



# LF-853D Multi-Function SMD Rework Station

## Specifications:

**Input Power:**  
100-120Vac 60Hz  
220-240Vac 50Hz  
(replacement iron 210 ESD)

**Wattage:**  
Soldering - 100W  
Desoldering - 170W  
Hot Air - 600W

**Temperature Range:**  
SIA: 150-480°C/302-896°F  
DIA: 300-450°C/572-842°F  
Hot Air: 100-480°C/212-896°F

**Heating Element:**  
Premium Grade Ceramic

**Heat-Up Time:**  
0-300°C ≤ 30 seconds.

**ESD Safe:**  
Zero Voltage Circuitry,  
Isolated 32V  
Transformer, 3 Wire Power  
Ground.

**Housing:**  
Aluminum Alloy  
EMI protection

**Temperature Adjust Lock-  
Out:** Yes - by Password code

**Temperature Calibration  
Port:** Yes – External

**Burn Resistant Cables:** Yes  
– Power Cord and Solder Iron

**Warranty:**  
12 Months (excludes  
consumption items)

For additional information or  
ordering assistance please  
call toll free 877-700-6085 to  
speak with a XYtronic  
Soldering Specialist today!



## The XYtronic LF-853D Multi-function SMD Rework Station

### XYtronic Soldering Systems...

*Serving the electronics industry since 1984*

.....Shingle Springs, CA. XYtronic-USA is pleased to announce the arrival of the all new LF853D. This Multi-Function SMD Rework System is designed to 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.

#### Ships with:

- DIA100: Desoldering iron assembly with tip
- 210ESD: Soldering iron assembly with tip
- AC power cord with plug
- Hot air gun

#### • Accessories Included

1. 2 cleaning Brushes
2. 1 cooling strip
3. 1 probe
4. 4 nozzles
5. 2 iron holders
6. Hot air gun holder

## Key Features:

**Heater/Sensor Failed 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.

## 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.

## Light Weight Soldering Iron:

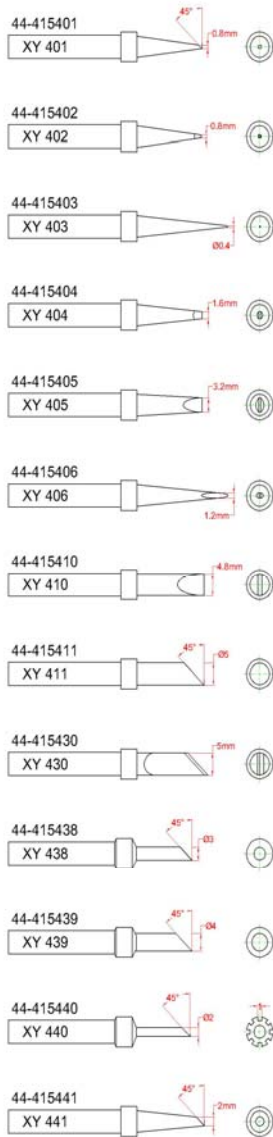
Ergonomic mini-handle that stays cool and prevents operator fatigue.

## Hot Air Function:

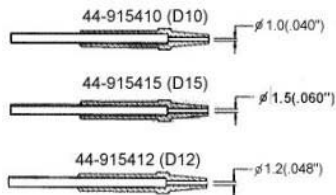
600W High power heating element. Temperature adjustable, for removing QFP, SOP, PLCC or SOJ chips, etc. Static Free circuit design - safe for working with CMOs and ICs. Sensor/Pump Failed Detection, Auto-Cooling design. Heating element with Auto-Protection Function.

# XY-LF-853D SPECIFICATIONS CHART

Interchangeable Tips for  
SIA 210ESD:



Desoldering Tips for DIA 100



MODEL		LF-853D Multi-Function SMD Rework System	
Power Voltage		220-240Vac 50Hz/	100-120Vac 60Hz
Fuse (Fast type)		10A (Fast type)	15A (Fast type)
Power Consumption (Max)		900W	
Weight		12kg	
Soldering	Power Consumption	100W	
	Temperature range	SIA : 150°C-480°C ( 302°F-896°F )	
	Sleep Temperature	150°C ( 302°F )	
	Temperature correction range	+99°C~-99°C/+178°F~-178°F	
	Default setting	150°C(302°F)	
		F-1: "000"	
		F-2 : "00"	
		F-3:"000"	
F-4 : "°C"			
De-Soldering	Power Consumption	170W	
	Temperature range	DIA: 300°C-450°C ( 572°F-842°F )	
	Sleep Temperature	200°C ( 392°F )	
	Temperature correction range	+99°C~-99°C/+178°F~-178°F	
	Default Setting	300°C (572°F)	
		F-1: "000"	
		F-2 : "00"	
		F-3:"000"	
F-4 : "°C"			
Hot Air	Power Consumption	600W	
	Air Flow	1.5 L / Min -40L / Min	
	Temperature range	100°C-480°C / 212°F-896°F	
	Air range	10-99	
	Default Setting	F-1 : "000"	
		F-2:"°C"	
		Temperature100 Air 10	

Optional SMD Tweezer TWZ100

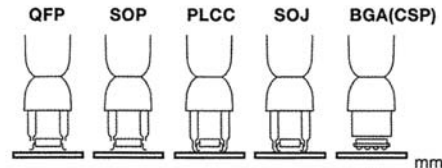
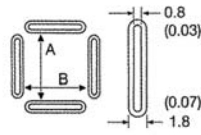


Optional Hot Air Pencil: HAP 80



# Interchangeable Hot Air Nozzle Options

★ = included with purchase



mm (inch)

<p><b>A1125B</b> QFP 10 x 10 (0.39 x 0.39)</p> <p>★</p> <p>A:10.2 (0.4) B:10.2 (0.4)</p>	<p><b>A1126B</b> QFP 14 x 14 (0.55 x 0.55)</p> <p>★</p> <p>A:15.2 (0.6) B:15.2 (0.6)</p>	<p><b>A1127B</b> QFP 17.5 x 17.5 (0.68 x 0.68)</p> <p>A:19.2 (0.76) B:19.2 (0.76)</p>	<p><b>A1128B</b> QFP 14 x 20 (0.55 x 0.78)</p> <p>A:15.2 (0.6) B:21.2 (0.83)</p>	<p><b>A1129B</b> QFP 28 x 28 (1.1 x 1.1)</p> <p>A:29.7 (1.17) B:29.7 (1.17)</p>
<p><b>A1135B</b> PLCC 17.5 x 17.5 (0.68 x 0.68) (44 針)</p> <p>A:18.5 (0.73) B:18.5 (0.73)</p>	<p><b>A1136B</b> PLCC 20 x 20 (0.78 x 0.78) (52 針)</p> <p>A:21 (0.83) B:21 (0.83)</p>	<p><b>A1137B</b> PLCC 25 x 25 (0.98 x 0.98) (68 針)</p> <p>A:26 (1.02) B:26 (1.02)</p>	<p><b>A1138B</b> PLCC 30 x 30 (1.18 x 1.18) (84 針)</p> <p>A:31 (1.22) B:31 (1.22)</p>	<p><b>A1139B</b> PLCC 12.5 x 7.3 (0.49 x 0.29) (18 針)</p> <p>A:9 (0.35) B:14 (0.55)</p>
<p><b>A1140B</b> PLCC 11.5 x 11.5 (0.45 x 0.45) (28 針)</p> <p>A:13 (0.51) B:13 (0.51)</p>	<p><b>A1141B</b> PLCC 11.5 x 14 (0.45 x 0.55) (32 針)</p> <p>A:15 (0.59) B:13 (0.51)</p>	<p><b>A1182B</b> BQFP 24 x 24 (0.94 x 0.94)</p> <p>A:24.2 (0.95) B:24.2 (0.95)</p>	<p><b>A1187B</b> TSOL 18.5 x 8 (0.73 x 0.31)</p>	<p><b>A1257B</b> SOP 11 x 21 (0.43 x 0.83)</p>
<p><b>A1258B</b> SOP 7.6 x 12.7 (0.3 x 0.5)</p>	<p><b>A1259B</b> SOP 13 x 28 (0.51 x 1.1)</p>	<p><b>A1260B</b> SOP 8.6 x 18 (0.34 x 0.71)</p>	<p><b>A1261B</b> QFP 20 x 20 (0.78 x 0.78)</p> <p>A:20.2 (0.8) B:20.2 (0.8)</p>	<p><b>A1262B</b> QFP 12 x 12 (0.47 x 0.47)</p> <p>A:12.2 (0.48) B:12.2 (0.48)</p>
<p><b>A1263B</b> QFP 28 x 40 (1.1 x 1.57)</p> <p>A:27.7 (1.09) B:39.7 (1.56)</p>	<p><b>A1264B</b> QFP 40 x 40 (1.57 x 1.57)</p> <p>A:40.2 (1.58) B:40.2 (1.58)</p>	<p><b>A1265B</b> QFP 32 x 32 (1.26 x 1.26)</p> <p>A:32.2 (1.27) B:32.2 (1.27)</p>		
<p><b>A1124B</b> SOP Ø2.5 (0.09)</p> <p>★</p> <p>Ø2.5 (I.D.) (0.09)</p>	<p><b>A1130</b> SOP Ø4.4 (0.17)</p> <p>Ø4.4 (I.D.) (0.17)</p>	<p><b>A1131</b> SOP 4.4 x 10 (0.17 x 0.39)</p> <p>4.8(0.19)</p>	<p><b>A1132</b> SOP 5.6 x 13 (0.22 x 0.51)</p> <p>5.7(0.22)</p>	<p><b>A1133</b> SOP 7.5 x 15 (0.3 x 0.59)</p> <p>7.2(0.29)</p>
<p><b>A1134</b> SOP 7.5 x 18 (0.3 x 0.7)</p> <p>19 (0.75)</p>	<p><b>A1142B</b> Bent Single 1.5 x 3 (0.06 x 0.12)</p> <p>1.5 (0.06) (I.D.) 1.9 (0.12) (I.D.) 45°</p>	<p><b>A1170</b></p> <p>★</p> <p>Ø7 (I.D.)</p>	<p><b>A1110</b></p> <p>Ø10 (I.D.)</p>	

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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-USA's sales and are a key piece of equipment for the electronics industry.





**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

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