	X	X	X	X	X	X	X	X	X	X	X
968	X	X	X	X	X	X	X	X	★	X	X	X	X	X	X
LF1000	X	X	X	X	X	X	★	X	X	X	X	X	●	X	X
LF2000	X	X	X	X	X	X	X	★	X	X	X	X	●	X	X
LF6000	X	X	X	X	X	X	X	X	X	★	X	X	X	X	●
LF7000	X	X	X	X	X	X	★	X	X	★	X	X	X	●	●
LF8000	X	X	X	X	X	X	★	X	X	★	X	X	X	●	●
988	●	★	X	X	X	X	X	X	★	X	●	X	X	X	X
Item	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Twee-zers	Twee-zers	Twee-zers	Twee-zers	Hot Air Pencil

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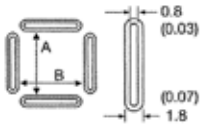
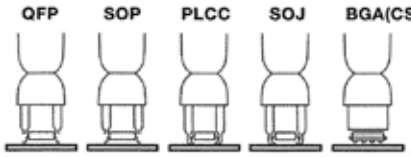
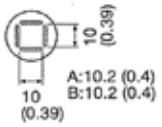
Nozzles for 626, 850D, ★852D ★853D, 855D



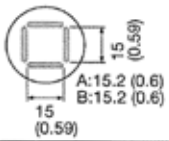


mm (inch)

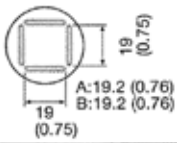
A1125B QFP 10 x 10 (0.39 x 0.39) ★



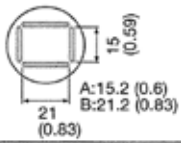
A1126B QFP 14 x 14 (0.55 x 0.55) ★



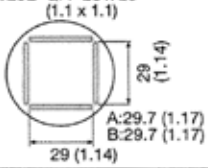
A1127B QFP 17.5 x 17.5 (0.68 x 0.68)



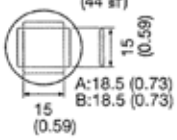
A1128B QFP 14 x 20 (0.55 x 0.78)



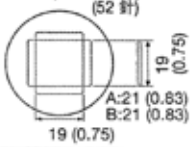
A1129B QFP 28 x 28 (1.1 x 1.1)



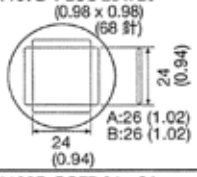
A1135B PLCC 17.5 x 17.5 (0.68 x 0.68) (44 ⫯)



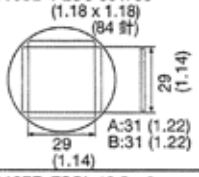
A1136B PLCC 20 x 20 (0.78 x 0.78) (52 ⫯)



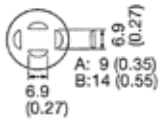
A1137B PLCC 25 x 25 (0.98 x 0.98) (68 ⫯)



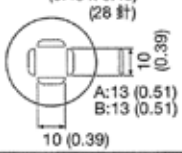
A1138B PLCC 30 x 30 (1.18 x 1.18) (84 ⫯)



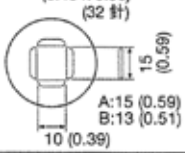
A1139B PLCC 12.5 x 7.3 (0.49 x 0.29) (18 ⫯)



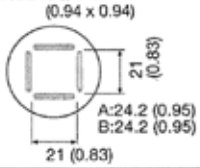
A1140B PLCC 11.5 x 11.5 (0.45 x 0.45) (28 ⫯)



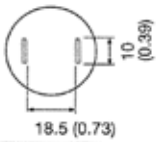
A1141B PLCC 11.5 x 14 (0.45 x 0.55) (32 ⫯)



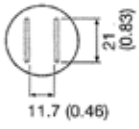
A1182B BQFP 24 x 24 (0.94 x 0.94)



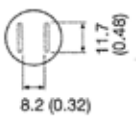
A1187B TSOL 18.5 x 8 (0.73 x 0.31)



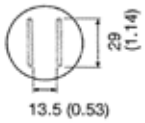
A1257B SOP 11 x 21 (0.43 x 0.83)



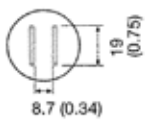
A1258B SOP 7.6 x 12.7 (0.3 x 0.5)



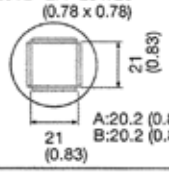
A1259B SOP 13 x 28 (0.51 x 1.1)



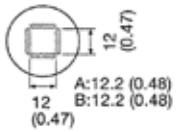
A1260B SOP 8.6 x 18 (0.34 x 0.71)



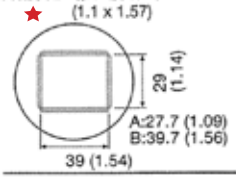
A1261B QFP 20 x 20 (0.78 x 0.78)



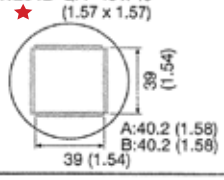
A1262B QFP 12 x 12 (0.47 x 0.47)



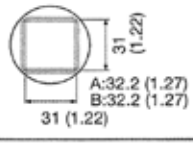
A1263B QFP 28 x 40 (1.1 x 1.57) ★



A1264B QFP 40 x 40 (1.57 x 1.57) ★



A1265B QFP 32 x 32 (1.26 x 1.26)



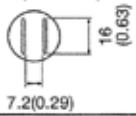
A1124B SOP Ø2.5 (0.09)

A1130 SOP Ø4.4 (0.17)

A1131 SOP 4.4 x 10 (0.17 x 0.39)

A1132 SOP 5.6 x 13 (0.22 x 0.51)

A1133 SOP 7.5 x 15 (0.3 x 0.59)



A1134 SOP 7.5 x 18 (0.3 x 0.7)

A1142B Bent Single 1.5 x 3 (0.06 x 0.12)

A1170

A1110

★ *Starred air-nozzles ship with the LF-852D, LF-853D, and LF-855D*

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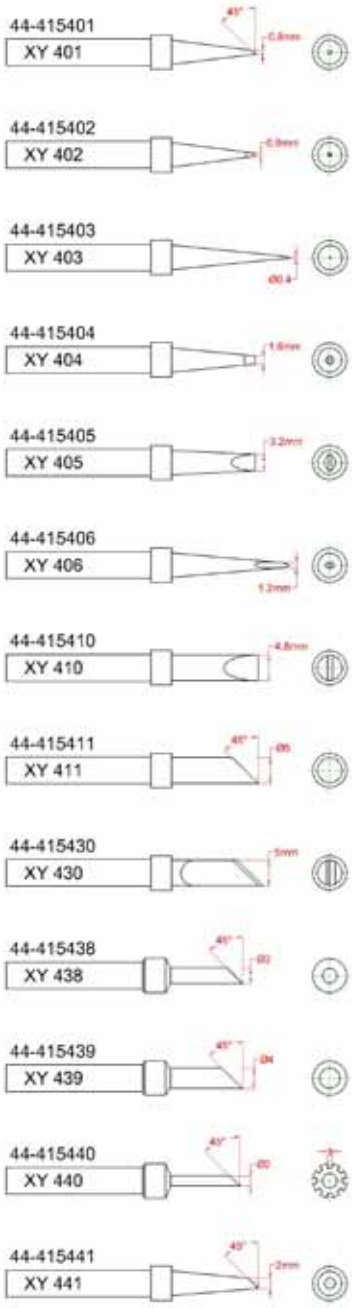
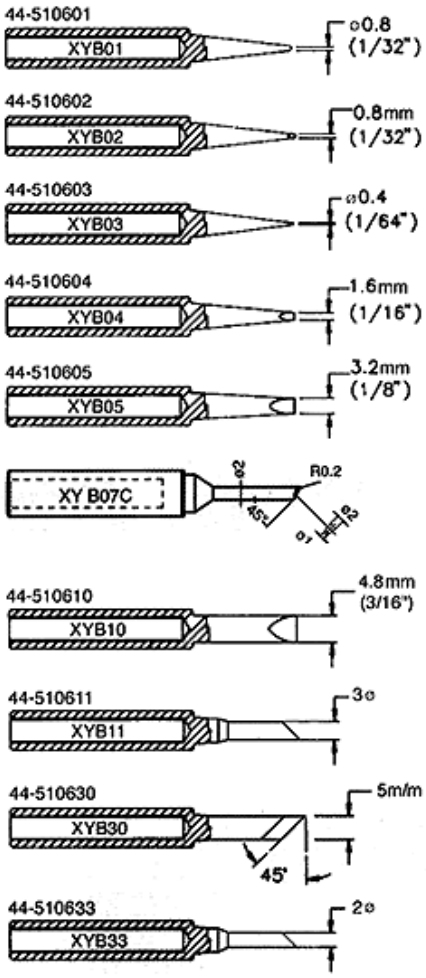
Standard Replacement Tips

We provide the broadest range of soldering equipment, fume extraction products and hand tools to meet all your assembly needs. Our Strength lies in our temperature controlled soldering stations which make up the bulk of XYtronic-USA's sales and are a key piece of equipment for the electronics industry.

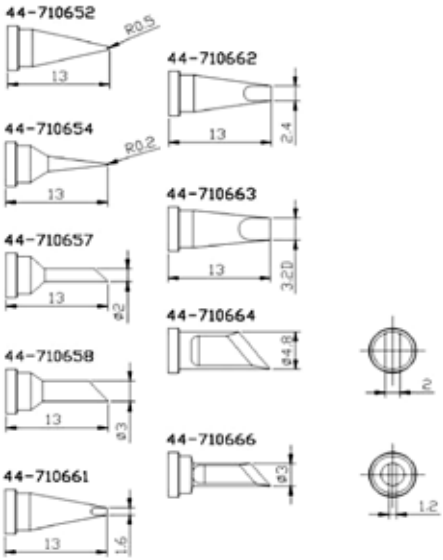
44-415400 (44-16800) series for XY9-60D, XY9-60A, 168-3C, 168-3CD 169D, LF-853D, LF-1000, LF-1560, SIA60, 258, 200GX, 207, 207ESD, 210ESD, 853D, 999SD-A,



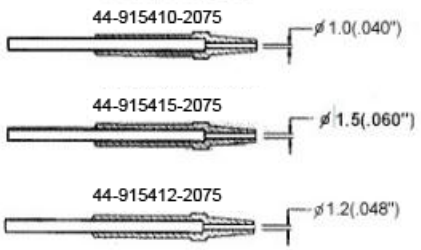
44-510600 series for LF-369D, LF-1600, LF-1680, 136, 136ESD,137ESD, 379, 456DLX, 988, 252, 253, 107, 107ESD, 108ESD, 106U,



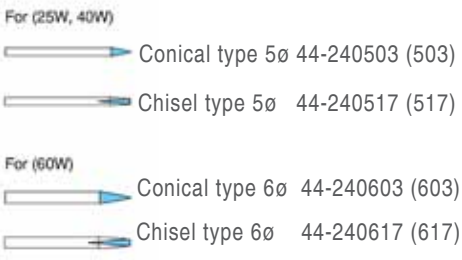
44-710000 series for 100, 307A, LF8800 LF2000



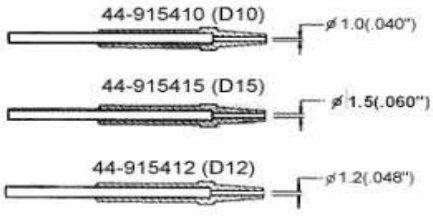
44-915400-2075 series for DIA80 ONLY LF-6000, LF-7000, LF-8000



For 200PHG



44-915400 series for 968, 988, 999SD-A, DIA60A, DIA100, LF-853D, LF-8800



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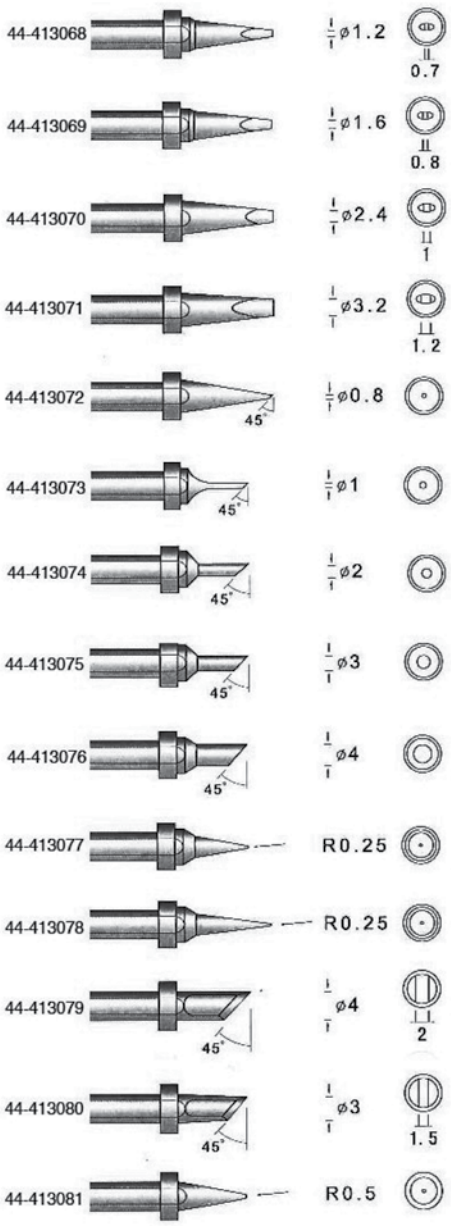
Need LF-3500 Tips?

Call toll free for Tip Chart

(877) 700-6085

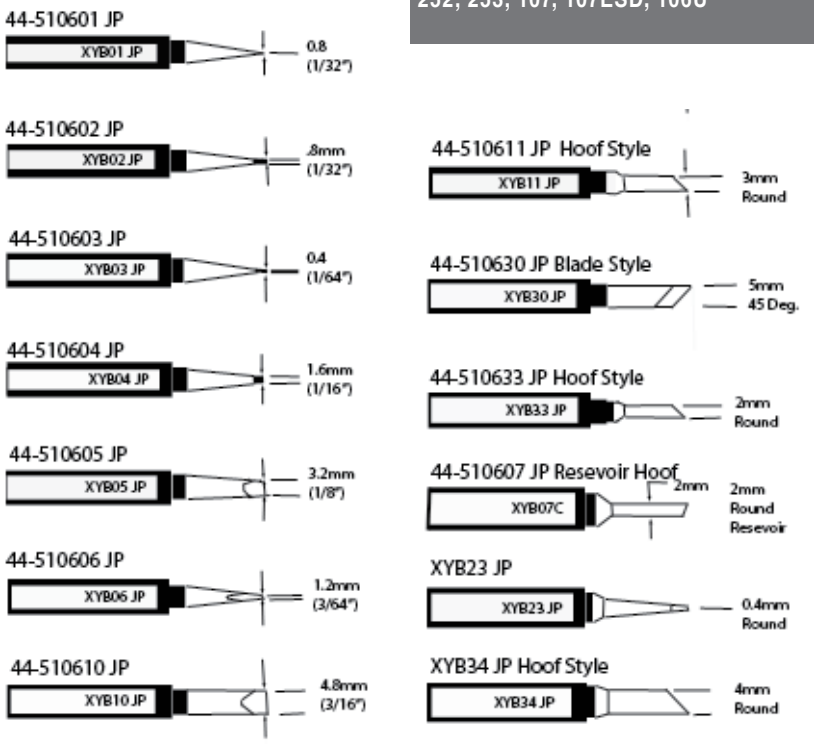
44-413000 series for LF-3000, LF-855D



Premium J Series Replacement Tips

The J Series tips are the choice when a longer life tip is needed in both Lead Free and high-temperature soldering applications.

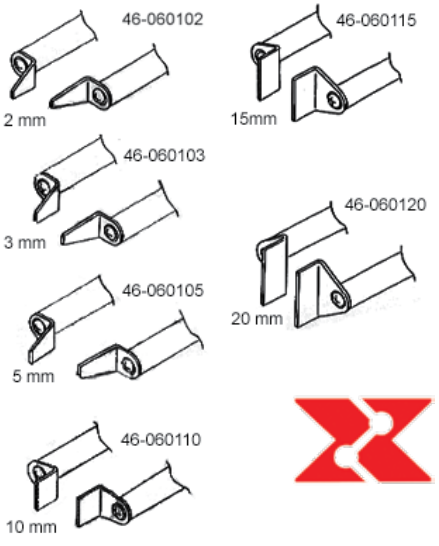
44-510600 J series for LF-369D, LF-1600,LF-1680, 108ESD, for 136, 136ESD, 137ESD, 379, 456DLX, 988, 252, 253, 107, 107ESD, 106U



Tweezer Tips

(can be ordered as a kit)

for TWZ60, TWZ50, TWZ80, TWZ90, TWZ100, 236, 988, XY9-60A, XY9-60D, 136, 136ESD, 137ESD, LF853D,LF855D, LF1000, LF2000, LF8800



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About XYtronic-USA

As a premier supplier of soldering equipment — XYtronic-USA has over 25 years of manufacturing experience invested in developing products, procedures and training for assembling and repairing the most advanced electronics. We manufacture top quality products that meet assembly applications at an economical price. Our products have been adopted worldwide not only by industry and government but by major OEM brand houses as well.

XYtronic-USA provides the broadest range of soldering equipment, fume extraction products and hand tools to meet all your assembly needs. Our strength lies in our temperature controlled soldering stations which make up the bulk of XYtronic's sales and are a key piece of equipment for the electronics industry. In the early 1980's, XYtronic was the first company to develop the electronically controlled soldering station that revolutionized soldering! This patented design allowed XYtronic's customers to fine tune their soldering temperatures without changing the tip. Since then we have made many improvements to the product – adding new features and accessories to address the changing needs of the industry.

This devotion to the development of new products to meet the needs of the rapidly changing electronics industry, especially in the area of SMD repair and rework, as well as striving to further improve customer satisfaction through added features is and continues to be XYtronic's focus

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