



**XYtronic-USA**  
a White Industrial Company



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**FINAL TEST**<sup>MR</sup>  
Venta de Instrumentos de Prueba y Medición

XYtronic-USA's  
**New LF-8800**  
Details on page 10

**FALL / WINTER 2010**

## XYtronic-USA

A premier supplier of soldering equipment — XYtronic-USA has over 20 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.

We invite you to contact our distributors of XYtronic-USA directly for a demonstration of any products in this catalog. You may also visit our website at: [www.xytronic-usa.com](http://www.xytronic-usa.com)



For more information regarding the many products offered by XYtronic-USA, please contact us at:

Phone: USA 530 676-6262 FAX: USA 530 676-6265 | [sales@xytronic-usa.com](mailto:sales@xytronic-usa.com) | 3869 Dividend Drive, Shingle Springs, CA 95682

**Errors and Omissions:** From time to time there may be information on our Web site or in our product catalogue that contains typographical errors, inaccuracies, or omissions that may relate to product descriptions, pricing, and availability. XYtronic-USA reserves the right to correct any errors, inaccuracies or omissions and to change or update information at any time without prior notice (including after you have submitted your order). If you have any questions or would like to report an error, please contact us.

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Part #	106U	107ESD	108ESD	206ESD	207	208ESD	210ESD	307(A)	TWZ70	TWZ80	TWZ90	DIA100
Stations												
 168-3C	X	X	X	●	★	X	X	X	X	X	X	X
 169D	X	X	X	X	X	★	X	X	X	X	X	X
 369D	★	X	X	X	X	X	X	X	X	X	X	X
 852D			– see page 18 for Hot-Air Nozzles available for the 852D –									
 LF1000	X	X	X	X	X	X	★	X	X	X	●	X
 LF 1600	X	X	★	X	X	X	X	X	●	X	X	X
 LF 1680	X	X	★	X	X	X	X	X	X	★	X	X
 LF 2000	X	X	X	X	X	X	X	★	X	X	●	X
 LF 8800	X	X	X	X	X	X	X	★	X	X	●	★
Remark	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Tweezers	Tweezers	Tweezers	DeSolder Iron

★ = Standard    ● = Optional    X = Not Available

## LF-1600 Production Grade 70W Lead-Free Soldering Station

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

### 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.
- **Easy Park Iron Holder with Tip Cleaner:** Made of low abrasive brass shavings instead of conventional “wet” sponges to extend tip life and reduce oxidation damage and no water is necessary.
- **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.
- The unit contains:
  1. Soldering Iron
  2. Iron holder with brass tip cleaner.
  3. AC power cord with plug.
  4. 1 yr. warranty excluding consumption items.



### Product Description:

Designed specifically for the demands of Lead Free Soldering, the LF-1600 is fully temperature adjustable, making it the ideal choice for both Lead Free and Standard Soldering Applications.

The LF-1600 is engineered with “on-board micro-processor control”, thus enabling the operator to take advantage of many functions typically found on systems costing much more.

\*LF-1600 Ships with Standard tip 44-510601

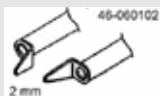
#### SPECIFICATIONS:

Model	LF-1600		TWZ70
Input	110–115Vac 50Hz	220–240Vac 60Hz	Optional
Output	32Vac/70W		
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”x6.2”x5.4” (W x H x D)		
Weight (Unit only)	5.5 lbs		

LF-1600 Standard Tip: Additional tips on pages 19-20



TWZ70 Standard Tip: Additional tips on page 20





## 168-3C Soldering Station

*Electronic Temperature Controlled,  
Desktop Soldering Station*



### SPECIFICATIONS:

Model	168-3C	
Main power	Vac	As requested
Heater Output	Vac	24
Heater Power	Watts 60	
Soldering Iron	207	
Temperature range	150-450°C (300-850°F)	
Standard tip	44-415404	

XY 168-3C Standard Tip: Additional tips on pages 19-20



### Key Features:

- The AUTO-TEMP 168 Soldering Station offers the ultimate in controlled temperature hand soldering.
- The NICHROME heating element is 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. This results in both rapid heat-up and instant heat recovery.
- AUTO-TEMP incorporates electronic circuitry which 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.
- The revolutionary electronic "Zero Voltage" thyristor protects voltage and current sensitive components (CMOS Devices), against transient voltage spikes caused by using mechanical switches.
- Tip temperature is maintained at  $\pm 3^{\circ}\text{C}$  ( $6^{\circ}\text{F}$ ) of its preset temperature. Dynamic response to soldering load variations is insured by the positioning of a unique sensor close to the tip's working surface.
- Heat up time to the appropriate working temperature is attained in about 45 seconds.
- Temperature read-out "Analog Display" in both Fahrenheit and Centigrade, helps technicians accurately control temperature settings.
- The 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.
- A wide selection of long lasting, iron plated tips are available for the iron.
- Developed to meet the present and future needs of the electronic production industry, service technician and the hobbyist.

## 169-D 70Watt Lead Free Hi-Temp Soldering Station

### Key Features:

- The 169D ships with a well balanced and lightweight Soldering Pen, engineered to stay cool and comfortable in the hand to reduce operator fatigue.
- The 169D is ESD Safe to use, offering multi-layers of ESD safety to protect your work.
- Choose from over 30 standard tip geometries. All XYtronic soldering tips are made from oxygen-free copper and coated with the “very best” lead-free plating material to extend the useful life of your tip.
- The 169D is engineered with an external calibration port to simplify the calibration process should it be required.
- Designed with “Spike-Free Circuitry”, the 169D’s “zero voltage switching design” offers protection against damaging current and voltage spikes to keep your work safe from unnecessary damage.
- Built for general purpose and Lead-Free soldering applications, the 169D’s rugged construction is the perfect choice for both production and R&D environments.

*Front line ready to tackle demanding Lead Free soldering.*



### Product Description:

Xytronic's 169D Digital Read-Out Soldering Station is front-line ready to tackle demanding Lead Free Soldering. 70Watts of Ceramic Heating Technology insure fast heat-up and recovery, providing a 3 Deg. C temperature stability rating. Also included is a state of the art Positive Thermal Coefficient (PTC) sensor to maximize your station's thermal performance.

System comes with Lock-Out Temperature control, Burn Resistant Silicone Rubber cable, Stand with Tip Organizer, and Waterless Tip Dressing Feature.

Xytronic's 208ESD Soldering is well balanced, thermally insulated and designed specifically to help reduce operator fatigue. Station is shipped with a Free Tip, Manual, and Warranty Registration Form.

XY 169-D Standard Tip: Additional tips on pages 19-20



### SPECIFICATIONS:

Model	169-D	
Heater Output	V.ac	32
Heater Power	Watts 70	
Soldering Iron	208ESD	
Temperature range	200-450°C / 392-812°F	
Standard tip	44-415404/J	

## LF-369D Mini Type Soldering Station

*Electronic Temperature Controlled,  
Desktop Soldering Station*



### Product Description:

The high power LF-369D electronically temperature controlled soldering station was specially designed and developed to meet the present and future Lead-free soldering needs of the electronic production industry. A temperature regulated soldering iron is essential for making consistent, reliable soldered connections. It provides all the benefits of temperature regulation and connects via a highly flexible burn-resistant cord, and can be easily adjusted in temperature. (150°C - 480°C)

### SPECIFICATIONS:

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

LF-369 D Soldering Tips: Additional tips on pages 19-20



### Key Features:

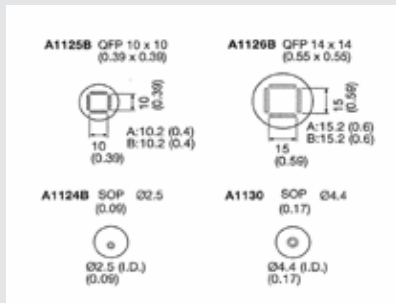
- **Heater/Sensor Failure Detection:**  
If sensor circuit fails, the heater power is shut down.
- **Energy Saver Mode:**  
If the station is left idle for 20 minutes, the energy saver feature will automatically engage, resetting the temperature to 150°C from the previous setting.
- **Temperature "Lock-Out" 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.
- **Easy Park Iron Holder with Tip Cleaner:** Made of low abrasive brass shavings instead of conventional "wet" sponges to extend tip life and reduce oxidation damage and no water is necessary.
- **The highly insulated ceramic heating element** with heating element with heater insulation exceeds 100Mhoms. The specifically designed heater brings the temperature up to approximately 565-650°C (1050-1200°F) at full setting in about one minute. This results in very fast heat-up, instant recovery and superior heat transmission.
- **The ergonomic and slender soldering iron** design with a comfortable rubber grip that prevents operator fatigue. The soldering iron is attached to the base unit using a non-burning silicone rubber cord.
- **The tip is grounded** through the power unit to ensure leakage of less than 0.4 milivolts, and a wide selection of long-lasting, iron clad, nickel/chrome plated and pre-tinned tips are available to meet all your soldering needs.
- **Your LF-369D will ship with a standard tip:** 44-510601, Waterless tip dresser, iron stand, and operating instructions.



## 852D Digital Rework Station

### Key Features:

- Easy View digital LCD temperature read-out.
- 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
- A wide range of focus hoods are available to meet all your flat pack needs.
- The same nozzle can be used for soldering and de-soldering.
- ESD Safe.
- Ships with Four of XYtronic's most popular air-nozzles.
- Handle will mount on either side of unit.
- **BONUS OFFER:** Your 852D will ship with a free set of stainless steel, anti-magnetic rework tweezers, a replacement heating element, IC popper, and 4 (four) complimentary air nozzles (A1124B, A1130B, A1125B, A1126B), included in the price.



*The 852D is the service/repair technician's choice for a mid-range priced tool for the assembly and rework of PCB's.*



### Product Description:

The "High Power Hot Air SMD 852D" is engineered to meet the demanding needs of today's LEAD FREE soldering applications. The 852D is the service/repair technician's choice for a mid-range priced tool for the assembly and rework of PCB's. The 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	852D
Power Supply	100-120VAC or 220-240VAC
Pump	Diaphragm
Air Flow Capacity	40L / Minute (Max.) air flow
Heating Element	Nichrome-550W
Hot Air Temperature	100°C-480°C / 212°F-896°F
Dimension	87(W)*135(H)*245(D) mm

## LF-1000 Soldering Station

*High wattage ESD Safe Lead Free Soldering Station*



### Product Description:

The LF-1000 incorporates electronic circuitry which enables the user to alter tip temperature from 200 to 450 °C (392-842 °F) without changing tips or heating elements. Also, with the simple flip of a switch on the front panel, the temperature readout is changed from Celsius to Fahrenheit easily. The temperature is maintained within  $\pm 3^{\circ}\text{C}$  ( $\pm 6^{\circ}\text{F}$ ) of its operating temperature by a thermocouple sensor placed in the heating element, allowing the tip to rest against the sensor.

### SPECIFICATIONS:

#### Model LF 1000

Main power	Vac	As requested	Tweezers (optional)
Heater output	Vac	32	TWZ 100
Heater power	Watts	100	100W (2x50w)
Soldering Iron	210ESD		
Temperature range	200–450°C (392–842°F)		150–430°C 300–800°F
Standard tip	44-415404		46-060102

### Key Features:

- Specifically designed for LEAD FREE soldering.
- Superior temperature stability  $\pm 3^{\circ}\text{C}$  for high reliability soldering.
- Temperature Adjustable 0-450 °C ( 0-850 °F)
- 24Vac Hi-Recovery Nichrome Heating
- Auto Power Down Idle Circuitry 15 Minute Non-Operation preserves tip life and reduces power consumption.
- 45 second Ramp Time to Max Temp setting
- Full Digital LCD read-out in both C or F
- Easy External Calibration Port
- Slim Line Ergonomic Pencil Design for max dexterity and comfort
- Meets or Exceeds MILSTD for CMOS Device Protection
- Full ESD Safe design-Grounded
- For Mid to Hi-Rel Soldering Applications
- The revolutionary “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.

\*\*\*Pb (lead Free) soldering application qualified

LF-1000 Standard Tip: Additional tips on pages 19-20



## 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.
- Easy Park Iron Holder with Tip Cleaner: Made of low abrasive brass shavings instead of conventional “wet” sponges to extend tip life and reduce oxidation damage and no water is necessary.
- 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.
- The unit contains:
  1. Soldering Iron
  2. Tweezers SMT
  3. Iron holder with brass tip cleaner.
  4. Tweezers holder with brass tip cleaner
  5. AC power cord with plug.
  6. 1 yr. warranty excluding consumption items.



### Product Description:

Designed for both lead free soldering and SMD chips, SOT, Flat pack ICs' etc. reworking without alternating the wands. The LF-1680 electronically temperature controlled rework station with intelligent chip was developed to meet the present and future Lead-free soldering needs of the electronic production industry and suitable for work on professional SMD electronics.

### 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	

LF-1680 Standard Tip: Additional tips on pages19-20



TWZ80 Standard Tip: Additional tips on page 20



## LF-2000 Soldering Station

*... combines both Intelligence and Power to tackle the really tough soldering jobs.*



### Product Description:

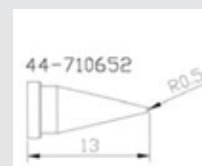
With an "On Board" Micro-Processor control, the LF2000 has been provided with intelligent functions. Digital display and key operation is clear and visual. The soldering temperature is locked by password a convenience for production management. Easily revise temperature by pressing a key. When the LF2000 is idle for 20min, the system will enter into the suspend state and temperature goes down to 200°C. After 40min of sitting idle without wake-up, the heater will be powered off so as to save energy, protect soldering tip and guarantee the safety of the operation

### Key Features:

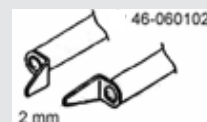
- The LF-2000 ships with a well balanced and lightweight Soldering Pen, engineered to stay cool and comfortable in the hand to reduce operator fatigue.
- The LF-2000 offers both ESD and EMI protection to protect your work.
- The LF-2000's Intelligent Control Circuitry offers production supervisors an "Energy Saver Mode" to help save power consumption and extend tip life.
- The LF 2000's Temperature Display setting is switchable to either Centigrade or Fahrenheit temperature readings. Designed with "Spike-Free Circuitry", the LF-2000's zero voltage switching design offers protection against damaging current and voltage spikes to keep your work safe from unnecessary damage.
- The LF-2000 incorporates a unique Grounding Jack designed for additional operator ESD protection. Simply plug your ESD wristband into the LF-2000's grounding port for additional ESD protection.

SPECIFICATIONS		
Model	LF-2000	TWZ90
Input power VAC	110-115 Vac / 220-240 Vac. 50/60Hz	
Wattage	90W	90W
Temperature range	200-480°C	150-430°C
	302-842°F	300-800°F
Soldering Iron	307A	
Standard Tip	44-710652	46-060102
Dimensions (W x L x H)	4.3"x6.2"x5.4"	

LF-2000 Soldering Tip: Additional tips on page 20



TWZ90 Standard Tip: Additional tips on page 20





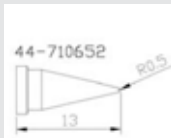
## LF-8800 Soldering and Desoldering Station

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

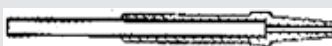
### Key Features:

- **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.

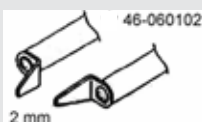
LF-8800 Soldering Tip: Additional tips on page 20



LF-8800 Standard Desoldering Tip: Add'l tips on page 20



TWZ90 Standard Tip: Additional tips on page 20



### Product Description:

The XYtronic LF-8800 Solder and Desoldering Station, with an internal vacuum pump is XYtronic-USA's best solution for all your soldering/desoldering equipment needs, especially for lead free applications! We believe you will be more than satisfied with the many features and the versatility of your new soldering/desoldering station. Comes with cleaning kit and additional tweezers.

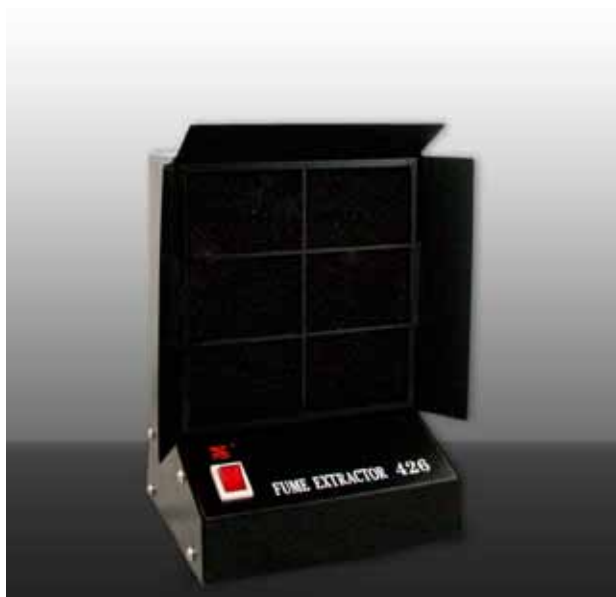
### SPECIFICATIONS:

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 302-896°F	300-450°C 572-842°F	150-430°C 300-800°F	200-450°C 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)			



## 426DLX Fume Extractor

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



### 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 x 120 mm (6.38 x 7.78 x 4.72 in)
Weight (Including AC cord)	1600 grams (3.5 lbs.)
Filter size	130 m <sup>2</sup>
Filter weight	12 grams

### Key Features:

**The Fume Extractor 426** offers a convenient and space saving method of removing noxious fumes from the work environment. Designed for use on the factory floor, in R&D or by the hobbyist, this product provides an economical and efficient method to improve the work place by reducing the possibility of headaches, nausea and eye irritations often associated with exposure to solder fumes.

- High content ratios of resin generate phenol (C<sub>6</sub>H<sub>5</sub>OH) and the activators can emit hydrogen chloride (HCL) or other compounds. The US Government has occupational hazard standards controlling the permissible amounts of such compounds in the work area and the 426DLX when used properly, help meet those standards.
- Flux is an integral part of the soldering process to prepare the work surface. Composed of rosin-resin and mixed with an activator (halogen organic agent) that, as the temperature increases, generate noxious components such as salicylic acid and pinene commonly seen as smoke rising from the work area.

The 426 is developed with a high performance fan and an easy to replace activated carbon filter. 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.

**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.)

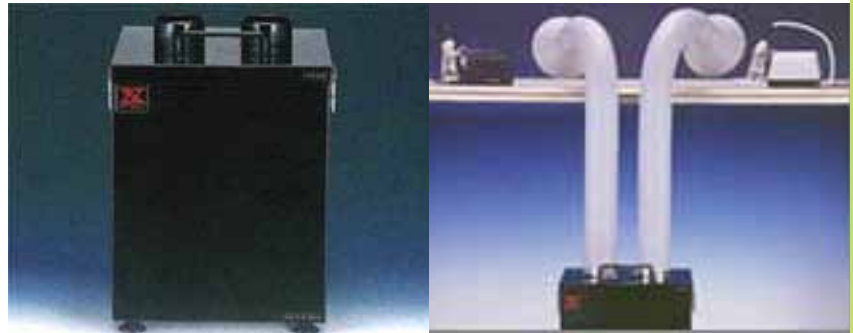


## HV-2E Duo Vac Fume Extractor

*For a clean-safe work area.*

### Key Features:

- **INTERNAL PUMP:**  
Incorporates a brushless, maintenance free centrifugal fan motor.
- **AIR FLOW:** 175m<sup>3</sup>/hr. per 75mm arm.
- **COMPACT DESIGN:**  
Easily fits under the workbench or in the service/repair center. Weighs 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. - no need for added on silencers.
- **FILTER AVAILABILITY:**  
Standard Filter:  
Soldering Operations  
P/N XY-76-A330001
- **Clean Room Filter:**  
Combo HEPA & Bonded Media  
P/N HV2E-CRF
- **Noxious Fume:**  
For Adhesives, etc.  
4 lb. of gas media  
P/N HV2E-GF



### ACCESSORIES

75mm Stay Put Arms	(SPA-75HV2E)
75mm Stay Put Arms ESD Safe	(SPA-75ESD)
Table Mounting Kit	(HV2E-MKIT)
Table Top Cowl - Clear	(Condor)
Table Top Cowl - ESD Safe	(Condor-ESD)
2.5" Econo-Acrylic Funnel with mounting bracket	(H-HR2-1/2)

**XYtronic-USA** offers a full range of volume (1arm~30arms) and tip (1tip~100tips) fume extraction units. Please contact your nearest XYtronic-USA Representative for a catalog of the complete line of XY Plus fume extraction equipment or visit our homepage at [www.xytronic-usa.com](http://www.xytronic-usa.com).

### 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.

## 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 / 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 / 16 oz / & 1 Gallon sizes available



### Handy Flux Pen Applicator - Refillable

Measuring just 4.875" inches, the Handy Fluxer 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 tool's soft nylon brush tip. The Handy Fluxer keeps flux volume under control and saves money. Refillable design. Order multiple Handy Fluxers if using different types of flux to keep your flux chemistry contaminate free.



### XY-460 – Tip Cleaner stand w/ element

The 460 cleaner stand will be an asset to the working environment. The cleaner your tip the better your heat transfer to your soldering application. This stand will increase tip life, and productivity. The pad will not rust and you will not have to deal with messy sponges. The stand has extra weight added to it to make sure it stays put on your workbench.



### XY-459 – Tip Cleaner

Replacement cleaner element for the 460 cleaner stand. This pad will not damage your soldering tip. No more messy sponges to deal with. The cleaner your tip the better your heat transfer. This will help increase productivity.

## Optional Accessories

### 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 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).



### XYtronic HAP-80 Hot Air Pencil

32V 80W Lead Free Replacement Desoldering Pencil For the LF Series Stations.



### Xytronic 450 ESD Safe Fluid Bottle

XYtronic's ESD Safe 450 fluid pump bottle has a distinctive stainless steel pumping mechanism combined with HDPE (high density polyethylene bottle) to provide exacting amounts of fluid with a simple one-handed operation. The hinged lid provides protection against dust and other impurities when the unit is not in use. Ideal for both the laboratory and the workbench, the 450 Fluid Pump Bottle can be used with a variety of solvents and cleaners. 6 ounce ESD safe model #450.



### Xytronic 455, Fluid Pump Bottle

XYtronic's fluid pump bottle has a distinctive stainless steel pumping mechanism combined with HDPE (high density polyethylene bottle) to provide exacting amounts of fluid with a simple one-handed operation. The hinged lid provides protection against dust and other impurities when the unit is not in use. Ideal for both the laboratory and the workbench, the 455 Fluid Pump Bottle can be used with a variety of solvents and cleaners. 6 ounce ESD safe model #455



## Soldering Irons: Plug & Play



### XYtronic 200GX20, 200GX25, 200GX30 Soldering Irons

Thermally balanced 20, 25, or 30 watt nichrome heating element. High-Efficiency heater reduces power consumption to half that of competitor's irons. Silicone rubber finger grip ensures cool comfort even under the most tedious production conditions. Fast heat up and recovery time will assist in the project completion time. UL and cUL listed. Ships with standard tip #44-415404



### XYtronic 200PHG40, 200PHG60 Soldering Irons

Xytronic 200PHG 40 or 60 watt soldering irons. The 200PHG40 and 200PHG60 series comes standard with a 3 wire grounded cord. Shipped complete with a power cord flex guard and burn resistant silicon cable. High performance double-wound nichrome heating element. Pre-loaded conical tip and iron stand included. UL and CUL listed. 40 W ships with standard tip #44-240517 / 60W ships with standard tip #44-240617



### XYtronic 258 Soldering Iron

Totally self contained control circuit. The lightweight, compact and portable construction will work well with all soldering applications. This unit has a temperature control on the handle as well as an LED to indicate temperature HI-Lo. UL listed. Ships with Cord Strain Relief and 3 Wire Burn Resistant Grounded Cord. Ships with standard tip #44-415404

## 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 adjusting 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 adjusting 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.



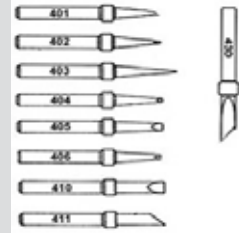
## Tip Kits

*Distributor variety packs for customer samples.*

### XYtronic 415Tipkit

XYtronic's nichrome tip kit. 9pc soldering tip kit for the 200GX series, 960A, 960D, 168-3C, 207, 207ESD and 258 XYtronic soldering irons. Tips included: 44-415401/XY401, 44-415402/XY402, 44-415403/XY403, 44-415404/XY404, 44-415405/XY405, 44-415406/XY406, 44-415410/XY410, 44-41541/XY411, 44-415430/XY430

J Lead Free Series Available



### XYtronic 510TipKit

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



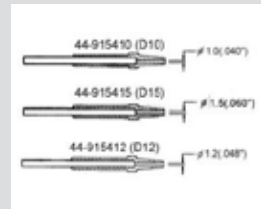
### XYtronic 915Tipkit, Desoldering Tip Kit

XYtronic desoldering tip kit. This kit contains a 3 piece set of our 1mm, 1.2mm, and 1.5mm de-soldering tips.

Tips included: 44-915410, 44-915413, 44-915415

### XYtronic 915-2075Tipkit, Desoldering Tip Kit

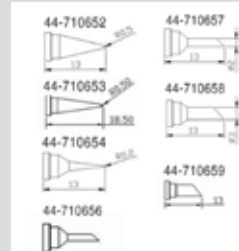
Use with DIA80 Desolder Tools. Tips included: 44-915410-2075, 44-915413-2075, 44-915415-2075



### XYtronic 710 Soldering Tip Kit

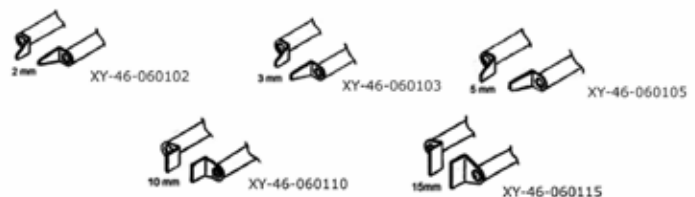
XYtronic 710 Series Tip Kit. Includes 7 popular tips for High-Temp Soldering Applications. Use with 307 and 307A soldering irons.

Tips included: 44-710652, 44-710653, 44-710654, 44-710656, 44-710657, 44-710658, 44-710659




### 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

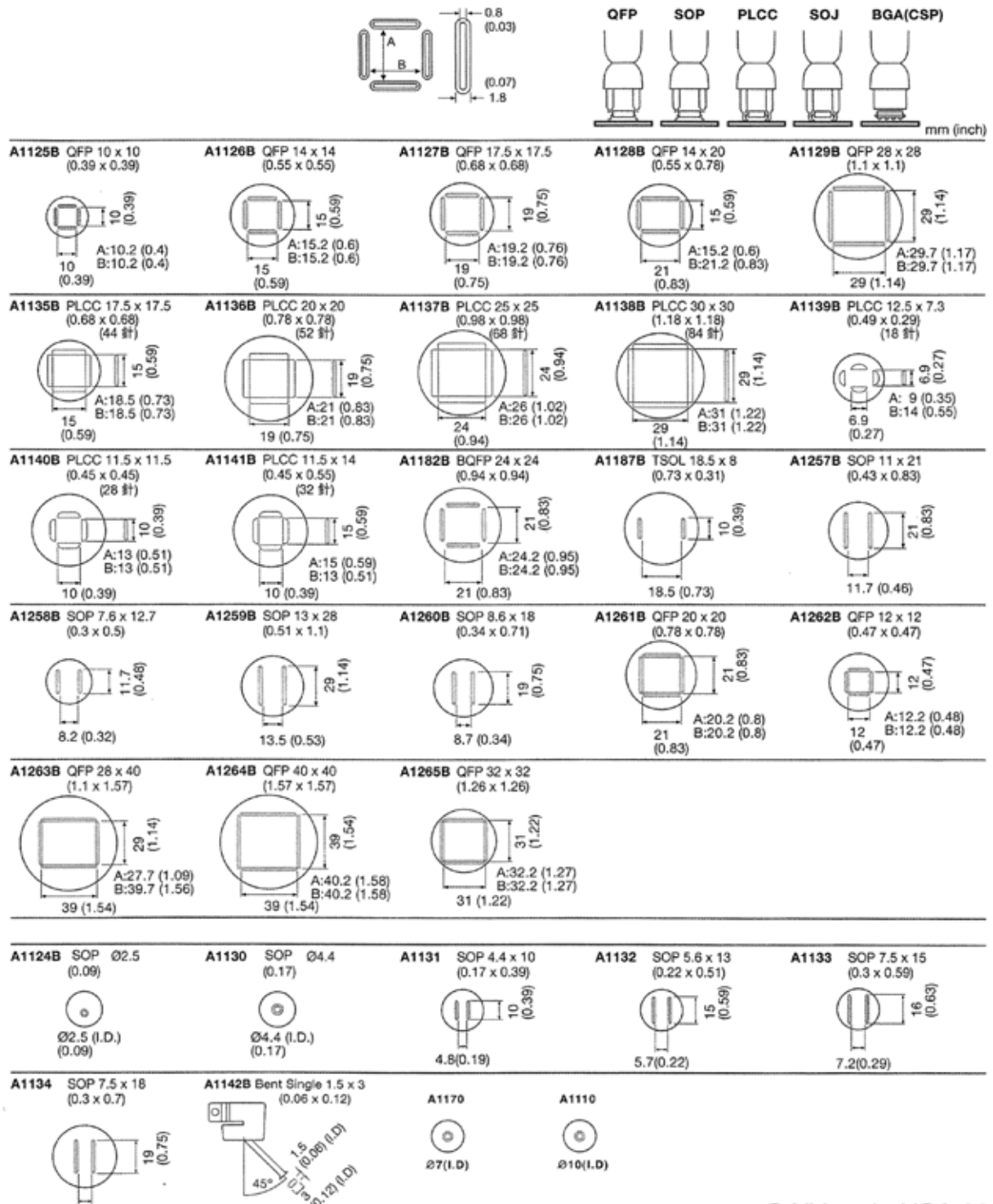


**Discontinued Stations - Spares Still Available**

Part #	107	107ESD	206ESD	207	207ESD	210ESD	DIA60	DIA80	TWZ50	TWZ60	TWZ100	HAP80
Stations												
 9-60A	X	X	●	★	●	X	X	X	●	X	X	X
 9-60D	X	X	●	★	●	X	●	X	●	X	X	X
 137ESD	X	★	X	X	X	X	X	X	X	★	X	X
 379	X	★	X	X	X	X	X	X	X	X	X	X
 968	X	X	X	X	X	X	★	X	X	X	X	X
 LF6000	X	X	X	X	X	X	X	★	X	X	X	●
 LF7000	X	X	X	X	X	★	X	★	X	X	●	●
 LF8000	X	X	X	X	X	★	X	★	X	X	●	●
 LF9881D	●	★	X	X	X	X	★	X	●	X	X	X
Remark	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	Solder Iron	DeSolder Iron	DeSolder Iron	Tweezers	Tweezers	Tweezers	Hot Air Pencil

★ = Standard    ● = Optional    X = Not Available

## Nozzles for 626, 850D, 852D



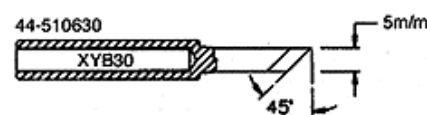
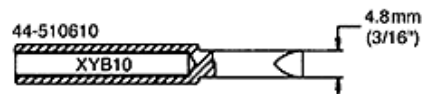
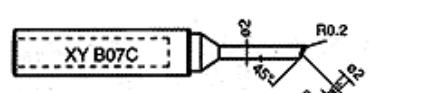
© XYtronic-USA 2010

## Standard Replacement Tips

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



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



### For 200PHG

For (25W, 40W)

Conical type 5ø 44-240503 (503)

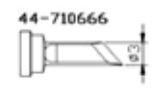
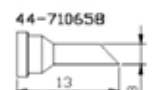
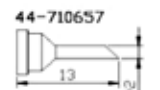
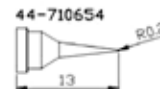
Chisel type 5ø 44-240517 (517)

For (60W)

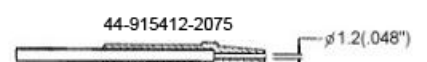
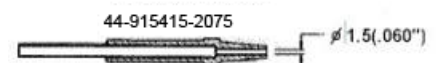
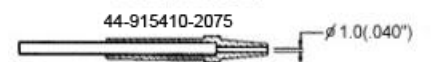
Conical type 6ø 44-240603 (603)

Chisel type 6ø 44-240617 (617)

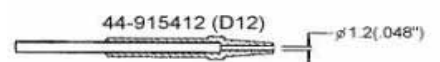
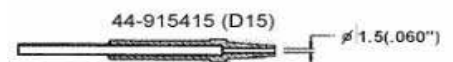
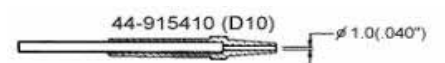
44-710000 series for 100, 307A,  
LF8800 LF2000



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



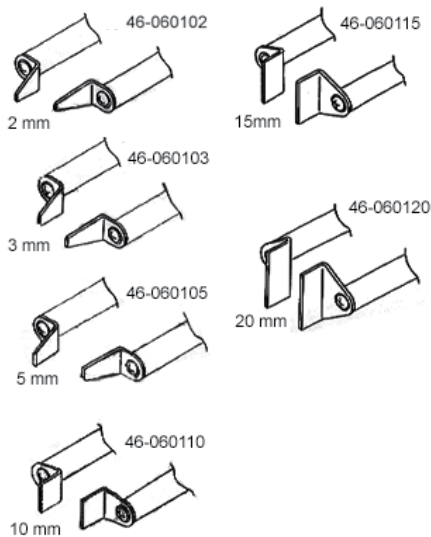
44-915400 series for 968, 988,  
999SD-A, DIA60A, DIA100 LF-8800



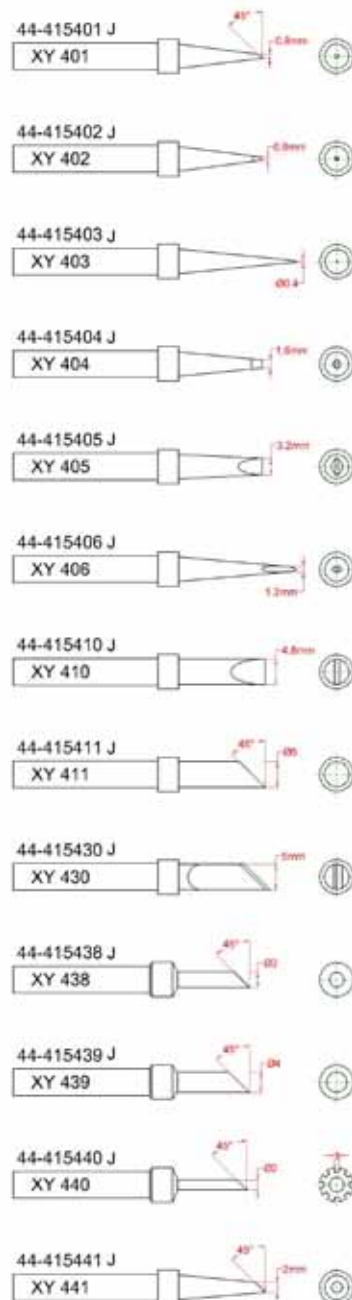
*The J Series tips are the choice when a longer life tip is needed in both Lead Free and high-temperature soldering applications.*

## Premium J Series Replacement Tips

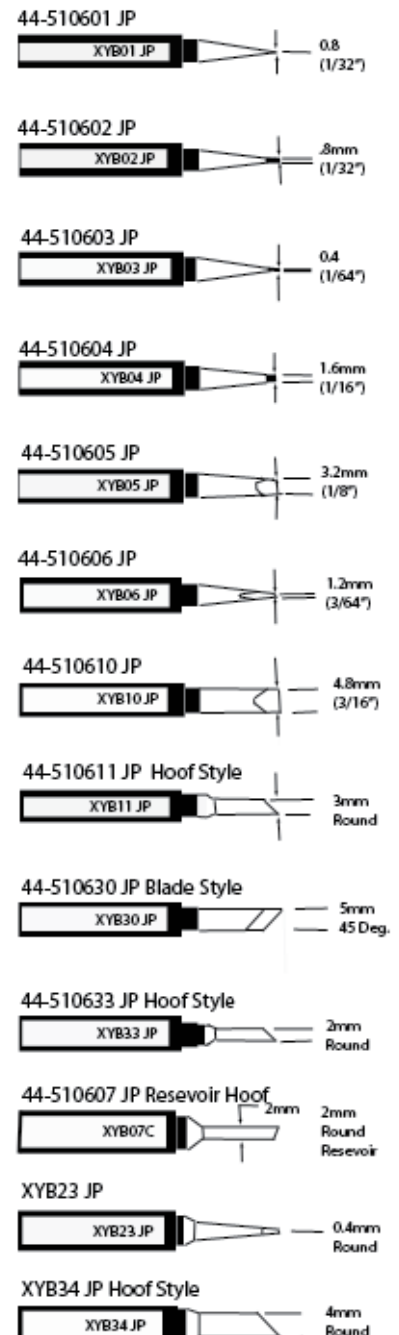
**Tweezer Tips** (can be ordered as a kit)  
for TWZ60, TWZ50, TWZ80, TWZ90,  
TWZ100, 236, 988, XY9-60A, XY9-60D, 136,  
136ESD, 137ESD, LF1000, LF2000, LF8800



44-415400 (44-16800) J Series for  
LF-1000, LF7000, LF8000, also fits  
XY9-60D, XY9-60A, 168-3C, 169D, 999SD-  
A, SIA60, 258, 200GX, 207, 207ESD,  
210ESD,



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





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SPRING / SUMMER 2010



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