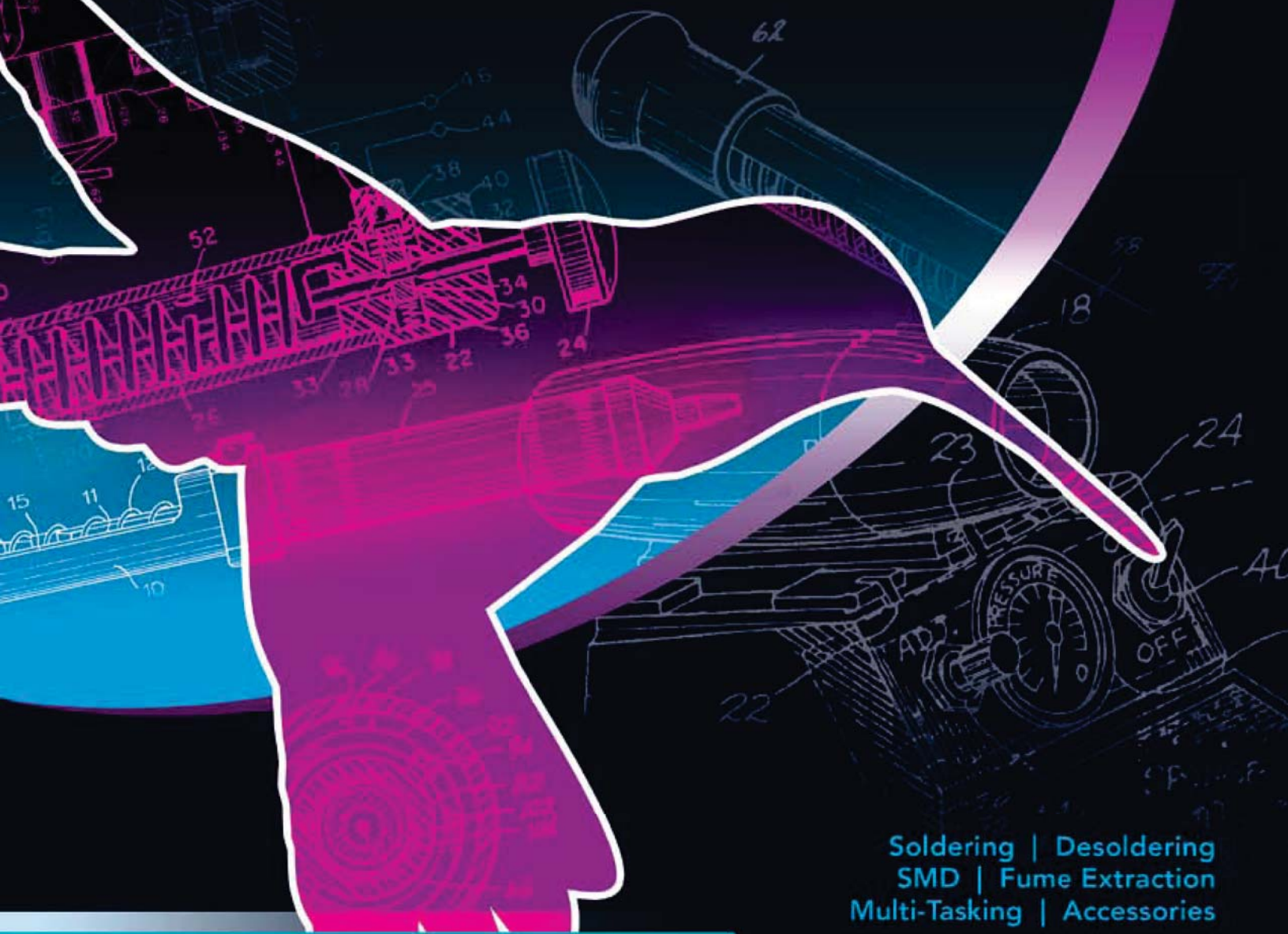
2010

General Line Catalog

EDSYN

...bringing innovative ideas to life



Soldering | Desoldering
SMD | Fume Extraction
Multi-Tasking | Accessories

www.edsyn.com

EDSYN SIGNIFICANT EVENTS

Soldapullt® is invented — 1961

Edsyn is incorporated — 1964

Loner® soldering instrument invented — 1971

Edsyn GmbH Europa opens in Germany — 1981

EDSYN INC

...bringing innovative ideas to life

PAST, PRESENT & FUTURE

Some say you make a living by what you receive, but here at Edsyn we believe you only make a good living by what you give. It's not a common philosophy in today's world, yet we feel it is intrinsic to Edsyn's success over the past 49 years and is the key to our continuing success for the future. The meaning of Edsyn – ***Engineering Dedicated to Suit Your Needs*** - reflects a unique philosophy and was originally created by Edsyn's founders, Bill and Shirley Fortune.

Bill and Shirley have always cared about people. When Bill started out as a technician in a Los Angeles-based company in the early 1960s, his job involved removing solder in various applications. Unfortunately, he found the techniques of the time outdated, difficult, and time-consuming, so he decided to work nights in his garage to make the job easier for himself and for his fellow technicians. Bill soon developed the perfect solution to his dilemma. His wife, Shirley, quickly named this little invention the ***Soldapullt®*** and the rest, as they say, is "history." This ground-breaking technology launched an industry revolution and the birth of Edsyn. Over the next four decades Bill continued creating his inventions, which Shirley always named and marketed under the Edsyn brand. Their four daughters – Lori, Jeani, Sheri, and Juli – also shared in producing hundreds of Bill's inventions for a variety of industries worldwide.

Bringing innovative ideas to life - it's a long-standing tradition at Edsyn and one of the reasons we have such a long and rich history.

NASA PAYLOAD

Bill has always felt a keen interest in, and admiration for, German engineering and wished to introduce his brand of engineering to Europe. In the 1980s he expanded the Edsyn family to include a German office, Edsyn GmbH Europa. Successfully managed for nearly 30 years by Mr. Franz Furtner, Edsyn GmbH Europa has earned a distinguished place in the European market. Now headed by Mr. Furtner's daughter, Christiane Furtner, Edsyn GmbH Europa continues to spearhead Edsyn's engineering efforts in Germany.

Because of the success of the German office, Bill and Shirley took an interest in the British market. In 1995, the Fortunes opened up an office in England headed by their daughter, Juli, and Ms. Angela Greenidge.

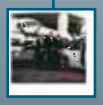
Edsyn goes in space with NASA

1983

Edsyn UK Ltd. opens in England

1995

Edsyn customer service takes flight



1997

Edsyn factory store opens

2009

Edsyn UK Ltd. is now recognized in England, Ireland, Scotland, and Wales as a company that offers the finest quality products and services for the electronics industry.

Currently, we are still busy manufacturing Edsyn products in our California-based factory. Bill now works with a team of engineers in Edsyn's Research & Development Lab also located there. It makes us all proud that Edsyn is still producing in California and providing jobs to our family of employees. In fact, we are one the last remaining manufacturers of soldering and desoldering equipment in the United States. We operate out of two factory buildings employing approximately 25 workers along with two subsidiaries located in England and Germany. Each tool is carefully and meticulously handcrafted at our factory and we feel it's a privilege to take care of and respond to our customer's needs in every way possible. Some of our key innovations include not just a few industry firsts as you can see listed below.

We celebrate the fact that Edsyn has been in operation for almost 50 years and remains a family-owned and managed business. Edsyn's quest for well-engineered and innovative products continues, and although Bill is now entering his 80s, he is still passionate about inventing and expanding our family of products worldwide. When asked what he likes most about Edsyn, a warm, proud smile spread across Bill's face: "it's always nice to hear from a customer who has had your product for over 40 years."

Edsyn's key innovations and highlights over the past 49 years:

1. First patented hand held desoldering pump. Trademark name: **Soldapullt®**
2. First patented temperature controlled soldering instrument. Trademark name: **Loner®**
3. First patented hot air SMT rework station. Trademark name **Atmoscope®**
4. First patented rotating bench top fume extractor. Trademark name: **Fuminator®**
5. First patented air and vacuum lifting tool that uses air pressure to lift components without direct contact. Trademark name: **Soldavac®**
6. First in Space. In the 1980's Edsyn flew on two NASA Getaway Special programs and successfully conducted experiments involving new soldering systems and techniques especially designed for space.
7. First patented portable and cordless soldering station with a lead acid battery that is ideally suited for production environments with energy saving needs. Model no.: PSS2000
8. First totally lead free micro-processor controlled system designed to handle current and future needs of the expanding global environment. Model no.: 2020

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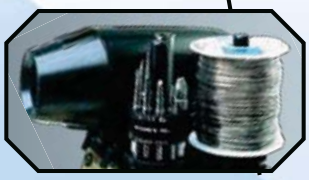
74-81 

SOLDERING

Edsyn has created a complete line of ***Loner®*** soldering instruments, stations and tips to suit your needs. In this section you will be introduced to the tried and true and the bold and new.

DESOLDERING

In 1961 Edsyn invented the industry's first patented desoldering hand tool known as the ***Soldapullt®*** and launched an industry revolution that continues to this day. In this section, you will discover a variety of desoldering solutions from the simple to the complex.

SMT

Edsyn's SMT solutions are perfect for micro rework applications and work with pinpoint accuracy and temperature control. Each station is designed for high performance in a small footprint and offers unique versatility and outstanding performance.

MULTI-TASKING

See how Edsyn integrates a combination of Edsyn products for unique site preparation problems. All solutions provide multi-tasking capabilities for limited bench spaces. Now technicians with even novice skills can consistenly deliver superior professional results.

FUME EXTRACTION

Edsyn values a safe working environment and has provided a full range of fume extraction solutions called the ***Fuminator®*** line. From smaller bench top units to heavy duty volume fume extraction systems, all of our solutions are manufactured to strict quality standards and are virtually maintenance free.

ACCESSORIES

Edsyn's new line of accessories and production aids are specifically designed to complement our current line of soldering, desoldering and SMT stations. In this section you will find a wide variety of hand tools and production aids that fit most any assembly and rework requirement. You will be sure to find the perfect tool for a perfect job at any budget.

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• Mission Statement

Edsyn's mission is to bring innovative ideas to life through quality engineering and commitment to high performance designs dedicated to suit the needs of our customers.

• Vision Statement

The Vision of Edsyn is one based on its desire to continue to grow and develop as a manufacturer and produce a working environment and company that its employees are proud to be a part of.

Our vision therefore is to:

- Build a reputation as an organization that responds to the rapidly changing needs of our customers
- Continue to provide outstanding quality customer service
- Proactively seek new initiatives for the overall benefit of our stakeholders

• Values Statement

The corporate values that shape the character and development of Edsyn include our ability to be honest, trustworthy and fair in our relationships with customers, suppliers and employees. Edsyn listens and responds to the needs of its stakeholders and takes its role in concern for the environment seriously.

We encourage creative thinking and innovation amongst our employees and put quality at the center of our management and manufacturing processes.

Edsyn - Engineering Dedicated to Suit Your Needs

We believe your success is our success and we are equally committed to both. To us customer service means a helpful and friendly attitude along with personalized attention. We will never take your business for granted and will demonstrate this by providing the following outstanding customer service policy. After all, it's what Edsyn's name stands for:

Engineering

Edsyn promises innovative ideas from the inventors who engineer and manufacture the latest in cutting-edge technology. The professionals at our Van Nuys, California factory have unsurpassed experience in the development, production and service of the products in this catalog and the unique needs of the electronics industry.

Dedicated

Edsyn promises dedicated factory service and support to our loyal family of customers. We provide no-hassle customer service even "after the sale" by an experienced network of sales representatives, worldwide distributors and subsidiaries, top customer service personnel, engineers, and leading technicians.

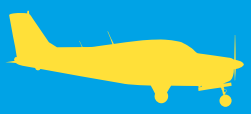
to Suit Your Needs

At Edsyn taking care of business is like taking care of family. Our philosophy and customer approach is designed to suit the customer's needs first because our customers are the reason why we are in business. That is why Edsyn is dedicated to bringing innovative ideas to life with the best in customer service.

For nearly 50 years, the majority of Edsyn products have been designed, manufactured or assembled at our factory in Van Nuys, California. We believe in providing the highest quality products and service and have a dedicated staff of nearly 30 employees. We also provide the best factory warranty in the business for the majority of our products - 18 months. We believe this sets the performance standard that the competition can only try to match. Our customer service and support people are standing by to help:

	Customer Service	Sales	Hummerworks
Telephone	818.989.2324	818.989.2324	818.989.2324
Fax	818.997.0460	818.997.0895	818.997.0895
Email	customerservice@edsyn.com	sales@edsyn.com	engineering@edsyn.com

NEW Hummerworks Service



Introducing
Hummerworks Service

At Edsyn we are continually reaching out to find better solutions to keep us all productive and self-supportive in our home markets. Because research and development is our passion and the driving force behind our name, we are now offering our dedicated engineering services to provide the solutions and innovative ideas to make your personal business thrive and grow no matter where you live. Here's how Edsyn **Hummerworks** Service can work for you:

Engineering Services

Edsyn Hummerworks provides R & D services designed to work hand-in-hand with organizations to meet their specific engineering needs, enabling them to succeed in the global market. Market dynamics have made it imperative for businesses to innovate and roll out products and services at a faster pace and at lower costs. Partnering with the right company to build these products correctly the first time and co-innovate in new technology is critical to success.

Dedicated Services

For nearly 50 years Edsyn's R & D team of professionals have demonstrated unsurpassed experience in the development, manufacturing and production of successful and marketable products unique to the electronics industry. We now offer these dedicated services to suit the unique needs of your industry.

Services to Suit Your Needs

Because businesses need to innovate and roll out products and services at a faster pace we have made Edsyn Hummerworks available by land *or air*. Edsyn provides their very own Cirrus Airplane equipped flight department as a productivity tool to help suit your organization's particular needs at a much faster rate so you can keep your competitive advantage no matter where you live.

Call to schedule a free consultation with Edsyn Hummerworks today!

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EDSYN
...bringing innovative ideas to life

Edsyn goes green

Look for this symbol

RoHS Compliance & Edsyn - *Restriction of Hazardous Substances* - is a directive for the European Union (EU) that became enforceable on July 1, 2006. It is normally referred to as the 'Lead Free Directive' but it actually contains six hazardous substances that are limited for manufacturing use. To be compliant, manufacturers may not place "new Electrical and Electronic Equipment (EEE) containing lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE), in amounts exceeding the set maximum concentration values, on the market in the EU". Complying with this directive helps to make disposal of products containing these hazardous substances less toxic and cleaner for the environment as well as decreasing the health risks associated with them.

How does Edsyn comply? Edsyn values the environment and its customers by complying with the RoHS directive even when it does not have to in the United States. Moreover, in January 2007, US legislature required all Edsyn products sold in California to meet the standards found in the *California Clean Water Act*. Some of these same standards were also required under the RoHS directive. Therefore, Edsyn felt it was very important to comply with all applicable RoHS standards no matter where our customers lived. This means that Edsyn is a fully compliant RoHS manufacturing facility in California and all of our stations, new tips, and applicable products are RoHS compliant no matter where they are sold.

Edsyn feels compliance with this directive and others like it are very important because these standards help reduce damage to people and the environment especially in third-world countries where much of today's "high-tech trash" ends up.

Besides being better for the environment, being RoHS compliant means that the use of lead-free solders and components provides immediate health benefits to our customers in prototype and manufacturing operations. Also for customers that use solder paste, contact with this substance now no longer represents the same health hazard as it did in times past.

We believe this helps all of us live up to Edsyn's mission to continue ***bringing innovative ideas to life*** for generations to come.

Lead-Free Tip Statement

As our industry continues the transition to Lead-Free manufacturing processes, Edsyn has continued to provide our customers with the products they need to remain competitive with their product offerings. To that end, we began using Lead-Free solder to tin our soldering and desoldering tips in 2003. This means that virtually all genuine Edsyn replacement tips are approved for use in Lead-Free processes.

Look for the "LF" Soldering Tip Series

The LF tips series is specifically designed for the higher temperatures used in Lead-Free processes. The iron plating is harder and slightly thicker than our standard plating and therefore dramatically increases the tip life. Over time, all of our soldering tips will be available in the new high temperature versions.

High Temperature Rated Tips

There are a series of tip styles that are now available for either high temperature or high heat transfer applications. These tips are made with a high temperature plating process and are specially designed for the higher temperatures used in Lead-Free processes. The plating used is harder and slightly thicker than our standard plating and tip life is significantly increased with this new plating process. Look for the series of part numbers that include these prefixes or suffixes:

Soldering: **LF • BC • XP**
Desoldering: **ZD**

SOLDERING

Stations pgs 12 - 19
Irons & Kits pgs 20 - 21
Tips pgs 22 - 29

Edsyn engineers patented the first temperature controlled soldering instrument in 1971 and trademarked it Loner® because it stood in a class of its own. Decades later and still using this trademark, Edsyn has created a complete line of Loner® soldering instruments, stations and tips to suit your needs. In this section you will be introduced to the tried and true and bold and new.

Manufactured or assembled solely at its factory in Van Nuys, California and backed by an 18 month warranty - Edsyn sets the performance standard that the competition can only hope to match.

2020

Features

- Our most advanced soldering system featuring a compact design with digital display
- Temperature set back & temperature lock-out
- °F/ °C display options
- Modular sponge tray
- Universal switching power supply
- Passcode lockout
- Push button external calibration
- Internationally approved power supply
- RoHS compliant
- ESD safe
- 18 month warranty

Contents

2020	High performance digital soldering station includes LST13-2 soldering iron and XP375 tip
PD528	Tool pod
SH235	Modular sponge tray with RS200 round cleaning sponge
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Models & Specifications	2020	2020-230	2020-230B
Power Requirements	100V-240V, 50-60Hz	100V-240V, 50-60Hz	100V-240V, 50-60Hz
Power Rating	60W	60W	60W
Heater Rating	24V, 53W	24V, 53W	24V, 53W
Plug/Power Supply	USA Standard	European	British
Weight	3 lbs (1.36 kg)		
Overall Dimension	7"W x 5½"H x 4"D (178 mm x 140 mm x 102 mm)		
Temperature Range	450°F-850°F (232°C-454°C)		
Temperature Regulation	±6°F (±3°C)		
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms		

LONER® Soldering Station

930

Features

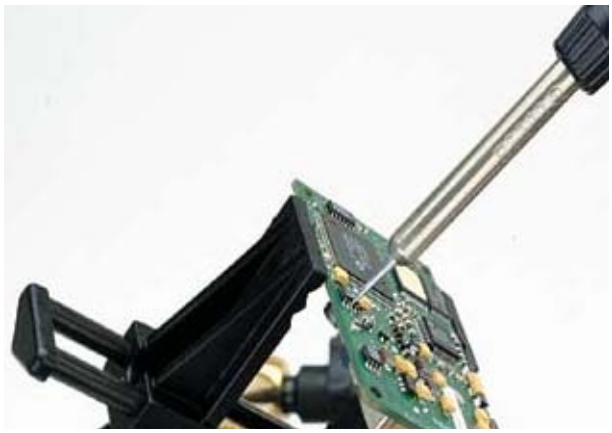
- Self-contained soldering instrument with temperature control dial located right on the 'nothing-to-hide ' clear view handle
- Uses a wide variety of tips
- Convenient wick and solder dispenser located in tool base (wick and solder supply sold separately)
- Detachable tool pod allows instant storage in tool box or central security cabinet
- High temperature versions available calibrated to 1000°F or 1200°F (please call for details)
- ESD safe
- 18 month warranty

Contents

930	Soldering station includes CL1080 soldering instrument with LT375 tip
IP329	IDLE REST® soldering tool base includes PD528 tool pod
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, and LN230 sponge liner

Options available

SW094	Solder wick (5 ft)



Specifications for Model 930

Power Requirements	120V, 60Hz
Power Rating	9W - 70W
Heater Rating	120V, 95W
Temperature Range	400°F-800°F (205°C-427°C)
Temperature Regulation	±6°F (±3°C)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV/< 2 ohms
Overall Dimension	4.1"W x 8.5"H x 10"D
	104 mm x 216 mm x 254 mm
Weight	2 lbs (1.0 kg)

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EDSYN® ...bringing innovative ideas to life

935

Features

- Self-contained soldering instrument with temperature control dial located right on the 'nothing-to-hide ' clear view handle
- Uses a wide variety of tips
- Power supply includes easy plug-in port for soldering instrument
- High temperature versions available calibrated to 1000°F or 1200°F (please call for details)
- ESD safe
- 18 month warranty

Contents

935	Soldering station with CL1080 soldering instrument, with LT375 tip and PD528 tool holder
PS536	Power supply soldering tool base
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, and LN230 sponge liner

Specifications for Model 935

Power Requirements	120V, 60Hz
Power Rating	9W - 70W
Heater Rating	120V, 95W
Temperature Range	400°F-800°F (205°C-427°C)
Temperature Regulation	±6°F (±3°C)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV/< 2 ohms
Overall Dimension	4.1"W x 8.5"H x 10"D
	104 mm x 216 mm x 254 mm
Weight	3.5 lbs (1.6 kg)

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951SX

Features

- An industry standard, highly dependable and cost efficient
- Accurate linear temperature control dial
- Easy to maintain and calibrate with external calibration feature
- Modular assembly for easy service and maintenance
- Wide variety of soldering and SMT CROWN® tips available
- International and high temperature models available calibrated to 1000°F or 1200°F (please call for details)
- ESD safe
- 18 month warranty

Contents

951SX	Temperature controlled soldering station includes LT375 tip
PD528	Tool pod
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, LN230 sponge liner
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Models & Specifications	951SX	951SX-230	951DX-230	951SX-230I	951SX-230B	951DX-230B
Power Requirements	120V, 60Hz	230V, 50-60Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz
Power Rating	15W - 220W	15W-220W	18W - 160W	15W - 220W	15W - 220W	18W - 160W
Heater Rating	120V, 95W	230V, 95W	24V, 53W	230V, 95W	230V, 95W	24V, 53W
Plug	USA Standard	European	European	USA Standard	British	British
Weight	2.5 lbs (1.4 kg)	2.5 lbs (1.4 kg)	4 lbs (1.8 kg)	2.5 lbs (1.4 kg)	2.5 lbs (1.4 kg)	4 lbs (1.8 kg)
Overall Dimension	4.1"W x 8.2"H x 10"D (104 mm x 208 mm x 254 mm)					
Temperature Range	400°F-800°F (205°C-427°C)					
Temperature Regulation	±6°F (±3°C)					
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms					

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EDSYN® ...bringing innovative ideas to life

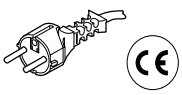
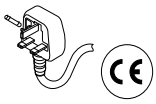
952SX

Features

- Dual soldering station offers both versatility and cost efficiency
- Temperature controlled standard soldering and heavy duty soldering available in one unit
- Easy to maintain and calibrate with external calibration feature
- Modular assembly for easy service and maintenance
- Wide variety of soldering and SMT CROWN® tips available
- International and high temperature models available calibrated to 1000°F or 1200°F (please call for details)
- ESD safe
- 18 month warranty

Contents

952SX	Dual temperature controlled soldering station includes LT375 and LT338BC tips
PD528	Includes two tool pods
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, LN230 sponge liner
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Models & Specifications	952SX	952DX-230	952DX-230B
Power Requirements	120V, 60Hz	230V, 50Hz	230V, 50Hz
Power Rating	15W - 220W	36W - 320W	36W - 320W
Heater Rating	120V, 95W	24V, 53W	24V, 53W
Plug	USA Standard	European 	British 
Weight	3.1 lbs (1.4 kg)	6 lbs (2.7 kg)	6 lbs (2.7 kg)
Overall Dimension	4.1"W x 8.2"H x 10"D (104 mm x 208 mm x 254 mm)		
Temperature Range	400°F - 800°F (205°C-427°C)		
Temperature Regulation	±6°F (±3°C)		
Tip-to-Ground Voltage & Leakage/Resistance	< 2mV / < 2 ohms		

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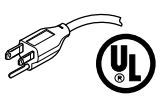
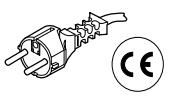
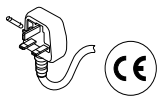
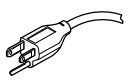
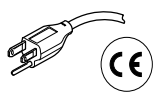
971

Features

- An advanced soldering station with precise temperature control that delivers rapid heat-up and recovery times
- New direct tip-to-heater design provides quicker recovery and better sensing as well as more accurate and stable temperatures at the tip
- Innovative handle design makes tip change quicker and easier
- Easy to maintain and calibrate with external calibration feature
- Accepts a wide variety of tips
- International models available
- ESD safe
- 18 month warranty

Contents

971	High performance temperature controlled soldering station includes LT375 tip
PD528	Tool pod
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, LN230 sponge liner
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Models & Specifications	971	971DX-230	971-230B	971DX-230B	971-230I	971DX-230I
Power Requirements	120V, 60Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz
Power Rating	15W - 220W	18W-160W	15W - 220W	18W - 160W	15W - 220W	18W - 160W
Heater Rating	120V, 95W	24V, 53W	230V, 95W	24V, 53W	230V, 95W	24V, 53W
Plug	USA Standard 	European 	British	British 	USA Standard 	USA Standard 
Weight	2.6 lbs (1.5 kg)	5 lbs (2.3 kg)	2.6 lbs (1.5 kg)	5 lbs (2.3 kg)	2.6 lbs (1.5 kg)	5 lbs (2.3 kg)
Overall Dimension	4.1"W x 8.2"H x 10"D (104 mm x 208 mm x 254 mm)					
Temperature Range	400°F-800°F (205°C - 427°C)					
Temperature Regulation	±6°F (±3°C)					
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms					

EDSYN® ...bringing innovative ideas to life

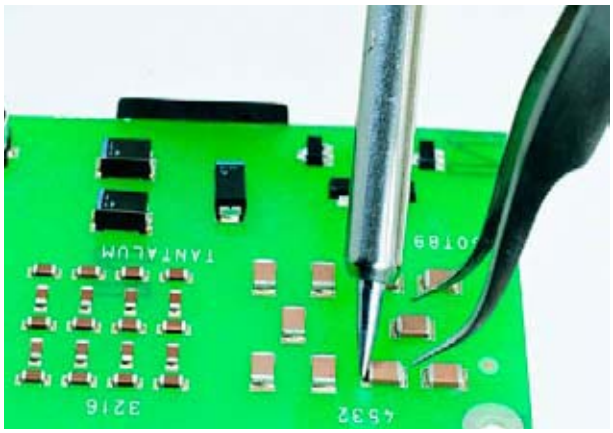
PSS2000

Features

- First patented temperature controlled hybrid portable soldering system with built-in battery backup system ideally suited for production environments with energy saving needs
- Maintains preset temperature during both brown-outs or complete power outages for 3-6 hours
- Includes maintenance free rechargeable lead-acid battery
- Perfect for mobile installation or repair, avionics, and remote areas where there is no primary power source
- ESD safe
- 18 month warranty

Contents

PSS2000	Portable hybrid soldering system includes LST21 soldering tool and LT375 tip (solder spool sold separately)
PD528	Tool pod
SH235	Sponge holder with RS199 cleaning sponge
MCA01	Auto power adapter
MCA02	Switching adapter



Specifications for Model PSS2000

Power Requirements	90-264 VAC
Switching Adaptor Power Rating	25W
Output Voltage	15VDC/1.67A
Heater Rating	24V, 30W
Temperature Range	400°F-800°F (205°C-427°C)
Temperature Regulation	±6°F (±3°C)
Overall Dimension	4.1"W x 8.5"H x 10"D 104 mm x 216 mm x 254 mm
Weight	6 lbs (2.7 kg)

LONER® High Performance Soldering Tools

CL1080

- Self-contained soldering instrument with temperature control dial located right on the 'nothing-to-hide ' clear view handle
- ESD safe
- Special models with higher maximum temperatures available calibrated to 1000°F or 1200°F (please call for details)

CL1180

- Excellent for hobby or professional use
- Portable
- Tamper-resistant temperature control
- ESD Safe

CL1481

- Economical without sacrificing quality
- Constant temperature
- ESD Safe

Models & Specifications	CL1080	CL1180	CL1280	CL1280I	CL1580I	CL1481
Power Requirements	120V, 60Hz	120V, 60Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	120V, 60Hz
Power Rating	9W - 70W	9W - 70W	70W	70W	9W - 70W	30W
Heater Rating	120V, 95W	120V, 95W	230V, 95W	230V, 95W	230V, 95W	120V, 30W
Plug	USA Standard	USA Standard	European	USA Standard	USA Standard	USA Standard
Weight	1 lb (.45 kg)					
Temperature Range	400°F-800°F (205°C - 427°C)					N/A
Temperature Regulation	±6°F (±3°C)					
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms					

Soldering Tool Holders

IP329

IP481

IP489

*IR089

*Suitable for CL1080 & CL1180 only

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CL1080-K

CL1080-K

- LONER® Temperature controlled soldering instrument
- SOLDAPULLT® Static safe desoldering hand tool
- SOLDAPSIP® Desoldering wick
- TWIP® Solder and wick holster
- 5 piece soldering tip kit
- UL listed

CL1481-K

CL1481-K

- LONER® 30 watt soldering instrument
- SOLDAPULLT® Desoldering hand tool
- TWIP® Solder and wick holster
- Cutter and plier set
- SOLDASIP® Desoldering wick
- 2 piece soldering tip kit
- UL listed

EA73-105

EA73-105

- Rechargeable battery powered soldering tool
- Quick heat up in 15 seconds
- Tip temperature up to 700°F
- Built in work light
- Charger included
- UL listed

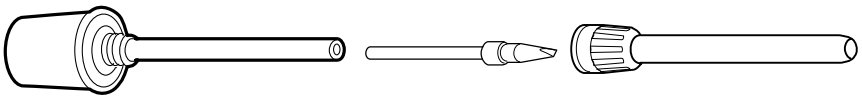
EA73-110

EA73-110

- Dual wattage soldering station
- Select between 20 and 40 watts
- Comes with holder and stand including sponge
- Replaceable tip (part number LT73)
- UL listed

Hollow Heater Soldering Tools and Stations

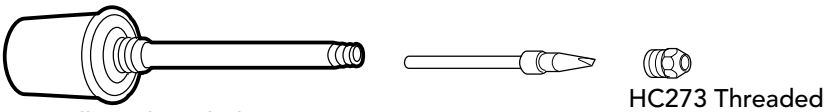
Part No.	Description
930	Soldering Station with CL1080 Soldering Tool and IP329 Base
935	Soldering Station with CL1080 Soldering Tool and PS536 Power Supply
951DX-230	Deluxe Soldering Station (includes all 230V models)
951SX	Soldering Station (includes all 230V models)
952DX-230	Dual Deluxe Soldering Station (includes all 230V models)
952SX	Dual Soldering Station (includes all 230V models)
CL1080	Temperature Controlled Soldering Tool
CL1180	Temperature Controlled Soldering Tool
CL1280I	Temperature Controlled Soldering Tool (230V)
CL1580I	Temperature Controlled Soldering Tool (230V)



Hollow Heater | Soldering Tip | RS372 Retaining Sleave

Hollow Threaded Heater Soldering Tools and Stations

Part No.	Description
CL1481	Constant Temperature Soldering Tool



Hollow Threaded Heater | Soldering Tip | HC273 Threaded Retaining Collar

Hollow Heater Soldering Tools and Stations

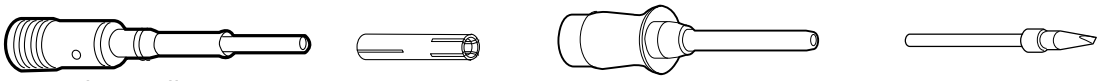
Part No.	Description
PSS2000	Hybrid Portable Soldering System

Hollow Heater | LTC7 Collet | Soldering Tip | RCS7 Retaining Sleeve

NOTE: Loosen collar when changing tips. DO NOT remove sleeve.

Front Loading Hollow Heater Soldering Tools and Stations

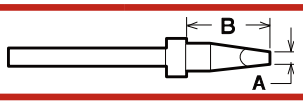
Part No.	Description
971	Deluxe High Performance Soldering Station (includes all 230V models)
971DX-230	Deluxe High Performance Soldering Station (includes all 230V models)
2020	Microprocessor Controlled Digital Soldering Station (includes all 230V models)

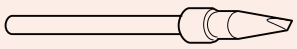
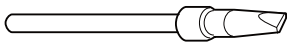
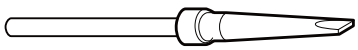
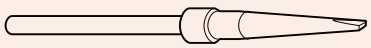


Front Loading Hollow Heater | LTC71 Collet | RCS71 Retaining Sleeve | Soldering Tip

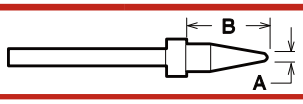
NOTE: Loosen collar when changing tips. DO NOT remove sleeve.

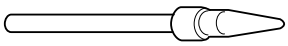
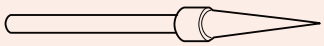
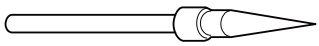
General Purpose Spade Tips



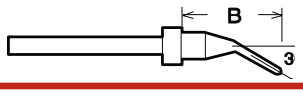
Part No.	Tip Image	Width A	Length B
LT375		.06" (1.5mm)	.48" (12.2mm)
LT376		.12" (3.0mm)	.48" (12.2mm)
LT394		.07" (1.8mm)	.93" (23.6mm)
LT395		.069" (2.3mm)	.74" (18.8mm)
LT431		.07" (1.8mm)	.74" (18.8mm)
LT444		.04" (1.0mm)	.78" (19.8mm)

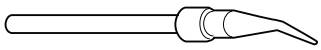
General Purpose Conical Tips



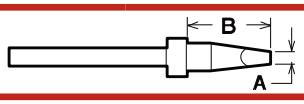
LT374		.03" (0.8mm)	.48" (12.2mm)
LT382		.02" (1.5mm)	.62" (15.8mm)
LT429		.02" (0.5mm)	.74" (18.8mm)

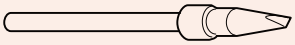
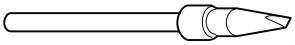
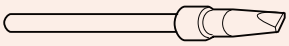
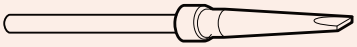
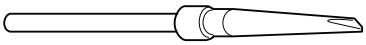
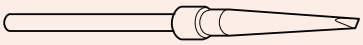
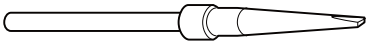
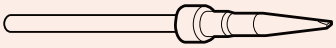
General Purpose Angled Conical Tip



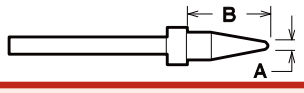
LT429-1		.02" (0.5mm)	.74" (18.8mm)

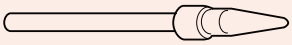
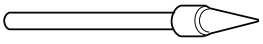
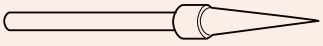
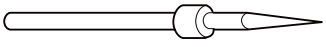
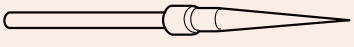
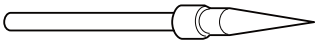
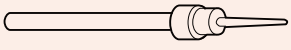
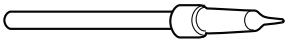
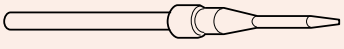
High Temperature Rated Spade Tips



Part No.	Tip Image	Width A	Length B
LT371LF		.03" (0.8mm)	.55" (14.0mm)
LT375LF		.06" (1.5mm)	.48" (12.2mm)
LT376LF		.12" (3.0mm)	.48" (12.2mm)
LT394LF		.07" (1.8mm)	.93" (23.6mm)
LT395LF		.09" (2.3mm)	.74" (18.8mm)
LT424LF		.06" (1.5mm)	.74" (18.8mm)
LT425LF		.05" (1.3mm)	.93" (23.6mm)
LT431LF		.07" (1.8mm)	.74" (18.8mm)
LT444LF		.04" (1.0mm)	.78" (9.8mm)

High Temperature Rated Conical Tips



LT374LF		.03" (0.8mm)	.48" (12.2mm)
LT380LF		.02" (0.5mm)	.32" (8.1mm)
LT382LF		.02" (0.5mm)	.62" (15.8mm)
LT383LF		.02" (0.5mm)	.72" (18.3mm)
LT392LF		.01" (0.3mm)	1.13" (28.8mm)
LT429LF		.02" (0.5mm)	.74" (18.9mm)
LT439LF		.03" (0.8mm)	.50" (12.7mm)
LT446LF		.03" (0.8mm)	.48" (12.2mm)
LT603LF		.02" (0.5mm)	.69" (17.5mm)

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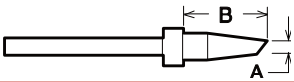
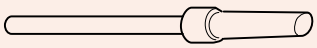
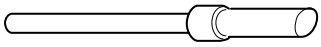
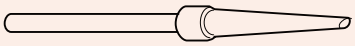
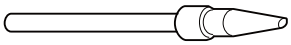
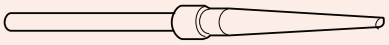
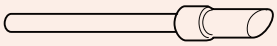
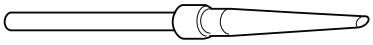
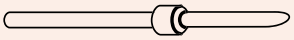
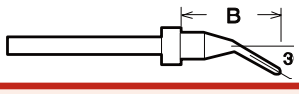
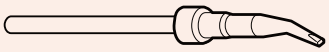
High Temperature Rated Angle Face Tips



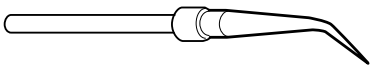
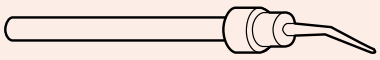
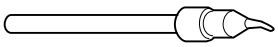
Part No.	Tip Image	Width A	Length B
LT298LF		.12" (3.1mm)	.59" (15.0mm)
LT299LF		.16" (4.0mm)	.59" (15.0mm)
LT373LF		.09" (2.3mm)	.59" (15.0mm)
LT387LF		.06" (1.5mm)	.48" (12.2mm)
LT393LF		.06" (1.5mm)	.94" (23.9mm)
LT398LF		.12" (3.0mm)	.59" (15.0mm)
LT399LF		.16" (4.0mm)	.59" (15.0mm)
LT430LF		.06" (1.5mm)	.74" (18.8mm)
LT433LF		.04" (1.2mm)	.69" (17.5mm)
LT443LF		.09" (5.6mm)	.69" (17.5mm)

High Temperature Rated Angled Spade Tips

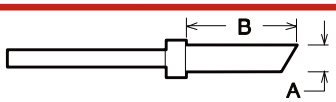


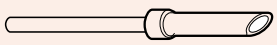
LT444-1LF		.064" (1.0mm)	.78" (9.8mm)

High Temperature Rated Angled Conical Tips

LT392-1LF		.01" (0.3mm)	1.13" (28.8mm)
LT439-1LF		.03" (0.8mm)	.50" (12.7mm)
LT602-1LF		.02" (0.5mm)	.44" (11.2mm)

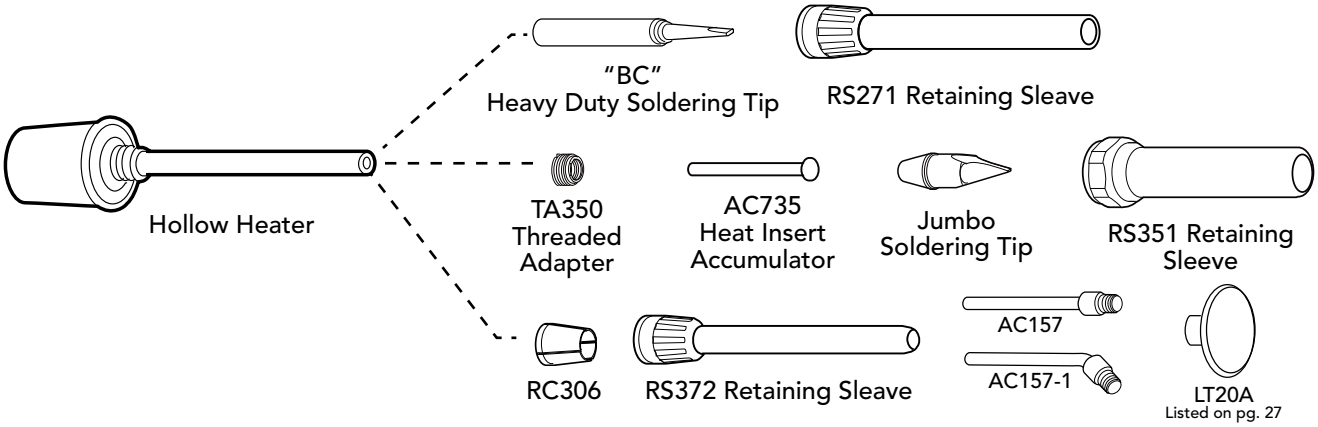
High Temperature Rated Mini Flow Rework Tips



LT396LF		.13" (3.3mm)	.69" (17.5mm)

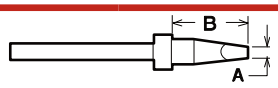
Hollow Heater Soldering Tools and Stations

Part No.	Description
930	Soldering Station with CL1080 Soldering Tool and IP329 Base
935	Soldering Station with CL1080 Soldering Tool and PS536 Power Supply
951DX-230	Deluxe Soldering Station (includes all 230V models)
951SX	Soldering Station (includes all 230V models)
952DX-230	Dual Deluxe Soldering Station (includes all 230V models)
952SX	Dual Soldering Station (includes all 230V models)
CL1080	Temperature Controlled Soldering Tool
CL1180	Temperature Controlled Soldering Tool
CL1280I	Temperature Controlled Soldering Tool
CL1580I	Temperature Controlled Soldering Tool



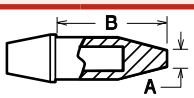
Listed on pg. 27

Heavy Duty Spade Tips



Part No.	Tip Image	Width A	Length B
HS106BC		.18" (4.6mm)	.45" (11.4mm)
LT336BC		.07" (1.8mm)	.74" (18.8mm)
LT337BC		.10" (2.5mm)	.74" (18.8mm)
LT338BC		.13" (3.3mm)	.74" (18.8mm)
LT441BC		.21" (5.3mm)	.94" (23.9mm)
Heavy Duty Angle Face Tips			
LT339BC		.09" (2.3mm)	.77" (19.6mm)
LT340BC		.12" (3.0mm)	.77" (19.6mm)
LT341BC		.16" (4.0mm)	.77" (19.6mm)
Heavy Duty SMD Knife Tip			
LT570BC		.17" (4.3mm)	.68" (17.3mm)

Heavy Duty Jumbo Spade & Angle Tips



LT151B		.06" (1.5mm)	1.13" (28.7mm)
LT152B		.32" (8.1mm)	.89" (22.6mm)
LT155B		.33" (8.4mm)	.97" (24.6mm)

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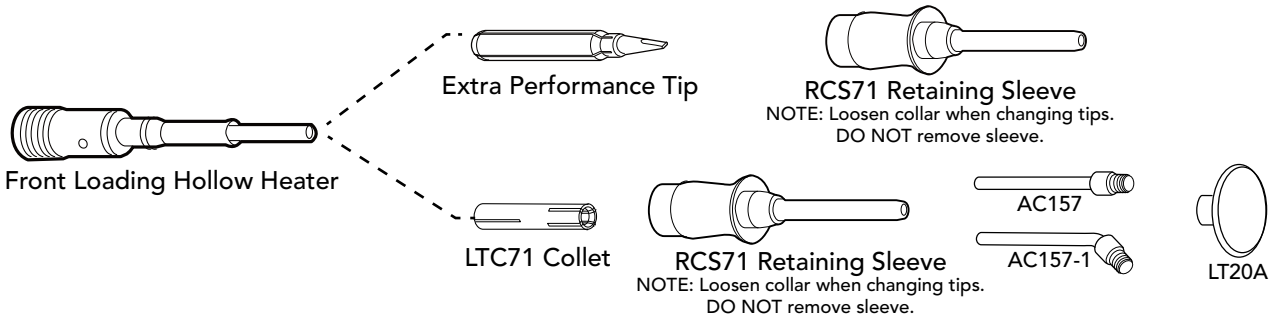
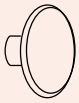
Front Loading Hollow Heater Soldering Tools and Stations

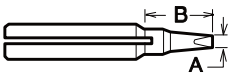
Part No.	Description
971	Constant Temperature Soldering Tool (includes all 230V models)
971DX-230	Deluxe High Performance Soldering Station (includes all 230V models)
2020	Microprocessor Controlled Digital Soldering Station (includes all 230V models)

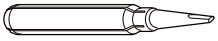
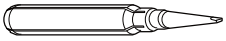


Heavy Duty Non-Plated Copper Leather Smoothing Tip

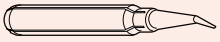
Part No.	Tip Image	Diameter	Length
LT20A		.79" (20mm)	N/A

Extra Performance Spade Tips



Part No.	Tip Image	Width A	Length B
XP371		.03" (.80mm)	.61" (15.5mm)
XP375		.06" (1.5mm)	.61" (15.5mm)
XP376		.12" (3.0mm)	.61" (21.2mm)
XP395		.09" (2.3mm)	.84" (21.2mm)
XP441		.20" (5.0mm)	.59" (15.0mm)
XP444		.04" (1.0mm)	.87" (22.0mm)

Extra Performance Conical Tips

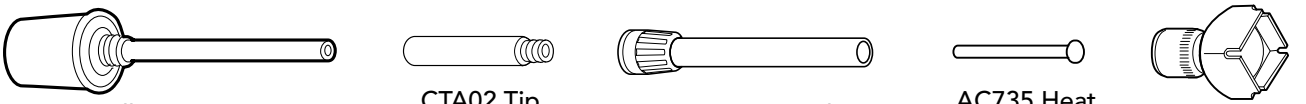
XP374		.04" (.9mm)	.61" (15.5mm)
XP429		.02" (.6mm)	.83" (21.0mm)

Extra Performance Angle Face Tip

XP399		.20 (5.0mm)	.45 (11.5mm)

Hollow Heater Soldering Tools and Stations

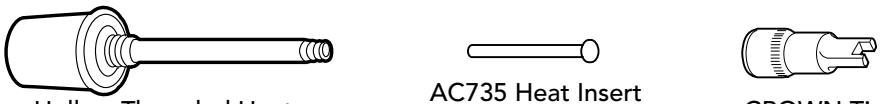
Part No.	Description
930	Soldering Station with CL1080 Soldering Tool and IP329 Base
935	Soldering Station with CL1080 Soldering Tool and PS536 Power Supply
951DX-230	Deluxe Soldering Station (includes all 230V models)
951SX	Soldering Station (includes all 230V models)
952DX-230	Dual Deluxe Soldering Station (includes all 230V models)
952SX	Dual Soldering Station (includes all 230V models)
CL1080	Temperature Controlled Soldering Tool
CL1180	Temperature Controlled Soldering Tool
CL1280I	Temperature Controlled Soldering Tool
CL1580I	Temperature Controlled Soldering Tool



Hollow Heater | CTA02 Tip Adapter | CTS71 Retaining Sleeve | AC735 Heat Insert Accumulator | CROWN Tip

Hollow Threaded Heater Soldering Tools and Stations

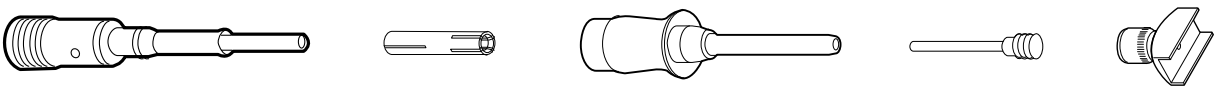
Part No.	Description
CL1481	LONER Constant Temperature Soldering Tool



Hollow Threaded Heater | AC735 Heat Insert Accumulator | CROWN Tip

Hollow Threaded Heater Soldering Tools and Stations

Part No.	Description
971	LONER Deluxe High Performance Soldering Station (includes all 230V models)
971DX-230	LONER Deluxe High Performance Soldering Station (includes all 230V models)
2020	LONER Microprocessor Controlled Digital Soldering Station (includes all 230V models)



Front Loading Hollow Heater | LTC71 Adapter | RCS71 Retaining Sleeve | CTA03 Heat Insert Accumulator | CROWN Tip

NOTE: Loosen collar when changing tips.
DO NOT remove sleeve.

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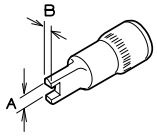
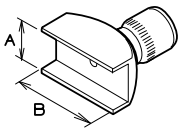
CROWN® Series Contact Surface Mount Tips



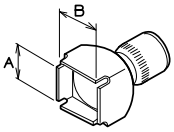
Part No.	Package	Tip Image	Width A	Length B
CT12	SOT-23		.07" (1.8mm)	.10" (2.5mm)
CT21	805		.09" (2.3mm)	.06" (1.5mm)
CT25	SOT-89		.10" (2.5mm)	.21" (5.3mm)
CT31	1206, 1210		.14" (3.5mm)	.07" (1.8mm)
CT42	1808, 1812		.19" (4.8mm)	..09" (2.3mm)
CT52	N/A		.20" (5.1mm)	.10" (2.5mm)
CT53	N/A		.23" (5.8mm)	.14" (3.5mm)

CROWN® Tunnel SMD Tips



CT110	SOIC-18		.38" (9.5mm)	.40" (10.2mm)
CT113	SOIC-20		.38" (9.5mm)	.52" (13.2mm)
CT116	SOIC-24		.38" (9.5mm)	.62" (15.7mm)
CT118	SOIC-28		.38" (9.5mm)	.72" (18.2mm)
CT227	N/A		.44" (11.1mm)	1.13" (28.7mm)
CT504	SOIC-8		.20" (5.1mm)	.18" (4.5mm)
CT509	N/A		.20" (5.1mm)	.34" (8.6mm)
CT510	SOIC-14, 16		.20" (5.1mm)	.41" (10.4mm)
CT711	SOMC-16		.27" (6.9mm)	.45" (11.4mm)
CT919	SOJ-28		.34" (8.6mm)	.74" (18.8mm)

CROWN® Quad SMD Tips



CT0808	N/A		.31" (7.9mm)	.31" (7.9mm)
CT0814	PLCC-18		.34" (8.6mm)	.54" (13.6mm)
CT1010	PLCC-20		.40" (10.2mm)	.40" (10.2mm)
CT1313	PLCC-28		.50" (12.7mm)	.50" (12.7mm)
CT1315	PLCC-32		.50" (12.7mm)	.60" (15.2mm)
CT1515	TQFP-100		.60" (15.2mm)	.60" (15.2mm)
CT1616	44-QFP		.64" (16.3mm)	.64" (16.3mm)
CT1723	64/80-QFP		.68" (17.3mm)	.92" (23.2mm)
CT1818	PLCC-44		.70" (17.8mm)	.70" (17.8mm)
CT2020	PLCC-52		.81" (20.6mm)	.81" (20.6mm)
CT2626	PLCC-68		1.00" (25.4mm)	1.00" (25.4mm)
CT3131	PLCC-84		1.20" (30.5mm)	1.20" (30.5mm)
CT3434	N/A		1.30" (33.5mm)	1.30" (33.5mm)

DESOLDERING

Stations pgs 31 - 32
Portables page 33
Vacuum Power pgs 34 - 35
Replacement Tips pgs 36 - 37

Edsyn invented the industry's first patented desoldering hand tool known as the Soldapullt®. This spring-loaded, hand-held vacuum device launched an industry revolution that continues to this day.

Once again, Edsyn engineers have created a unique desoldering solution - the ZD500DX - a deluxe hot tip desoldering station that redefines the quality standard. You can see and feel the quality from the moment you first pick up this ergonomic hand tool.

Manufactured at its factory in Van Nuys, California and backed by an 18 month warranty - Edsyn sets a performance standard that the competition can only try to match.

ZD500DX

Features

- A self-contained and high performance vacuum desoldering station ideal for heavy duty applications that require maximum heat transfer
- Powerful 70W high output PTC heating element makes heavy multi-layer boards easy to desolder
- Adjustable and ergonomic hand tool design offers four comfortable working angles
- Easy to maintain and calibrate with external calibration feature
- 18 month warranty & ESD safe

Contents

ZD500DX	Self-Contained deluxe hot tip desoldering station includes HT500-2 hand tool with ZD13 tip
SH232	Sponge holder with RS199 cleaning sponge

Accessory Kit

WT623	Tip wrench, dual open end, 1/4" & 3/4"
WT619	Tip wrench, for retaining sleeve
WP556	WIGAPRY® mini screwdriver and calibration aid tool
CS468	Tip cleaning shaft for desoldering tips
CS468-1	Tip cleaning shaft for small desoldering tips
AN112	Anti-Seize compound
OL111	O-Ring lube
MS229	1 pc. mica sheet for HT500-2
AF629	1 pc. felt filter for AF110
AF625	1 pc. felt filter for HT500
AF040	1 pc. foam filter for AF110

Models & Specifications	ZD500DX	ZD500DX-230	ZD500DX-230B	ZD500DX-230I
Power Requirements	120V, 60Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz
Power Rating	95W - 200W	95W - 200W	95W - 200W	95W - 200W
Heater Rating	24V, 70W	24V, 70W	24V, 70W	24V, 70W
Plug	USA Standard	European	British	USA Standard
Weight	6 lbs (2.7 kg)			
Overall Dimension	5.0"W x 8.5"H x 9.0"D (127 mm x 216 mm x 229 mm)			
Temperature Range	400°F-800°F (205°C - 427°C)			
Temperature Regulation	±6°F (±3°C)			
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms			

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SOLDAPULLT® Hot Tip Desoldering Station

ZD505V

Features

- Outstanding performance and cost-efficient station ideal for heavy duty applications that require maximum heat transfer (requires shop air 60-90 psi)
- Powerful 70W high output PTC element makes heavy multi-layer boards easy to desolder
- Adjustable and ergonomic hand tool design provides comfortable working angles
- Easy to maintain and calibrate with external calibration feature
- 18 month warranty & ESD safe

Contents

ZD505V	Shop air powered hot tip desoldering station includes PM100 vacuum generator and HT500 hand tool with ZD13 tip
SH230	Sponge holder includes RS199 cleaning sponge

Accessory Kit

WT623	Tip wrench, dual open end, 1/4" & 3/4"
WT619	Tip wrench, for retaining sleeve
WP556	WIGAPRY® mini screwdriver and calibration aid tool
CS468	Tip cleaning shaft for desoldering tips
CS468-1	Tip cleaning shaft for small desoldering tips
AN112	Anti-Seize compound
OL111	O-Ring lube
MS229	1 pc. mica sheet for HT500
AF629	1 pc. felt filter for AF110
AF625	1 pc. felt filter for HT500
AF040	1 pc. foam filter for AF110

Models & Specifications	ZD505V	ZD505V-230	ZD505V-230B	ZD505V-H9-230B
Power Requirements	120V, 60Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz
Power Rating	20W - 150W	20W - 150W	20W - 150W	20W - 150W
Heater Rating	24V, 70W	24V, 70W	24V, 70W	24V, 70W
Plug	USA Standard	European	British	British
				Unit calibrated to 900°F
Weight	4.1 lbs (1.8 kg)			
Overall Dimension	5.0"W x 9.5"H x 9.0"D (127 mm x 241 mm x 229 mm)			
Temperature Range	400°F-800°F (205°C - 427°C)			
Temperature Regulation	±6°F (±3°C)			
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms			

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DS017

Length: 13" (330mm) Wt: 3.5oz (99g)

"The Original" Deluxe SOLDAPULLT®

- Designed for heavy duty, high volume applications
- Easy one-hand loading and operation
- Integral cleaning shaft self-cleans no-stick PTFE tip

AS196

Length: 13" (330mm) Wt: 3.5oz (99g)

SILVERSTAT® SOLDAPULLT®

- The "Rolls Royce" of static safe desoldering hand tools
- Identical in size and performance to the DS017
- Engineered with conductive plating
- Especially designed for desoldering of static safe components

DS017LS

Length: 13" (330mm) Wt: 3.5oz (99g)

Static Safe Deluxe SOLDAPULLT®

- Same as DS017 but molded from conductive plastic

PT109

Length: 12" (304mm) Wt: 2.5oz (71g)

SOLDAPULLT®III

- Smooth acting, light weight spring loaded tool
- Similar to the DS017 but with petite barrel for smaller hands
- Locking retractable shaft guide for portability and compact storage
- Integral cleaning shaft self-cleans no-stick PTFE tip

PT409

Length: 12" (304mm) Wt: 2.5oz (71g)

Static Safe SOLDAPULLT® III

- Same as PT109 but molded from conductive plastic

PT209

Length: 12" (304mm) Wt: 2.5oz (71g)

Micro Tip SOLDAPULLT® III

- Micro tip version of PT109 for heavily populated circuit boards and precision work
- Light weight petite barrel for smaller hands
- Locking retractable shaft guide for portability and compact storage
- Integral cleaning shaft self-cleans no-stick micro PTFE tip

US140

Length: 8.5" (216mm) Wt: 1.5oz (43g)

Universal SOLDAPULLT®

- Compact single-handed loading system
- Adjustable loading stroke to fit individual needs
- Loading and trigger release done with thumb

*See page 37 for a complete list of Replacement Tips and O-Rings

SS011

Length: 8" (203mm) Wt: 1.7oz (49g)

Static Safe SOLDAPULLT® Successor

- Static protection for sensitive devices
- Precision engineered metal barrel & static safe PTFE tip
- Simple single handed loading system

SS102

Length: 8" (203mm) Wt: 1.9oz (54g)

Micro Tip Static Safe SOLDAPULLT® Successor

- Micro tip version of SS011 for heavily populated boards and precision work
- Palm grip or finger touch trigger for easier handling
- Precision engineered metal barrel & static safe PTFE tip
- Simple single handed loading system

SS343

Length: 8.5" (216mm) Wt: 1.4oz (40g)

Static Safe Pico Tip Challenger SOLDAPULLT®

- New pointed pico tip for precision desoldering and high vacuum velocity for optimum performance
- Precision engineered metal barrel & static safe PTFE tip
- Simple single-handed loading system
- Static protection for sensitive devices

SS750LS

Length: 8.5" (216mm) Wt: 1.2oz (34g)

Economical Static Safe Challenger SOLDAPULLT®

- Compact static safe barrel
- Quick change tiplet for no hassle maintenance
- Simple single-handed loading system

SS350

Length: 9" (229mm) Wt: 1.4oz (40g)

Static Safe Challenger SOLDAPULLT®

- Outstanding quality for the professional or hobbyist
- Precision engineered metal barrel & static safe PTFE tip
- Simple single-handed loading system
- Adjustable loading stroke to reduce hand strain

US340

Length: 8.5" (216mm) Wt: 1.5oz (43g)

Static Safe Universal SOLDAPULLT®

- Same as US140 but molded from conductive material
- Compact single-handed loading system
- Adjustable loading stroke to fit individual needs
- Loading and trigger release done with thumb

Auto-Vac® Power Head & Holders

DS117

DS317

DS517

Common Features

- All models feature a self-cleaning automatic vacuum desoldering system that runs on continuous suction when trigger is pressed (requires external vacuum source - see VP171 or VS171A on next page for options)
- Convenient Auto- Vac® trigger on hand piece for quick action precise vacuum control
- Ideal for heavy duty work, large wiring, terminals, IC's and connectors
- Handle pulls off easily for easy cleaning and maintenance

Unique Features

- **DS117** is a heavy duty unit with a large clear plastic chamber to reduce clogging, hold more debris and visually determine when maintenance and cleaning is required. Power piston in holder cleans the tip whenever Auto- Vac® trigger is depressed
- **DS317** is a heavy duty unit especially designed with static-safe conductive plating for static sensitive components
- **DS517** is precision engineered metal barrel with static safe PTFE tip and has a slim aluminum anodized barrel for smaller hands

Contents

DS117

PH177	Power Head with SRT12 Standard Tip
PH178	Power Head Holder
OA193	O-Ring Set of 5 (for PH177 & PH178)

DS317

PH246	Power Head with LS197 Standard Tip
PH184	Power Head Holder
OA195	O-Ring Set of 3 (for PH177 & PH246)

DS517

PH358	Power Head with LS561 Micro Tip
PH247	Power Head Holder
OA197	O-Ring Set of 3

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VP171

VS171A

Typical set up for the VP171 ATMOSCOPE® vacuum generator with DS317 (can connect up to six desoldering tools)

Common Features

- No electrical hookup required
- Self regulating
- Stored vacuum provides instant vacuum response
- ESD-safe construction
- Requires clean and dry shop air:
  60 - 90 psi/4.1 - 6.2 bar
- Quiet vacuum: 15 - 22 in. Hg/381- 559 mm
- Automatic shut-off mechanism

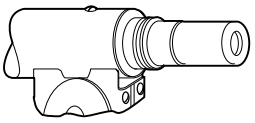
Unique Features

- **VP171** has a large vacuum tank to support six separate desoldering applications
- **VS171A** has a vacuum tank to support one desoldering application

Models & Specifications	VP171	VS171A
Dimensions	10" x 6.2" x 7.6"	8.3" x 4.1" x 6.8"
Weight	2.9 lb (1.3 kg)	1.4 b (.63 kg)

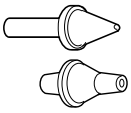
Heater Desoldering Tools and Stations

Part No.	Description
ZD500DX	SOLDAPULLT® Self-Contained Hot Tip Desoldering Station (includes all 230V models)
ZD505V	SOLDAPULLT® Hot Tip Desoldering Station (includes all 230V models)

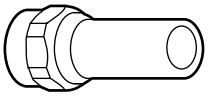


HT500 Heater

General Purpose Tip

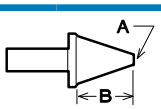


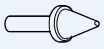
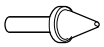
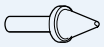
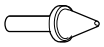
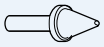
Funnel Tip



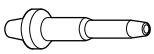
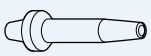
RS383 Retaining Sleeve

Iron-Plated General Purpose Tips



Part No.	Tip Image	Width A	Length B
ZD12		.03" (0.8mm)	.50" (12.7mm)
ZD13		.04" (1.0mm)	.50" (12.7mm)
ZD14		.06" (1.5mm)	.50" (12.7mm)
ZD18		.07" (1.8mm)	.50" (12.7mm)
ZD19		.12" (3.0mm)	.50" (12.7mm)

Iron-Plated Funnel Tips

ZD107		.02" (10.5mm)	.48" (12.2mm)
ZD111		.03" (0.8mm)	1.22" (31.0mm)
ZD112		.03" (0.8mm)	.48" (12.2mm)
ZD113		.04" (1.0mm)	.48" (12.2mm)
ZD115		.07" (1.8mm)	1.22" (31.0mm)
ZD118		.07" (1.8mm)	.48" (12.2mm)

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Portable Replacement Tips and O-Rings

Soldapullt® Part No.	Tip Part No.	Tip Image	i.d.	L	Replacement O-Ring Part No.
AS196	LS197		.136" (3.4mm)	.53" (13.5mm)	ODS31
DS017	SRT12		.136" (3.4mm)	.53" (13.5mm)	ODS31
DS017LS	LS197		.136" (3.4mm)	.53" (13.5mm)	ODS31
DS117	SRT12		.136" (3.4mm)	.53" (13.5mm)	OA193 & ODS31
DS317	LS197		.136" (3.4mm)	.53" (13.5mm)	OA195 & ODS31
DS517	LS561		.098" (2.5mm)	.53" (13.5 mm)	OA197
PT109	SRT12		.136" (3.4mm)	.53" (13.5mm)	OSB32
PT209	MRT16		.098" (2.5mm)	.53" (13.5mm)	OSB32
PT409	LS197		.136" (3.4mm)	.53" (13.5mm)	OSB32
SS011	LS363A		.136" (3.4mm)	.53" (13.5mm)	OS130
SS102	LS364A		.098" (2.5mm)	.53" (13.5mm)	OS130
SS343	LS915		.070" (1.8mm)	.53" (13.5mm)	OS130
SS350	LS363		.136" (3.4mm)	.53" (13.5mm)	OS130
SS750LS	LS751		.107" (2.7mm)	.50" (12.7mm)	OS130
US140	SRT12		.136" (3.4mm)	.53" (13.5mm)	ODS31
US340	LS197		.136" (3.4mm)	.53" (13.5mm)	ODS31

Maintenance Tip: Use OL111 O-Ring lube for lubrication and longer tool life

SMT

Stations pgs 39 - 41
Tips pgs 42 - 47

Edsyn offers versatile rework solutions to your production and rework challenges. Using precise airflow & heat transfer you can simultaneously remove and rework electronic components up to 208 QFP.

Edsyn's SMT solutions are perfect for micro rework applications as well and work with pinpoint accuracy and temperature control. Each station offers unique versatility and outstanding performance and are designed for high performance in a small footprint.

Manufactured at its factory in Van Nuys, California and backed by an 18 month warranty - Edsyn sets a performance standard that the competition can only try to match.

EDSYN® ...bringing innovative ideas to life

971HA

Features

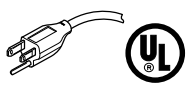
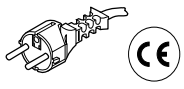
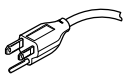
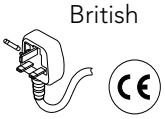
- Versatile and outstanding performance using hot air or contact rework techniques from one handle (requires shop air or nitrogen, 20-80 psi)
- Adjustable airflow and automatic shut-off valve when hand piece is placed in holder
- Easy to maintain and calibrate with external calibration feature
- Uses a wide variety of nozzle sizes
- ESD Safe
- 18 month warranty

Contents

971HA	SMT hot air station includes LT428 tip
PD533	Tool pod
PR570	Flow regulator and meter
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, LN230 sponge liner

Accessory Kit

WT620	Tip wrench, 1/4" socket
WT624	Tip wrench, dual open end, 1/4" & 5/16"
ST706	SMD tool to lift off SMD's
RB641	Shim blade replacement
WS630	SMD pull wire with low static spool
AN112	Anti-Seize compound
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Models & Specifications	971HA	971DH-230	971HA-230I	971DH-230B
Power Requirements	120V, 60Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz
Power Rating	15W - 220W	18W - 160W	125W	18W - 160W
Heater Rating	120V, 95W	24V, 53W	230V, 95W	24V, 53W
Plug	USA Standard 	European 	USA Standard 	British 
Weight	3.3 lbs (1.5 kg)	5.5 lbs (2.5 kg)	3.3 lbs (1.5 kg)	5.5 lbs (1.5 kg)
Overall Dimension	4.1"W x 9.7"H x 10"D (104 mm x 246 mm x 254 mm)			
Temperature Range	400°F - 800°F (205°C - 427°C)			
Temperature Regulation	±6°F (±3°C)			
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms			

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LONER® ATMOSCOPE® SMT Station

1036

Features

- Self-contained hot air station with a built-in air source specifically designed to navigate densely populated areas with pinpoint accuracy
- Provides precise application of hot air for components with up to 84 pins (208 QFP)
- Adjustable airflow
- Uses a wide variety of nozzle sizes and expands to include optional soldering iron
- ESD safe
- 18 month warranty

Contents

1036	Self-Contained SMT hot air station with FA069 hot air handle with LT428 tip
PD525	Tool pod
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, LN230 sponge liner

Accessory Kit

WT620	Tip wrench, 1/4" socket
WT624	Tip wrench, dual open end, 1/4" & 5/16"
ST706	SMD tool to lift off SMD's
RB641	Shim blade replacement
WS630	SMD pull wire with low static spool
AN112	Anti-Seize compound

Models & Specifications	1036	1036-230B
Power Requirements	120V, 60Hz	230V, 50Hz
Power Rating	150W	125W
Heater Rating	120V, 95W	230V, 95W
Plug	USA Standard	British
Weight	4.3 lbs (1.9 kg)	
Overall Dimension	5.2"W x 8.5"H x 10"D (132 mm x 216 mm x 254 mm)	
Temperature Range	400°F-800°F (205°C - 427°C)	
Temperature Regulation	±6°F (±3°C)	
Tip-to-Ground Voltage & Leakage/Resistance	< 2mV / < 2 ohms	

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1036DX

Features

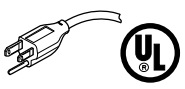
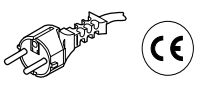
- A deluxe self-contained hot air station with versatility to adjust to either hot air or contact soldering from the same handle
- Use to rework Gullwings, J-Leads, PLCC's and small outline components
- Small hand tool is light and easy to use
- Uses a wide variety of nozzle sizes and general purpose soldering tips
- Small vacuum pick up tool included
- ESD safe
- 18 month warranty

Contents

1036DX	Self-Contained Deluxe SMT hot air station with LU26 hot air tip and LT375 soldering tip
PD533	Tool pod for hot air tool
LP250	Pick-Up tool for SMD components
PD532	Tool holder for pick-up tool
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, LN230 sponge liner

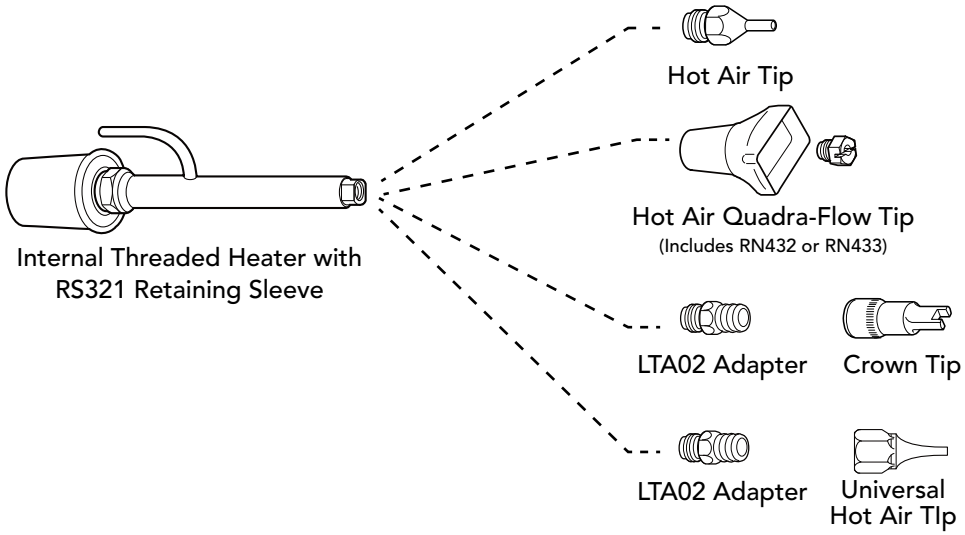
Accessory Kit

WT620	Tip wrench, 1/4" socket
WT623	Tip wrench, dual open end, 1/4" & 3/4"
WT624	Tip wrench, dual open end, 1/4" & 5/16"
ST800	SMD helper (includes RB642 shim blade and WS630 pull wire)
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Models & Specifications	1036DX	1036DX-230B	1036DX/B-230
Power Requirements	120V, 60Hz	230V, 50Hz	230V, 50Hz
Power Rating	85W - 230W	125W	18W - 160W
Heater Rating	24V, 53W	230V, 95W	24V, 53W
Plug	USA Standard 	British	European 
Weight	5.0 lbs (2.3 kg)	6.5 lbs (2.9 kg)	4.3 lbs (1.9 kg)
Overall Dimension	5.2"W x 8.5"H x 10"D (104 mm x 216 mm x 254 mm)		
Temperature Range	400°F - 800°F (205°C - 427°C)		
Temperature Regulation	±6°F (±3°C)		
Tip-to-Ground Voltage & Leakage/Resistance	< 2mV / < 2 ohms		

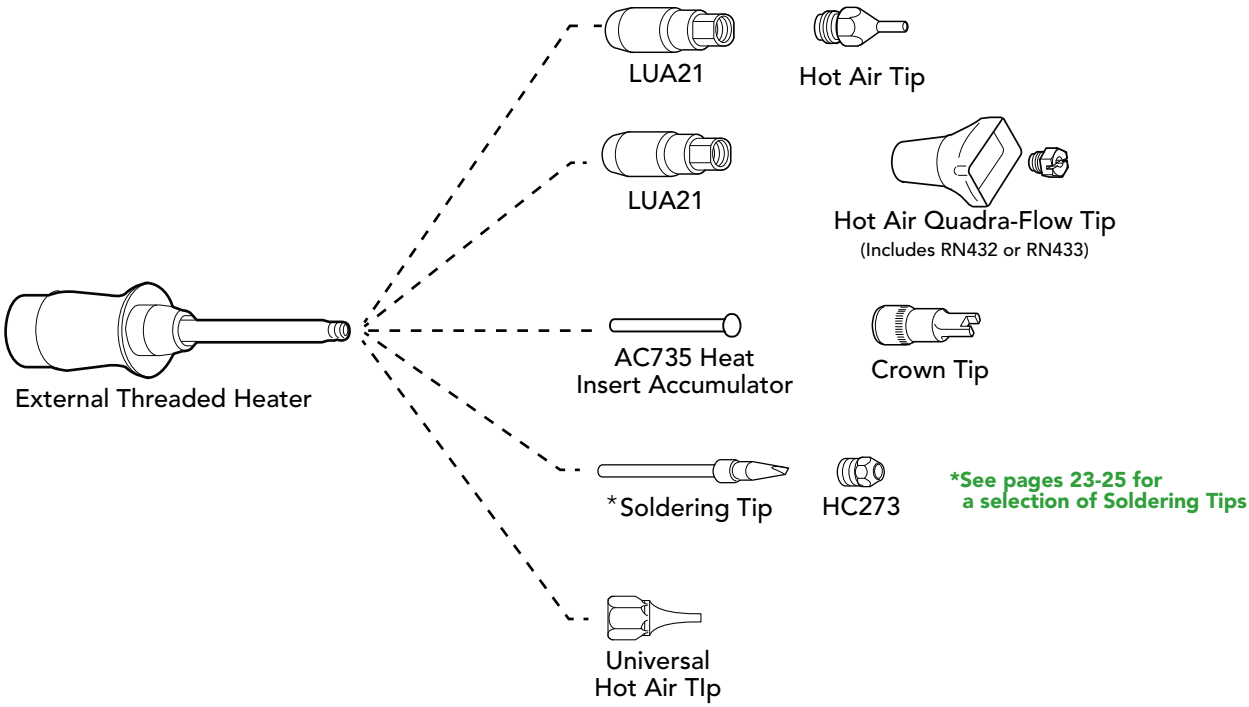
Internal Threaded Heater Hot Air Tools and Stations

Part No.	Description
971HA	SMT Hot Air Station
1036	Self-Contained SMT Hot Air Station (with FAO69 Hot Air Tool)



Internal Threaded Heater Hot Air Tools and Stations

Part No.	Description
1036DX	Self-Contained SMT Deluxe Hot Air Station



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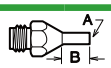
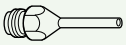
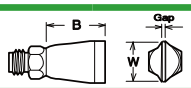
Single Nozzle Tips



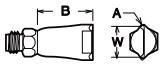
Part No.	Tip Image	Hole Dia. A	Length B
LT427		.02" (0.5mm)	.38" (95mm)
LT428		.06" (1.5mm)	.25" (6.4mm)
LT432		.04" (1.0mm)	.06" (1.5mm)
LT514		.10" (2.5mm)	.25" (6.4mm)

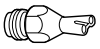
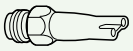
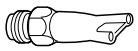
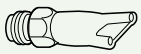
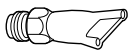
Fan Tips



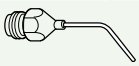
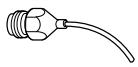
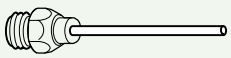
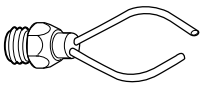
Part No.	Tip Image	Gap	Width W	Length B
LT426		.02" (0.5mm)	.30" (7.6mm)	.17" (4.3mm)
LT434		.02" (0.5mm)	.46" (11.7mm)	.23" (5.8mm)
LT435		.02" (0.5mm)	.59" (15.0mm)	.35" (8.9mm)
LT436		.02" (0.5mm)	.65" (16.5mm)	.43" (10.9mm)

Dual Flow Tips

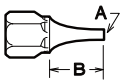


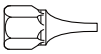
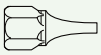
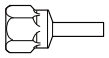
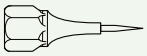
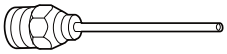
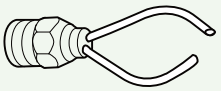
Part No.	Tip Image	Hole Dia. A	Width W	Length B
LT526		.03" (0.8mm)	.12" (3.0mm)	.30" (7.6mm)
LT534		.05" (1.3mm)	.20" (5.1mm)	.46" (11.7mm)
LT535		.05" (1.3mm)	.28" (7.1mm)	.59" (15.0mm)
LT536		.05" (1.3mm)	.35" (8.9.mm)	.65" (16.5mm)
LT537		.05" (1.3mm)	.44" (11.2mm)	.80" (20.4mm)

Curl/Bent Tips

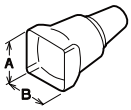
Part No.	Tip Image	Hole Dia.	Nozzle Length
LT510		.02" (0.5mm)	.65" (16.5mm)
LT511		.06" (1.5mm)	.65" (16.5mm)
LT512		.07" (1.8mm)	.90" (22.9mm)
LT513		.10" (2.5mm)	.90" (22.9mm)
LT571		.04" (1.0mm)	1.10" (27.9mm)
LT572		.04" (1.0mm)	MAX. GAP WIDTH 1.25" (31.8mm)

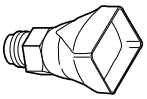
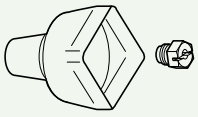
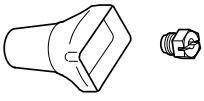
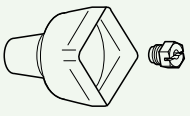
Universal Hot Air Tips



Part No.	Tip Image	Hole Dia A	Length B
LU25		.03" (6.4mm)	.25" (6.4mm)
LU26		.04" (6.4mm)	.25" (6.4mm)
LU27		.06" (6.4mm)	.25" (6.4mm)
LU28		.09" (6.4mm)	.25" (6.4mm)
LU29		.05" (7.5mm)	.29" (7.5mm)
LU30		.05" (17.8mm)	.70" (17.8mm)
LU571		.04" (27.9mm)	1.10" (27.9mm)
LU572		.04" (1.0mm)	MAX. GAP WIDTH 1.25" (31.8mm)

SMD Quadra Flow Hot Air Tips



Part No.	Package	Tip Image	Width A	Length B
LT447	SO-8		.16" (4.0mm)	.20" (5.1mm)
LT448	SO-14		.21" (5.3mm)	.35" (8.9mm)
LT449	SO-16		.26" (6.6mm)	.41" (10.4mm)
LT450	SO-16L		.42" (10.7mm)	.43" (10.9mm)
LT451	SO-18L		.44" (11.2mm)	.48" (12.2mm)
LT452	SO-20L		.38" (9.5.mm)	.52" (13.2mm)
LT454	SO-28L		.43" (10.9mm)	.73" (18.6mm)
LT455	PLCC-20		.40" (10.2mm)	.40" (10.2mm)
LT456	PLCC-28		.50" (12.7mm)	.50" (12.7mm)
LT458	PLCC-44 LCCC-44		.70" (17.8mm)	.70" (17.8mm)

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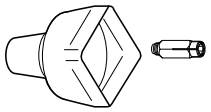
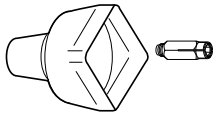
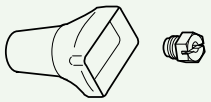
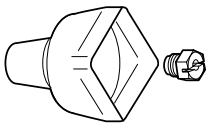
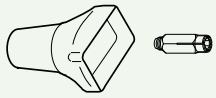
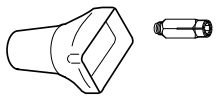
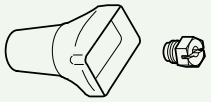
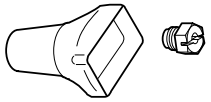
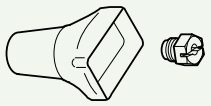
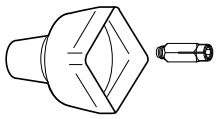
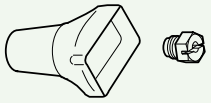
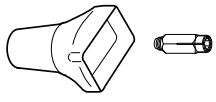
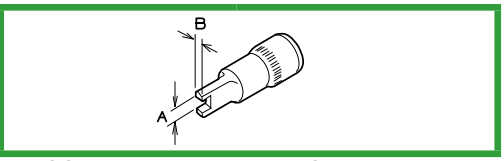
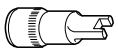
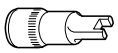
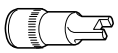
SMD Quadra Flow Hot Air Tips

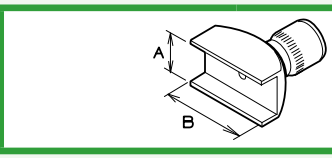
Part No.	Package	Tip Image	Width A	Length B
LT459	PLCC-52 QFP-100		.80" (20.3mm)	.80" (20.3mm)
LT459-1			.80" (20.3mm)	.80" (20.3mm)
LT460	PLCC-68		1.0" (25.4mm)	1.0" (25.4mm)
LT462	PLCC-18		.34" (8.6mm)	.55" (14.0mm)
LT463	QFP-44		.60" (15.2mm)	.60" (15.2mm)
LT468	QFP-100		.66" (16.8mm)	.90" (22.9mm)
LT477			.75" (19mm)	1.0" (25.4mm)
LT478	LCCC-18R		.32" (8.1mm)	.45" (11.4mm)
LT482	LCCC-32R		.47" (11.9mm)	.58" (14.7mm)
LT484	SOJ-20		.40" (10.2mm)	.79" (20.1mm)
LT485			.52" (13.2mm)	.64" (16.3mm)
LT486	PLCC-28R		.40" (10.2mm)	.60" (15.2mm)
LT488	LCCC-84 QFP-144		1.17" (29.7mm)	1.17" (29.7mm)
LT493	SOJ-32		.48" (12.2mm)	.85" (21.6mm)
LT494	SOJ-40		.45" (11.4mm)	1.05" (26.7mm)
LT1629 LT1824 LT2228	SOP-44 QFP-100		.63" (16.0mm) .70" (17.8mm) .85" (21.6mm)	1.14" (29.0mm) .94" (23.9mm) 1.1" (27.9mm)

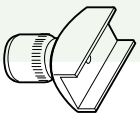
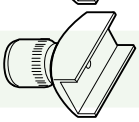
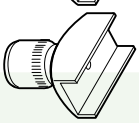
CROWN® Series Contact Surface Mount Tips



Part No.	Package	Tip Image	Width A	Length B
CT12	SOT-23		.07" (1.8mm)	.10" (2.5mm)
CT21	805		.09" (2.3mm)	.06" (1.5mm)
CT25	SOT-89		.10" (2.5mm)	.21" (5.3mm)
CT31	1206, 1210		.14" (3.5mm)	.07" (1.8mm)
CT42	1808, 1812		.19" (4.8mm)	.09" (2.3mm)
CT52	N/A		.20" (5.1mm)	.10" (2.5mm)
CT53	N/A		.23" (5.8mm)	.14" (3.5mm)

CROWN® Tunnel SMD Tips



CT110	SOIC-18		.38" (9.5mm)	.40" (10.2mm)
CT113	SOIC-20		.38" (9.5mm)	.52" (13.2mm)
CT116	SOIC-24		.38" (9.5mm)	.62" (15.7mm)
CT118	SOIC-28		.38" (9.5mm)	.72" (18.2mm)
CT227	N/A		.45" (11.4mm)	1.08" (27.5mm)
CT504	SOIC-8		.20" (5.1mm)	.18" (4.5mm)

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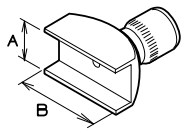
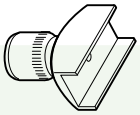
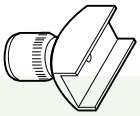
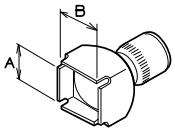
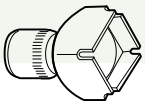
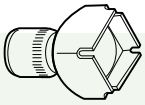
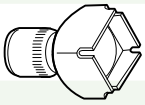
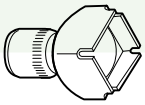
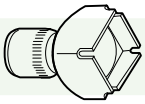
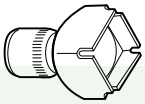
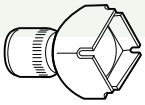
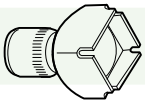
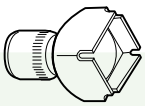
CROWN® Tunnel SMD Tips



Part No.	Package	Tip Image	Width A	Length B
CT509	N/A		.20" (5.1mm)	.35" (8.9mm)
CT510	SOIC-14, 16		.20" (5.1mm)	.41" (10.4mm)
CT711	SOMC-16		.27" (6.9mm)	.45" (11.4mm)
CT919	SOJ-28		.34" (8.6mm)	.74" (18.9mm)

CROWN® Quad SMD Tips



Part No.	Package	Tip Image	Width A	Length B
CT0808	N/A		.31" (7.9mm)	.31" (7.9mm)
CT0814	PLCC-18		.34" (8.6mm)	.54" (13.6mm)
CT1010	PLCC-20		.40" (10.2mm)	.40" (10.2mm)
CT1313	PLCC-28		.50" (12.7mm)	.50" (12.7mm)
CT1315	PLCC-32		.50" (12.7mm)	.60" (15.4mm)
CT1515	TQFP-100		.60" (15.2mm)	.60" (15.2mm)
CT1616	44-QFP		.64" (16.3mm)	.64" (16.3mm)
CT1723	64/80-QFP		.68" (17.3mm)	.92" (23.2mm)
CT1818	PLCC-44		.70" (17.8mm)	.70" (17.8mm)
CT2020	PLCC-52		.81" (20.6mm)	.81" (20.6mm)
CT2626	PLCC-68		1.0" (25.4mm)	1.0" (25.4mm)
CT3131	PLCC-84		1.20" (30.5mm)	1.20" (30.5mm)
CT3434	N/A		1.30" (33.5mm)	1.30" (33.5mm)

MULTI-TASKING

Stations pgs 49 - 52
Tips pgs 53 - 63

One day the telephone rang. A customer needed to integrate a combination of Edsyn tools for a unique site preparation problem. The result of that conversation became the TSX70.

This highly effective SMT reflow workstation has remarkable "on-demand" vacuum features while providing clean work areas in limited spaces for complex packages and fine pitch devices. As an added bonus, technicians with even novice skills can now consistently deliver superior professional results.

Being a leader means listening to customers and fulfilling their needs - time and time again. It is a pattern we have grown accustomed to since Edsyn patented its first tool nearly 50 years ago.

TSX70

Features

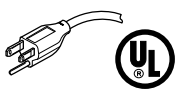
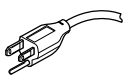
- This ground-breaking technology introduces the most effective and innovative site preparation system for BGA's, PLCC's, QFP's and other fine pitch devices using hot air reflow and desoldering functions from one handpiece
- Nitrogen capable to reduce oxidation and bridging
- Dual controls for hot gas and tip temperatures to produce even heating of board
- Recommended and utilized by major manufacturers
- International models available
- ESD safe
- 18 month warranty

Contents

TSX70	SMT reflow vacuum workstation includes TSX70-1 hand piece with TSX713 tip
SH232	Sponge holder with RS199 cleaning sponge

Accessory Kit

WT623	Tip wrench, dual open end, 1/4" & 3/4"
WT624	Tip wrench, dual open end, 1/4" & 5/16"
WP556	WIGAPRY® mini screwdriver and calibration aid tool
MS229	1 pc. mica sheet for HT500
AF629	1 pc. felt filter for AF110
AF625	1 pc. felt filter for HT500
AF624	1 pc. foam filter for AF110
CSX70	Maintenance tool with cleaning shaft
OL111	O-Ring lube for trigger housing in TSX70-1

Models & Specifications	TSX70	TSX70-230B	TSX70-230I
Power Requirements	120V, 60Hz	230V, 50Hz	230V, 50Hz
Power Rating	30W - 330W	39W - 330W	39W - 330W
Heater Rating (hot air)	24V, 45W	24V, 45W	24V, 45W
Heater Rating (desoldering)	24V, 70W	24V, 70W	24V, 70W
Plug	USA Standard 	British	USA Standard 
Weight	7.1 lbs (3.1 kg)	7.1 lbs (3.1 kg)	7.1 lbs (3.1 kg)
Overall Dimension	5.8"W x 10"H x 8.8"D (147 mm x 254 mm x 224 mm)		
Temperature Range	400°F - 800°F (205°C - 427°C)		
Temperature Regulation	±6°F (±3°C)		
Tip-to-Ground Voltage & Leakage/Resistance	< 2mV / < 2 ohms		

LONER® Multi-Tasking Station

1072

Features

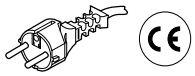
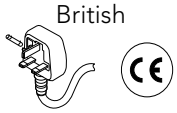
- Ultimate hot air and soldering rework center with dual accurate linear temperature controlled handpieces (requires shop air or nitrogen, 20 - 80 psi)
- Direct tip-to-heater configuration delivers more stable, accurate and reliable temperatures at the tip
- External calibration feature allows easy access for precision adjustments
- Innovative handle design makes tip change faster & easier
- Accepts a wide variety of tips and nozzles
- International models available
- ESD safe
- 18 month warranty

Contents

1072	Multi-tasking dual hot air and soldering station includes LT375 and LT428 tips
PD528	Tool pod for soldering tool
PD533	Tool pod for Hot air tool
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, LN230 sponge liner
PR570	Flow regulator and meter

Accessory Kit

WP556	WIGAPRY® mini screwdriver and calibration aid tool
WT620	Tip wrench, 1/4" socket
WT624	Tip wrench, dual open end, 1/4" & 5/16"
ST706	Tool to lift off SMD
RB641	SMD Shim blade replacement
WS630	SMD Pull wire replacement
AN112	Anti-Seize compound

Models & Specifications	1072	1072DX-230	1072DX-230B
Power Requirements	120V, 60Hz	230V, 50Hz	230V, 50Hz
Power Rating	30W - 440W	90W-215W	90W-215W
Heater Rating	120V, 95W	24V, 53W	24V, 53W
Plug	USA Standard	European 	British 
Weight	4.7 lbs (2.1 kg)	7.0 lbs (3.2 kg)	7.0 lbs (3.2 kg)
Overall Dimension	7.7"W x 9.9"H x 11.1"D (195 mm x 251 mm x 282 mm)		
Temperature Range	400°F-800°F (205°C - 427°C)		
Temperature Regulation	±6°F (±3°C)		
Tip-to-Ground Voltage & Leakage/Resistance	< 2mV / < 2 ohms		

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ZD905V

Features

- A simple, economical and easy soldering and desoldering rework center with dual independent temperature controlled handpieces (requires shop air, 60-90 psi)
- Delivers high performance in a small footprint
- External calibration feature allows easy access for precision adjustments
- Accepts a wide variety of tips
- International models available
- ESD safe
- 18 month warranty

Contents

ZD905V	Hot tip soldering and desoldering system includes:
- HT500	Hot tip desoldering hand tool with ZD13 tip
- LST11	Soldering tool with LT375 tip

Accessory Kit

WT623	Tip wrench, dual open end, 1/4" & 3/4"
WT619	Tip wrench for removing retaining sleeve
CS468	Tip cleaning shaft for desoldering tips
CS468-1	Tip cleaning shaft for small desoldering tips
AN112	Anti-Seize compound
OL111	O-Ring lube
MS229	1 pc. mica sheet for HT500
AF629	1 pc. felt filter for AF110
AF625	1 pc. felt filter for HT500
AF040	1 pc. foam filter for AF110
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Models & Specifications	ZD905V	ZD905V-230	ZD905V-230B
Power Requirements	120V, 60Hz	230V, 50Hz	230V, 50Hz
Power Rating	38W - 310W	38W - 310W	38W - 310W
Heater Rating (Hot tip desoldering hand tool)	24V, 70W	24V, 70W	24V, 70W
Heater Rating (Soldering tool)	24V, 53W	24V, 53W	24V, 53W
Plug	USA Standard	European	British
Weight	5.4 lbs (2.4 kg)	7.1 lbs (3.1 kg)	7.1 lbs (3.1 kg)
Overall Dimension	5.5"W x 9"H x 9.5"D (140 mm x 229 mm x 241 mm)		
Temperature Range	400°F - 800°F (205°C - 427°C)		
Temperature Regulation	±6°F (±3°C)		
Tip-to-Ground Voltage & Leakage/Resistance	< 2mV / < 2 ohms		

ZD906

Features

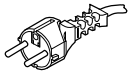
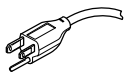
- The ideal rework center for technicians needing soldering, desoldering and hot air capabilities in one small unit (shop air required for 2 air inputs, 60-90 psi)
- Powerful heating elements deliver high performance and are well suited for multi-layer boards and thick heat-sinks
- External calibration feature allows easy access for precision adjustments
- International models available
- ESD safe
- 18 month warranty

Contents

ZD906	Shop air powered rework system includes:
- HT500	Hot tip desoldering hand tool with ZD13 tip
- FA069	Hot air tool with LT428 tip
- LST11	Soldering tool with LT375 tip

Accessory Kit

WT623	Tip wrench, dual open end, 1/4" & 3/4"
WT619	Tip wrench for retaining sleeve
WP556	WIGAPRY® mini screwdriver and calibration aid tool
WT620	Tip wrench, 1/4" socket
CS468	Tip cleaning shaft for desoldering tips
CS468-1	Tip cleaning shaft for small desoldering tips
AN122	Anti-Seize compound
OL111	O-Ring lube
MS229	1 pc. mica sheet for HT500
AF629	1 pc. felt filter for AF110
AF625	1 pc. felt filter for HT500
AF040	1 pc. foam filter for AF110

Models & Specifications	ZD906	ZD906-230	ZD906-230B	ZD906-230I
Power Requirements	120V, 60Hz	230V, 50/60Hz	230V, 50/60Hz	230V, 50/60Hz
Power Rating	38W - 380W	39W - 330W	39W - 330W	39W - 330W
Heater Rating (Hot tip desoldering hand tool)	24V, 70W	24V, 70W	24V, 70W	24V, 70W
Heater Rating (Soldering tool)	24V, 53W	24V, 53W	24V, 53W	24V, 53W
Heater Rating (SMD Hot air tool)	120V, 95W	230V, 95W	230V, 95W	230V, 95W
Plug	USA Standard	European 	British	USA Standard 
Weight	6.7 lbs (3 kg)	7.4 lbs (3.3 kg)	7.4 lbs (3.3 kg)	7.4 lbs (3.3 kg)
Overall Dimension	7.5"W x 9"H x 9.5"D (197 mm x 229 mm x 241 mm)			
Temperature Range	400°F - 800°F (205°C - 427°C)			
Temperature Regulation	±6°F (±3°C)			
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms			

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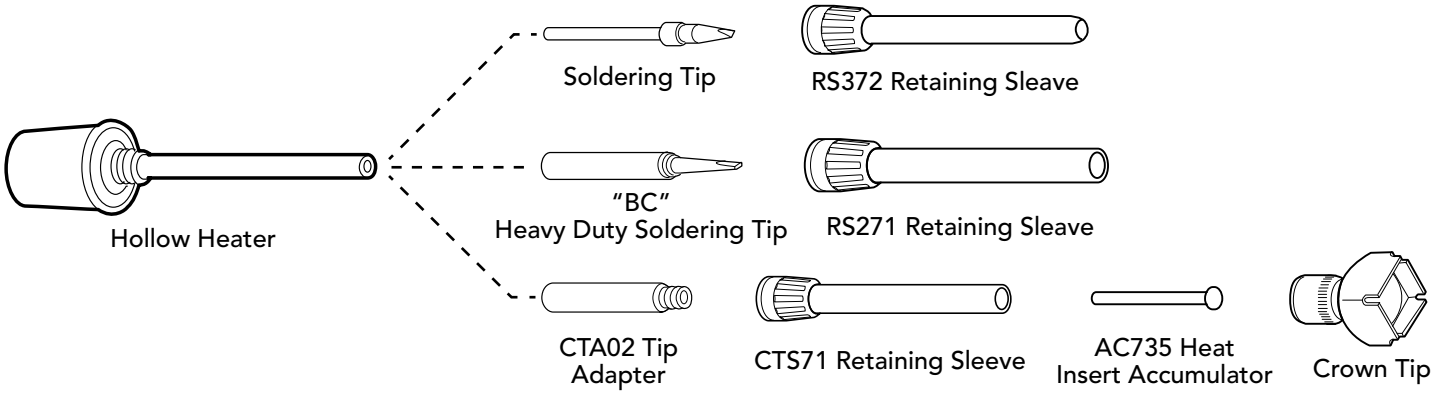
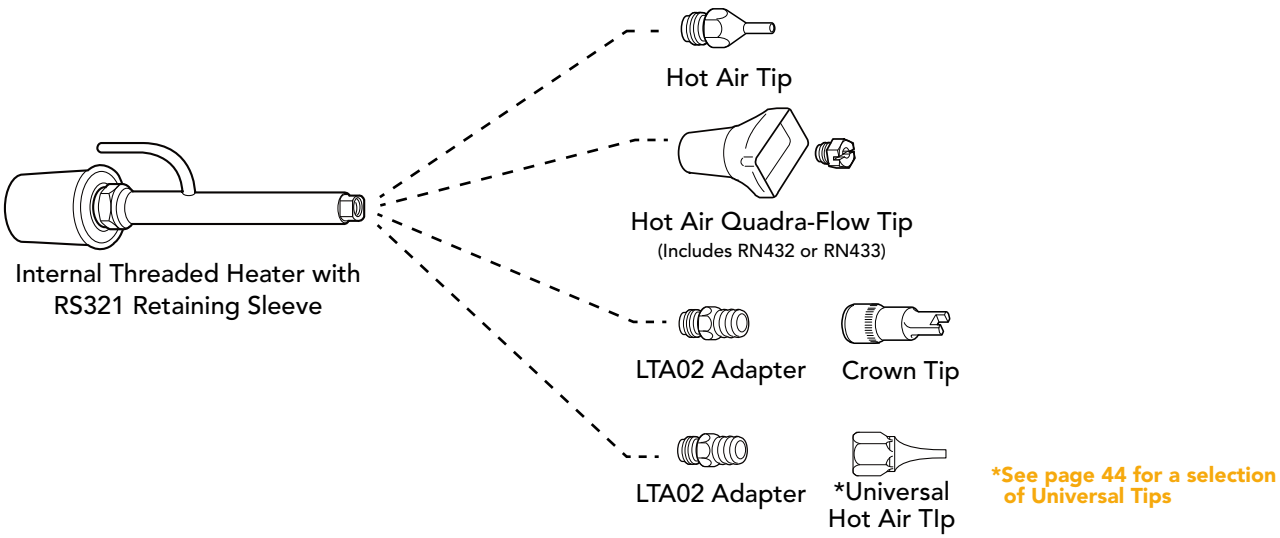
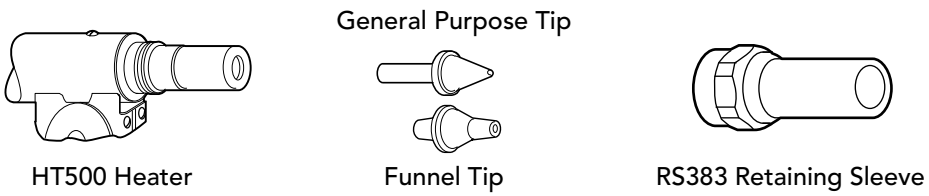
ZD906 Set Ups

ZD906 Shop Air Powered Rework Station





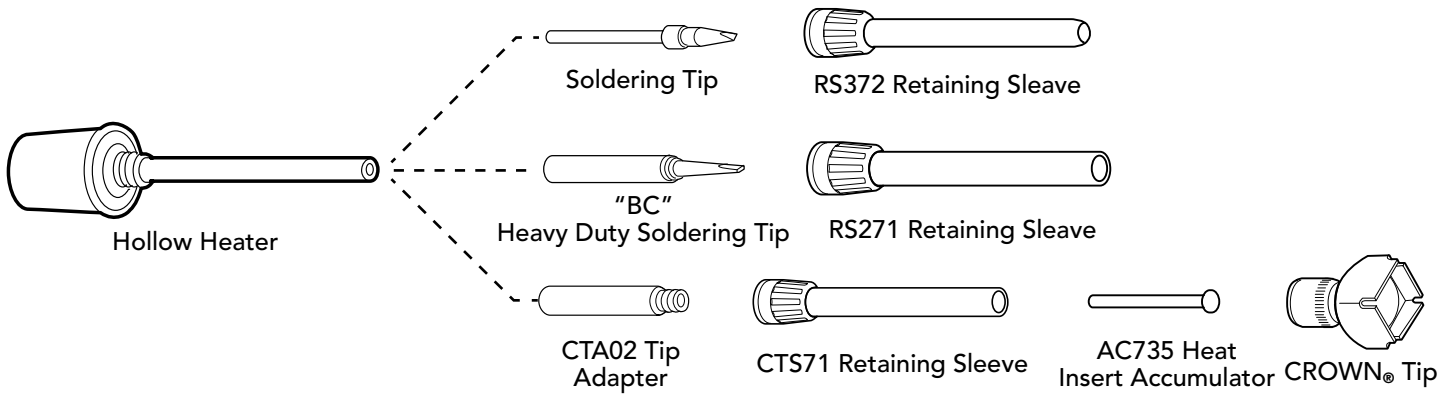
*See page 44 for a selection of Universal Tips

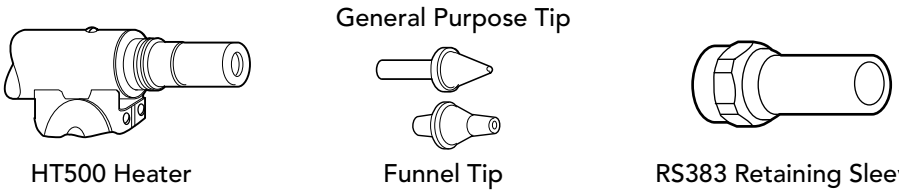


ZD905V & 1072 Multi-Tasking Station Tip Set ups

ZD905V Set Ups

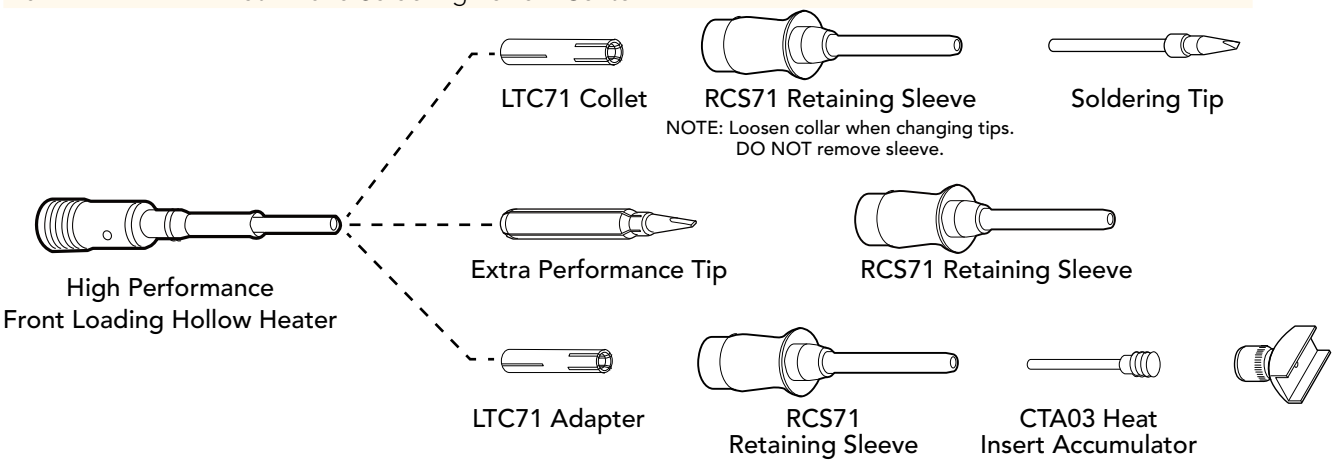
ZD905V Hot Tip Desoldering and Soldering Station

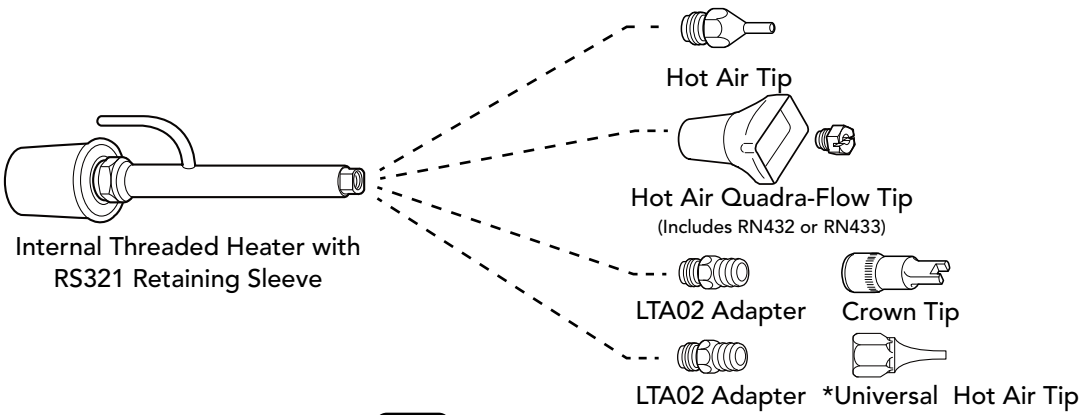




1072 Set Ups

1072 Hot Air and Soldering Rework Center





*See page 44 for a selection of Universal Tips

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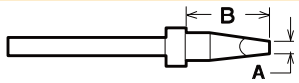
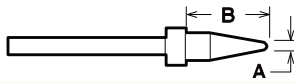
General Purpose Spade Tips



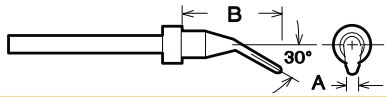
Part No.	Tip Image	Width A	Length B
LT375		.06" (1.5mm)	.48" (12.2mm)
LT376		.12" (3.0mm)	.48" (12.2mm)
LT394		.07" (1.8mm)	.93" (23.6mm)
LT395		.09" (2.3mm)	.74" (18.8mm)
LT431		.07" (1.8mm)	.74" (18.8mm)
LT444		.04" (1.0mm)	.78" (19.8mm)

General Purpose Conical Tips



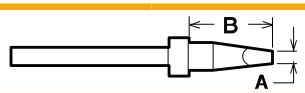
LT374		.03" (0.8mm)	.48" (12.2mm)
LT382		.02" (1.5mm)	.62" (15.8mm)
LT429		.02" (0.5mm)	.74" (18.8mm)

General Purpose Angled Conical Tip

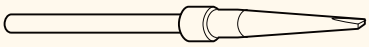
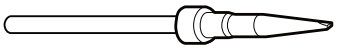
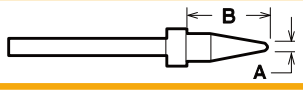
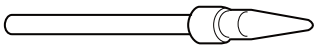
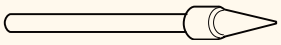
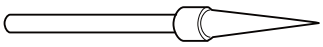
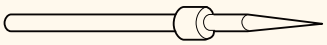
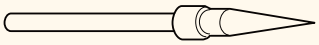
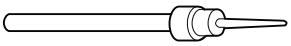
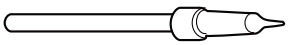
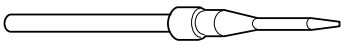
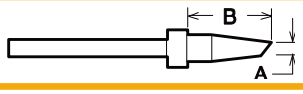
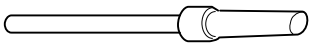
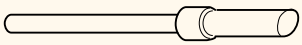
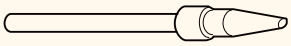
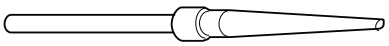
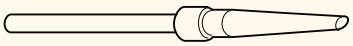
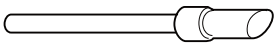
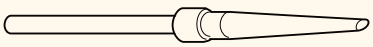
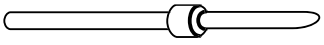
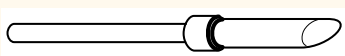


LT429-1		.02" (0.5mm)	.74" (18.8mm)

High Temperature Rated Spade Tips



LT371LF		.03″ (0.8mm)	.05″ (14.0mm)
LT375LF		.06" (1.5mm)	.48" (12.2mm)
LT376LF		.12" (3.0mm)	.48" (12.2mm)
LT394LF		.07" (1.8mm)	.93" (23.6mm)
LT395LF		.09" (2.3mm)	.74" (18.8mm)
LT424LF		.06" (1.5mm)	.74" (18.8mm)
LT425LF		.05" (1.3mm)	.93" (23.6mm)

Part No.	Tip Image	Width A	Length B
LT431LF		.07" (1.8mm)	.74" (18.8mm)
LT444LF		.04" (1.0mm)	.78" (9.8mm)
High Temperature Rated Conical Tips			
LT374LF		.03" (0.8mm)	.48" (12.2mm)
LT380LF		.02" (0.5mm)	.32" (8.1mm)
LT382LF		.02" (0.5mm)	.62" (15.8mm)
LT383LF		.02" (0.5mm)	.72" (18.3mm)
LT392LF		.01" (0.3mm)	1.13" (28.8mm)
LT429LF		.02" (0.5mm)	.74" (18.8mm)
LT439LF		.03" (0.8mm)	.50" (12.7mm)
LT446LF		.03" (0.8mm)	.48" (12.2mm)
LT603LF		.02" (0.5mm)	.69" (17.5mm)
High Temperature Rated Angle Face Tips			
LT298LF		.12" (3.1mm)	.59" (15.0mm)
LT299LF		.16" (4.0mm)	.59" (15.0mm)
LT373LF		.09" (2.3mm)	.59" (15.0mm)
LT387LF		.06" (1.5mm)	.48" (12.2mm)
LT393LF		.06" (1.5mm)	.94" (23.9mm)
LT398LF		.12" (3.0mm)	.59" (15.0mm)
LT399LF		.16" (4.0mm)	.59" (15.0mm)
LT430LF		.06" (1.5mm)	.74" (18.8mm)
LT433LF		.04" (1.2mm)	.69" (17.5mm)
LT443LF		.097" (2.5mm)	.69" (17.5mm)

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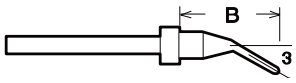
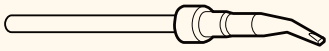
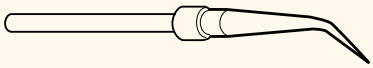
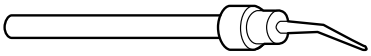
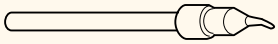
High Temperature Rated Angled Spade Tip

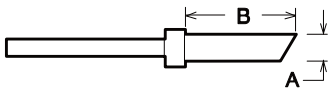


Part No.	Tip Image	Width A	Length B
LT444-1LF		.04" (1.0mm)	.78" (9.8mm)

High Temperature Rated Angled Conical Tips

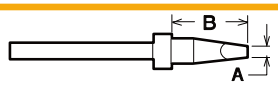
LT392-1LF		.01" (0.3mm)	1.13" (28.8mm)
LT439-1LF		.03" (0.8mm)	.50" (12.7mm)
LT602-1LF		.02" (0.5mm)	.44" (11.2mm)

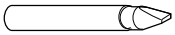
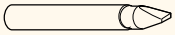
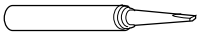
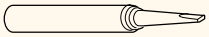
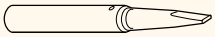
High Temperature Rated Mini Flow Rework Tips



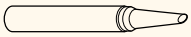
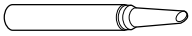
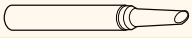
LT396LF		.13" (3.3mm)	.69" (17.5mm)

High Temperature Rated Heavy Duty Spade Tips

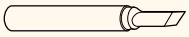


HS106BC		.18" (4.6mm)	.45" (11.4mm)
HS106BC-5		.058" x .297" notch .18" (4.6mm)	.45" (11.4mm)
LT336BC		.07" (1.8mm)	.74" (18.8mm)
LT337BC		.10" (2.5mm)	.74" (18.8mm)
LT338BC		.13" (3.3mm)	.74" (18.8mm)
LT441BC		.21" (5.3mm)	.94" (23.9mm)

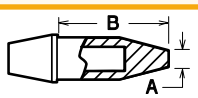
Heavy Duty Angle Face Tips

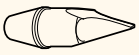
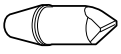
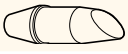
LT339BC		.09" (2.3mm)	.77" (19.6mm)
LT340BC		.12" (3.0mm)	.77" (19.6mm)
LT341BC		.16" (4.0mm)	.77" (19.6mm)

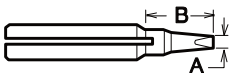
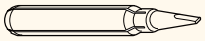
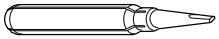
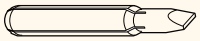
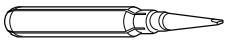
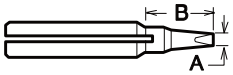
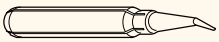
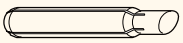
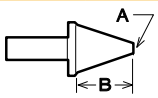
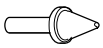
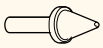
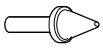
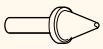
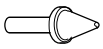
High Temperature Rated Heavy Duty SMD Knife Tip

LT570BC		.17" (4.3mm)	.68" (17.3mm)

Heavy Duty Jumbo Spade & Angle Tips



LT151B		.06" (1.5mm)	.1.13" (28.7mm)
LT152B		.32" (8.1mm)	.89" (22.6mm)
LT155B		.33" (8.4mm)	.97" (24.6mm)

Extra Performance Spade Tips			
Part No.	**Tip Image**	**Width A**	**Length B**
XP371		.03" (.80mm)	.60" (15.2mm)
XP375		.06" (1.5mm)	.60" (15.2mm)
XP376		.12" (3.0mm)	.60" (15.2mm)
XP395		.09" (2.3mm)	.60" (15.2mm)
XP441		.22" (5.6mm)	.60" (15.2mm)
XP444		.04" (1mm)	.60" (15.2mm)
Extra Performance Conical Tips			
XP374		.03" (.8mm)	.60" (15.2mm)
XP429		.02" (.5mm)	.77" (19.3mm)
Extra Performance High Temperature Rated Angle Face Tip			
XP399		.16 (4mm)	.60 (15.2mm)
High Temperature Rated Iron-Plated General Purpose Tips			
ZD12		.03" (0.8mm)	.50" (12.7mm)
ZD13		.04" (1.0mm)	.50" (12.7mm)
ZD14		.06" (1.5mm)	.50" (12.7mm)
ZD18		.07" (1.8mm)	.50" (12.7mm)
ZD19		.12" (3.0mm)	.50" (12.7mm)

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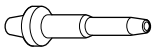
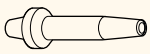
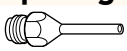
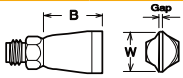
Iron-Plated Funnel Tips

Part No.	Tip Image	Width A	Length B
ZD107		.02" (10.5mm)	.48" (12.2mm)
ZD111		.03" (0.8mm)	1.22" (31.0mm)
ZD112		.03" (0.8mm)	.48" (12.2mm)
ZD113		.04" (1.0mm)	.48" (12.2mm)
ZD115		.07" (1.8mm)	1.22" (31mm)
ZD118		.07" (1.8mm)	.48" (12.2mm)

Single Nozzle Tips

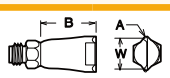
Part No.	Tip Image	Hole Dia. A	Length B
LT427		.02" (0.5mm)	.38" (95mm)
LT428		.06" (1.5mm)	.25" (6.4mm)
LT432		.04" (1.0mm)	.06" (1.5mm)
LT514		.10" (2.5mm)	.25" (6.4mm)

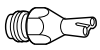
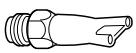
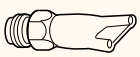
Fan Tips



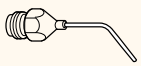
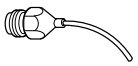
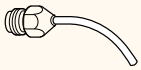
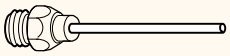
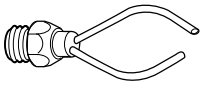
Part No.	Tip Image	Gap	Width W	Length B
LT426		.02" (0.5mm)	.30" (7.6mm)	.17" (4.3mm)
LT434		.02" (0.5mm)	.46" (11.7mm)	.23" (5.8mm)
LT435		.02" (0.5mm)	.59" (15.0mm)	.35" (8.9mm)
LT436		.02" (0.5mm)	.65" (16.5mm)	.43" (10.9mm)

Dual Flow Tips

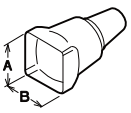


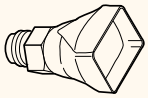
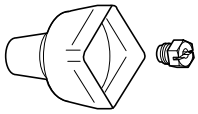
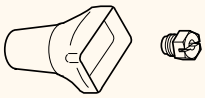
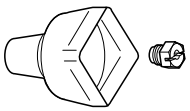
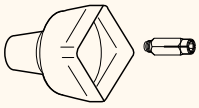
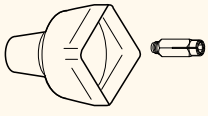
Part No.	Tip Image	Hole Dia. A	Width W	Length B
LT526		.03" (0.8mm)	.12" (3.0mm)	.30" (7.6mm)
LT534		.05" (1.3mm)	.20" (5.1mm)	.46" (11.7mm)
LT535		.05" (1.3mm)	.28" (7.1mm)	.59" (15.0mm)
LT536		.05" (1.3mm)	.35" (8.9.mm)	.65" (16.5mm)
LT537		.05" (1.3mm)	.44" (11.2mm)	.80" (20.4mm)

Curl/Bent Tips

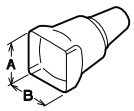
Part No.	Tip Image	Hole Dia.	Nozzle Length
LT510		.02" (0.5mm)	.65" (16.5mm)
LT511		.06" (1.5mm)	.65" (16.5mm)
LT512		.07" (1.8mm)	.90" (22.9mm)
LT513		.10" (2.5mm)	.90" (22.9mm)
LT571		.04" (1.0mm)	1.10" (27.9mm)
LT572		.04" (1.0mm)	MAX. GAP WIDTH 1.25" (31.8mm)

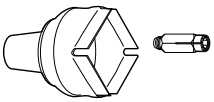
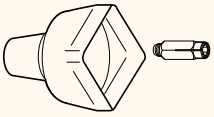
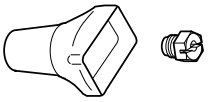
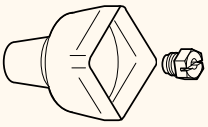
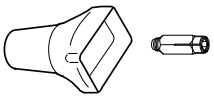
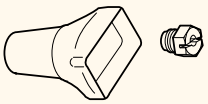
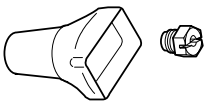
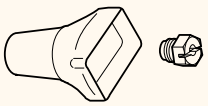
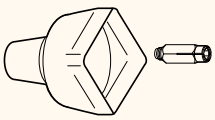
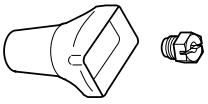
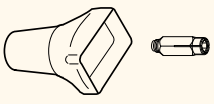
Quadra Flow Hot Air Tips



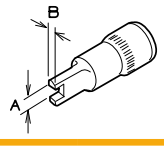
Part No.	Package	Tip Image	Width A	Length B
LT447	SO-8		.16" (4.0mm)	.20" (5.1mm)
LT448	SO-14		.21" (5.3mm)	.35" (8.9mm)
LT449	SO-16		.26" (6.6mm)	.41" (10.4mm)
LT450	SO-16L		.42" (10.7mm)	.43" (10.9mm)
LT451	SO-18L		.44" (11.2mm)	.48" (12.2mm)
LT452	SO-20L		.38" (9.5.mm)	.52" (13.2mm)
LT454	SO-28L		.43" (10.9mm)	.73" (18.6mm)
LT455	PLCC-20		.40" (10.2mm)	.40" (10.2mm)
LT456	PLCC-28		.50" (12.7mm)	.50" (12.7mm)
LT458	PLCC-44 LCCC-44		.70" (17.8mm)	.70" (17.8mm)
LT459	PLCC-52 QFP-100		.80" (20.3mm)	.80" (20.3mm)

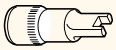
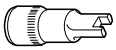
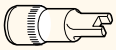
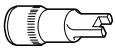
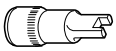
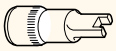
Quadra Flow Hot Air Tips



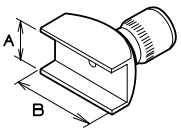
Part No.	Package	Tip Image	Width A	Length B
LT459-1			.80" (20.3mm)	.80" (20.3mm)
LT460	PLCC-68		1.0" (25.4mm)	1.0" (25.4mm)
LT462	PLCC-18		.34" (8.6mm)	.55" (14.0mm)
LT463	QFP-44		.60" (15.2mm)	.60" (15.2mm)
LT468	QFP-100		.66" (16.8mm)	.90" (22.9mm)
LT477			.75" (19mm)	1.0" (25.4mm)
LT478	LCCC-18R		.32" (8.1mm)	.45" (11.4mm)
LT482	LCCC-32R		.47" (11.9mm)	.58" (14.7mm)
LT484	SOJ-20		.40" (10.2mm)	.79" (20.1mm)
LT485			52" (13.2mm)	.64" (16.3mm)
LT486	PLCC-28R		.40" (10.2mm)	.60" (15.2mm)
LT488	LCCC-84 QFP-144		1.17" (29.7mm)	1.17" (29.7mm)
LT493	SOJ-32		.48" (12.2mm)	.85" (21.6mm)
LT494	SOJ-40		.45" (11.4mm)	1.05" (26.7mm)
LT1629 LT1824 LT2228	SOP-44 QFP-100		.63" (16.0mm) .70" (17.8mm) .85" (21.6mm)	1.14" (29.0mm) .94" (23.9mm) 1.1" (27.9mm)

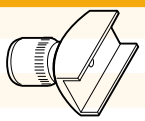
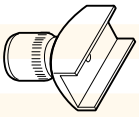
CROWN® Contact Dual Surface Mount Tips



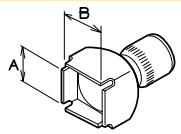
Part No.	Package	Tip Image	Width A	Length B
CT12	SOT-23		.07" (1.8mm)	.10" (2.5mm)
CT21	805		.09" (2.3mm)	.06" (1.5mm)
CT25	SOT-89		.10" (2.5mm)	.21" (5.3mm)
CT31	1206, 1210		.14" (3.5mm)	.07" (1.8mm)
CT42	1808, 1812		.19" (4.8mm)	.09" (2.3mm)
CT52	N/A		.20" (5.1mm)	.10" (2.5mm)
CT53	N/A		.23" (5.8mm)	.14" (3.5mm)

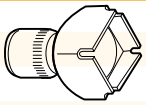
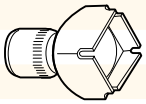
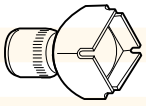
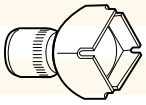
CROWN® Contact Tunnel SMD Tips



CT110	SOIC-18		.38" (9.5mm)	.40" (10.2mm)
CT113	SOIC-20		.38" (9.5mm)	.52" (13.2mm)
CT116	SOIC-24		.38" (9.5mm)	.62" (15.7mm)
CT118	SOIC-28		.38" (9.5mm)	.72" (18.2mm)
CT227	N/A		.45" (11.4mm)	1.08" (27.5mm)
CT504	SOIC-8		.20" (5.1mm)	.18" (4.5mm)
CT509	N/A		.20" (5.1mm)	.35" (8.9mm)
CT510	SOIC-14, 16		.20" (5.1mm)	.41" (10.4mm)
CT711	SOMC-16		.27" (6.9mm)	.45" (11.4mm)
CT919	SOJ-28		.34" (8.6mm)	.74" (18.9mm)

CROWN® Contact Quad SMD Tips



CT0808	N/A		.31" (7.9mm)	.31" (7.9mm)
CT0814	PLCC-18		.34" (8.6mm)	.54" (13.6mm)
CT1010	PLCC-20		.40" (10.2mm)	.40" (10.2mm)
CT1313	PLCC-28		.50" (12.7mm)	.50" (12.7mm)
CT1315	PLCC-32		.50" (12.7mm)	.60" (15.2mm)
CT1515	TQFP-100		.60" (15.2mm)	.60" (15.2mm)
CT1616	44-QFP		.64" (16.3mm)	.64" (16.3mm)
CT1723	64/80-QFP		.68" (17.3mm)	.92" (23.2mm)
CT1818	PLCC-44		.70" (17.8mm)	.70" (17.8mm)
CT2020	PLCC-52		.81" (20.6mm)	.81" (20.6mm)
CT2626	PLCC-68		1.0" (25.4mm)	1.0" (25.4mm)
CT3131	PLCC-84		1.20" (30.5mm)	1.20" (30.5mm)
CT3434	N/A		1.30" (33.5mm)	1.30" (33.5mm)

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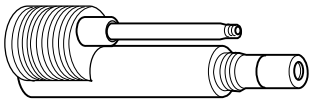
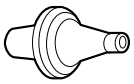
TSX70 SMT Reflow Vacuum Work Station Set Up

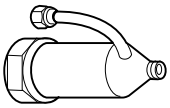
Part No.	Description
TSX70	SMT Reflow Vacuum Workstation



TSX70 Hollow Heater

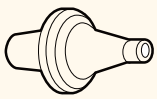
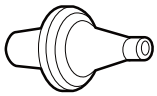
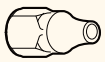
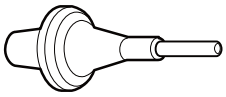
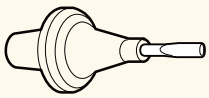
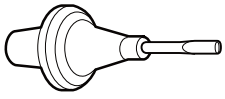


Reflow Vacuum Tip



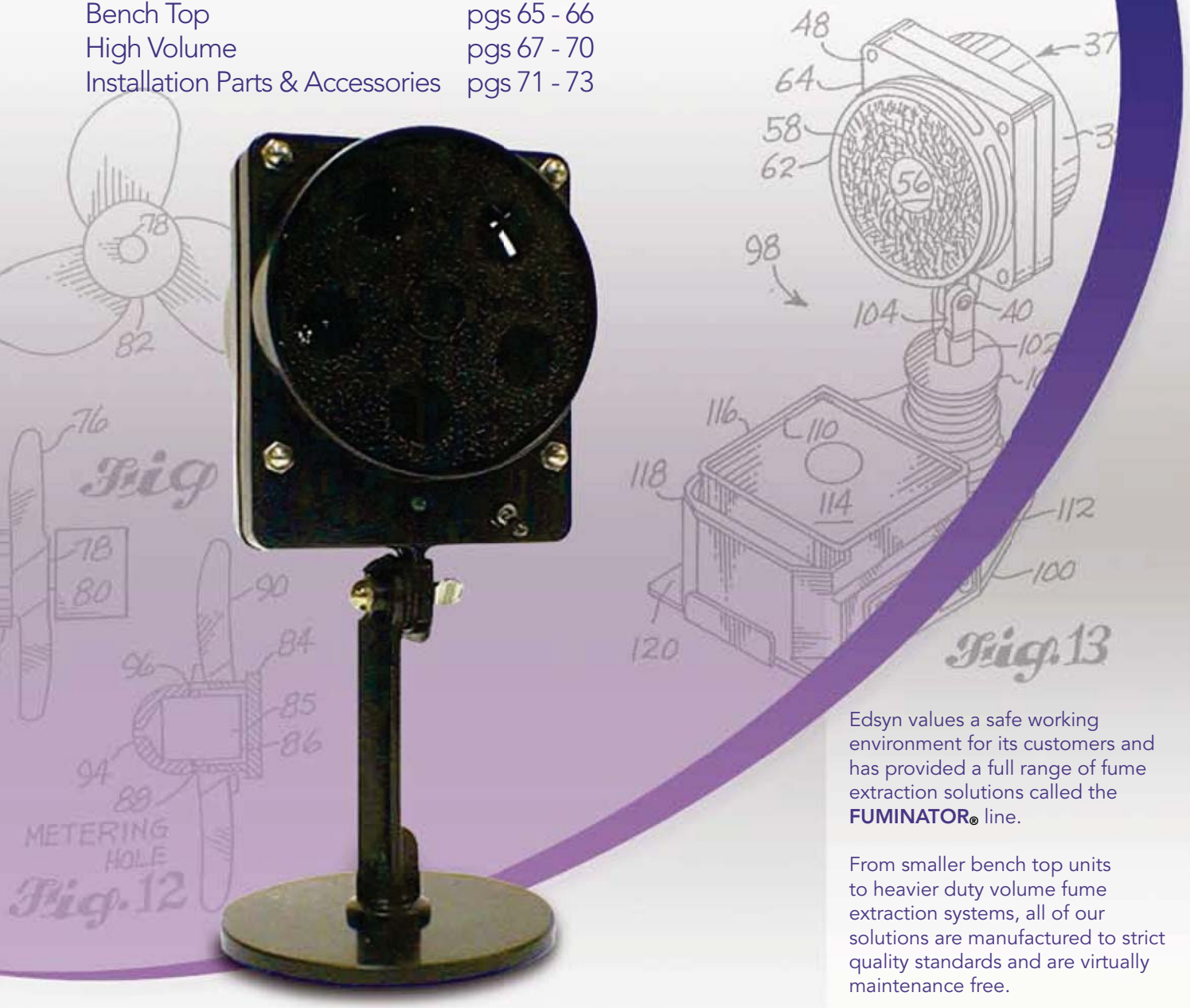
RSX72 Retaining Sleeve

Reflow Vacuum Tips

Part No.	Tip Image	Hole Dia. A	Length B
TSX713		.05" (1.3mm)	.55" (14.0mm)
TSX713C		.05" (1.3mm)	.55" (14.0mm)
TSX715 *to be used with TSX716		.09" (2.3mm)	.43" (10.9mm)
TSX716		.03" (0.8mm)	.80" (20.3mm)
TSX717		.011" (.28mm)	.63" (16.1mm)
TSX718		.03" (0.8mm)	.80" (20.3mm)

FUME EXTRACTION

Bench Top pgs 65 - 66
High Volume pgs 67 - 70
Installation Parts & Accessories pgs 71 - 73



Edsyn values a safe working environment for its customers and has provided a full range of fume extraction solutions called the **FUMINATOR®** line.

From smaller bench top units to heavier duty volume fume extraction systems, all of our solutions are manufactured to strict quality standards and are virtually maintenance free.

A variety of arms, hoods, nozzles and funnels are also provided that will accommodate almost any requirement and industry need. Installation kits are also available to make installing your own system fast and easy.

EDSYN® ...bringing innovative ideas to life

FXF11/FXF12

FXF11

*Solder spool not included

FXF12

*Solder spool not included

Features

- Powerful bench top fume extraction system provides ultra-quiet and compact two stage filtration
- Proprietary FUMINATOR® rotating filter system draws fume away from operator and provides filtration 8 times better than a stationary filter
- Dual adjustment arm for more targeted fume removal
- Quick and easy filter replacement
- Internal safety grills
- ESD safe
- 90 day warranty (does not include filters)

FXF11 Contents

FXF10	FUMINATOR® bench top fume extractor fan
SR538	115-120 VAC wall transformer
SR542	Stand with solder peg (solder spool not included)

FXF12 Contents

FXF10	FUMINATOR® bench top fume extractor fan
SR538	115-120 VAC wall transformer
SR541	Stand with solder peg and SH232 sponge holder (solder spool not included)

Replacement Filters

XF01	Filter set contains one each rotating front filter and charcoal impregnated stationary rear filter
XF02	Primary rotating filter (set of 5)
XF03	Charcoal impregnated stationary rear filter (set of 5)

Models & Specifications	FXF11 FXF12	FXF11-230B FXF12-230B	FXF11-230 FXF12-230
Power Requirements	12VDC	12VDC	12VDC
Plug/Power Supply	USA Standard	British	European
Weight	FXF11 models - 1.09 lbs (.49 kg) FXF12 models - 1.28 lbs (.58 kg)		
Dimensions	5.5" "W x 12"H x 5.5"D 102mm x 229mm x 102mm		
Max Airflow	49 cfm		
Noise Level	53 db		

FXF14/FXF14W

FXF14

FXF14W

Features

- Powerful bench top fume extraction system provides ultra-quiet and compact two stage filtration
- Proprietary FUMINATOR® rotating filter system draws fume away from operator and provides filtration 8 times better than a stationary filter
- Single Adjustable arm to almost any working angle (up to 90°)
- Quick and easy filter replacement
- Internal safety grills
- ESD safe
- 90 day warranty (does not include filters)

FXF15 Contents

FXF14	Black FUMINATOR® bench top fume extractor fan
SR538	115-120 VAC wall transformer

FXF14W Contents

FXF14W	White FUMINATOR® bench top fume extractor fan
SR538	115-120 VAC wall transformer

Replacement Filters

XF01	Filter set contains one each rotating front filter and charcoal impregnated stationary rear filter
XF02	Primary rotating filter (set of 5)
XF03	Charcoal impregnated stationary rear filter (set of 5)

Models & Specifications	FXF14 FXF14W	FXF14-230B FXF14W-230B	FXF14-230 FXF14W-230
Power Requirements	12VDC	12VDC	12VDC
Plug/Power Supply	USA Standard	British	European
Weight	1.09 lbs (.49 kg)		
Dimensions	5.5"W x 12"H x 5.5"D 102mm x 229mm x 102mm		
Max Airflow	49 cfm		
Noise Level	53 db		

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FX225

Features

- Compact, economic and hassle free fume extraction for 2 operators includes powerful self-contained unit with two 50mm arms attached
- High efficiency HEPA filtration 99.997% effective to 0.3 microns
- Easy installation
- Optional gas filtration available
- Thermal trip circuit
- Quick and easy filter change
- 12 month warranty

Specifications for Model FX225

Power Requirements	110/115V 60HZ
Airflow	120 cfm (filters installed)
Motor	Maintenance-free brushless
Noise level	55 dba
Overall Dimension	10H"x10D"x17W" 480mm x 260mm x 280mm
Weight	22 lbs/10 kg
Duct size	50mm
Max number of attach-ments	2

Contents

FX225-1	FUMINATOR® volume fume extraction unit
FXS5015-L	Extra long 50mm arms with nozzles (includes 2)
XF2501-1	Pre-filter (1 each)
XF2502	Combined filter

Options Available

FX225-230	FUMINATOR® volume fume extraction unit in 230 Volts
XF2503	Gas filter
FXS5016-L	Extra long 50mm arm with funnel attachment
FXT100	50mm fume extraction table top attachment (13" x 11")

FX300

Features

- Entry level fume extraction system offers outstanding value for two operator applications
- Quiet operation, small footprint and portability
- Comes standard with a pre-filter and a pleated main filter providing 95% filtration of particulate down to 0.5 microns
- HEPA and gas filters sold separately
- Easy filter change
- Quick and easy set up
- High efficiency (HEPA) and gas filters available
- 12 month warranty

Specifications for Model FX300

Power Requirements	115V 60Hz
Air Flow	Free blowing 280 cfm (188 cfm with filters installed)
Exhauster	Centrifugal fan with maintenance free brushless motor
Noise Level	Below 58 db
Overall Dimension	17"H x 13"W x 12"D 432mm x 330mm x 305m
Weight	33 lbs (15 kg)

Contents

FX300	FUMINATOR® entry level volume fume extractor
XF300	Filter pack includes pre-filter & foam filter

Options Available

FX300-230	FUMINATOR® entry level volume fume extractor in 230 Volts
XF2501	Pre-filter
XF2502	Combined filter
XF2503	Gas filter
FXS7518	ESD safe arm with funnel attachment

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FX250

Features

- Quiet operation
- Small footprint
- Multi-user applications (up to 4 users)
- Powerful, self-contained vacuum
- Easy installation
- HEPA filtration 99.997% effective to 0.3 microns
- Filter change indicator gauge
- Thermal trip circuit
- Quick and easy filter change
- Economical
- 12 month warranty

Specifications for Model FX250	
Power Requirements	110/115V 60HZ
Airflow	100 max cfm (filters installed)
Noise level	Below 52 dba
Overall Dimension	18½"H x 12"W x 12"D 470mm x 305mm x 305mm
Weight	51 lbs (23.2 kg)

Contents

FX250	FUMINATOR® high volume fume extractor unit
XF2501-1	Pre-filter (set of 1)
XF2502	Combined filter

Options Available

XF2503	Gas filter

FX600

Features

- Quiet operation
- Multi-user applications (up to 10 users)
- Portable
- Easy filter change
- Quick and easy set up
- Cost effective
- Outstanding value
- HEPA filtration 99.997% effective to 0.3 microns
- 12 month warranty

Specifications for Model FX600	
Power Requirements	110/115V 60HZ
Air Flow	320 cfm (filters installed)
Noise Level	Below 45db
Overall Dimension	25"H x 16"W x 20"D 635mm x 406mm x 508mm
Weight	98 lbs (45 kg)

Contents

FX600	FUMINATOR® high volume fume extractor unit
XF600-PF	Filter pack includes pre-filter
XF600-CF	Combined filter

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Part #	Image	Description	FX225	FX250	FX300	FX600
FXC501		50mm Clear Cowl Accessory - includes 6 feet flex-hose and 2 clamps	X	X	X	X
FXC502		50mm Black ESD Safe Cowl Accessory - includes 6 feet flex-hose and 2 clamps	X	X	X	X
FXC751		75mm Clear Cowl Accessory - includes 6 feet flex-hose and 2 clamps		X	X	X
FXC752		75mm Black ESD Safe Cowl Accessory - includes 6 feet flex-hose and 2 clamps		X	X	X
FXI300-4X		Installation Kit comes with: • 1 pc. replacement lid with 8 pcs 50mm inlets • 4 pcs. table bracket with flush seal system • 4 pcs. balancing valve • 10 meters of 50mm flex hose and 8 cinch clips)			X	
FXI300-4N		Installation Kit comes with: • 1 pc. replacement lid with 8 pcs. 50mm inlets • 4 pcs. table bracket with flush seal system • 4 pcs. balancing valve • 10 meters of 50mm flex hose and 8 cinch clips • 4 pcs. FXS5015 50mm arms with nozzle attachments			X	
FXI300-4F		Installation Kit comes with: • 1 pc. replacement lid with 8 pcs. 50mm inlets • 4 pcs. table bracket with flush seal system • 4 pcs. balancing valve • 10 meters of 50mm flex hose and 8 cinch clips • 4 pcs. FXS5016 50mm arms with funnel attachments			X	

Part #	Image	Description	FX225	FX250	FX300	FX600
FXM5002		50mm Flex Tubing		X	X	X
FXM7502		75mm Flex Tubing		X	X	X
FXM7513		75mm Cinch Clips		X	X	X
FXM5013		50mm Cinch Clips		X	X	X
FXM7503		75mm T Fitting		X	X	X
FXM7511		75/50mm Reducer		X	X	X
FXM7516		75mm Y Fitting		X	X	X
FXM7517		75/50mm Reducer with Balancing Valve		X	X	X
FXS5008		Flush Seal System	X	X	X	X
FXS5015		50mm Arm with Nozzle Length: 34 inches (.86 meters)	X	X	X	X
FXS5016		50mm Arm with Funnel Length: 34 inches (.86 meters)	X	X	X	X

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Part #	Image	Description	FX225	FX250	FX300	FX600
FXS5017		50mm Arm with Fan Nozzle Length: 34 inches (.86 meters)	X	X	X	X
FXS7510		75mm Table Bracket		X	X	X
FXS7516		75mm Arm with Table Bracket Length: 32 inches (.81 meters)		X	X	X
FXS7518		75mm Arm with Funnel Length: 42 inches (1.07 meters)		X	X	X
FXS5015-L		Extra long 50mm arm with Nozzle Length: 46 inches (1.17 meters)	X			
FXS5016-L		Extra long 50mm arm with Funnel Length: 46 inches (1.17 meters)	X			
FXT100		Downdraft Table	X	X	X	X
FXT200		Downdraft Table		X	X	X
FXT300		Downdraft Table		X	X	X

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ACCESSORIES

Production Aids pgs 75 - 77
Desoldering Braids pg 78
Pick Up Tools & Needles pgs 79 - 81

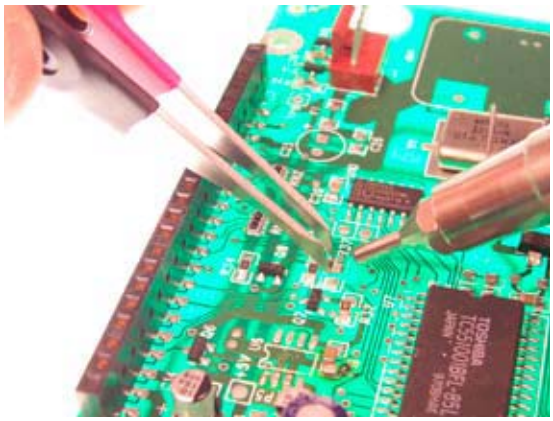
Note: This section is limited. For a complete list ask for Edsyn's Hand Tools Catalog solely dedicated to production aids and accessories.

Edsyn is proud to present a new line of accessories and production aids specifically designed to complement our current line of soldering, desoldering and SMT stations.

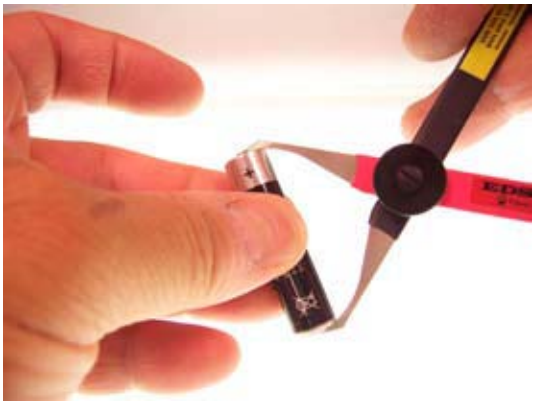
In the following pages, you will discover a wide variety of hand tools and production aids that offer new techniques for most any assembly and rework requirement. You are sure to find the perfect tool for a perfect job at any budget.

We make it our aim to have all of these tools in stock and ready to ship. Can't find the tool you're looking for in these pages? Call us for a custom made solution and let us bring our innovative ideas to life for you.

EZP01 *New Technology*



In & Out of Circuit Readings
There may be a need to measure a drop across the component and check the value outside the circuit. You can do this without letting go and using hot air.



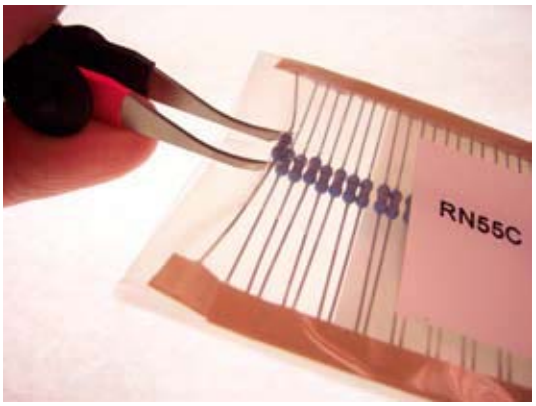
Scissor Configuration
Putting the red blade on top of the black blade and securing it with the spacing adjuster you have a scissor action. This is perfect when you have a greater span to measure

Features

- All-in-one test probe and tweezer solution
- 301 stainless steel construction
- Side stacking banana jacks
- Flexible boot to reduce wire strand fatigue
- Lightweight 24 gauge stranded wire
- Configurable spacing adjuster to 5/8"
- Surface ground dual pickup points
- Separates and can be used as regular probes
- Grabs small components or larger items with complete stability
- Ability to hold parts from the inside or outside
- Adjustable scissor configuration allows user to probe with scissor motion for large spans

Contents

EZP01	Easy probe tweezers (does not come with multi-meter)



Part Inspection Inside Packaging
To verify the values of components you can pierce through the packaging to get a reading without having to break open the packaging. Some metal film resistor body color changes the band color.

Note: This section is limited. For a complete list ask for Edsyn's Hand Tools Catalog solely dedicated to production aids and accessories.

CT-1

- CROWN® lead-free tip tinner and cleaner to maintain your Edsyn CROWN® tips or any heavy duty tips (1.5 oz. or 42.5g)

WP286

- WIGAPRY® desoldering aid
- Use to straighten pins or leads and remove circuit devices

WP556

- WIGAPRY® mini screwdriver and calibration aid tool

ST800

- SMD helper helps remove surface mount devices while using soldering or hot air tools

ST706

- SMD helper helps lift and remove surface mount devices while using hot air tools (.002 shim, .238 width)

LT-1

- LONER® lead -free tip tinner and cleaner to maintain your Edsyn LONER® soldering tips (.5 oz or 14.2g)

RB641

- SMD shim blade replacement with static-safe spool holder to be used with ST706 or ST800 SMD helpers

WS630

- SMD pull wire replacement and static-safe spool holder to be used with ST706 or ST800 SMD helpers [Dia: .01 in. (.25 mm) L: 10 ft (3.05 m)]

TC383

- K-Type thermocouple and subminiature connector assembly with ZD13 desoldering tip and RS383 retaining sleeve attached (use as a calibration aid with MS412 temperature measuring system)

MS412

- Compact digital meter system suitable for measuring and calibrating soldering or desoldering tip temperatures. Displays in C° and F°.

WT618

- Dual ended wrench for removing hot air tips (set of 2)

WT619

- Tip wrench for removing desoldering tips using RS383 retaining sleeve (comes with UC274 clamp for attaching to station for easy access)

WT620

- Socket wrench for removing smaller hot air tips that use RN432 and RN433 retaining nuts

OL111

- O-Ring lube for lubrication and longer tool life

Note: This section is limited. For a complete list ask for Edsyn's Hand Tools Catalog solely dedicated to production aids and accessories.

DS299

- KLATCH® dip squeezers for grabbing or removing circuit devices comes with RS190 sponge and AF039 foam for cleaning and scrubbing

EA439-C

- Dry soldering tip cleaner and stand comes with EA439-1 replacement metallic tip cleaning element

ST707

- Soldering tool maintenance and cleaning brush

ST707-1

- Replacement stainless steel brush for ST707

TH101

- Tip organizer and holder with dovetail slide mount for easy attachment to your station comes with TH100 tip organizer (holds 3 heavy duty tips and 4 standard tips)

SD300

- Solder spool holder with dovetail slide mount for easy attachment to your station (solder not included)

SD302

- Solder spool holder and tip organizer comes with TH100 tip organizer and dovetail slide mount for easy attachment to your station (solder & tips not included)

SL287LF

- Static-Safe solder spool holder with self-adhesive bottom for lead-free solder (solder not included)

SL287LS

- Static-Safe solder spool holder with self-adhesive bottom (solder not included)

AN122

- High heat anti-seize syringe dispenser (2.5 cc/2.4 ml/2.7 g)

AN112

- Anti-Seize compound prevents seizure from 65°F up to 2000°F (2cc)

CS468

- Tip cleaning shaft for hot tip desoldering tips [Shaft Dia: .05 in. (1.27 mm) L: 1.73 in. (43.4 mm)]

CS468-1

- Tip cleaning shaft for hot tip desoldering tips [Shaft Dia: .025 in. (.635 mm) L: 1.73 in. (43.9 mm)]

CS468-2

- Tip cleaning shaft for hot tip desoldering tips [Shaft Dia: .01 in. (.25 mm) L: 1.73 in. (43.9 mm)]

CSX70

- Maintenance tool with cleaning shaft for all versions of model TSX70 [Shaft Dia: .22 in. (5.6 mm) L: 3.38 in. (85.9 mm)]

Note: This section is limited. For a complete list ask for Edsyn's Hand Tools Catalog solely dedicated to production aids and accessories.

SOLDASIP® Desoldering Braids

Part #	Description
No Clean SOLDASIP® Desoldering Braids	
SW081	*Size #1* - White desolder braid .035 in. x 5 ft. (.9mm x 1.5mm) comes with static-safe bobbin
SW081-10	*Size #1* - White desolder braid .035 in. x 10 ft. (.9mm x 3mm) comes with static-safe bobbin
SW082	*Size #2* - Yellow desolder braid .055 in. x 5 ft. (1.4mm x 1.5mm) comes with static-safe bobbin
SW082-10	*Size #2* - Yellow desolder braid .035 in. x 10 ft. (1.4mm x 3mm) comes with static-safe bobbin
SW083	*Size #3* - Green desolder braid .075 in. x 5 ft. (1.9mm x 1.5mm) comes with static-safe bobbin
SW083-10	*Size #3* - Green desolder braid .075 in. x 10 ft. (1.9mm x 3mm) comes with static-safe bobbin
SW084	*Size #4* - Blue desolder braid .098 in. x 5 ft. (2.5mm x 1.5mm) comes with static-safe bobbin
SW084-10	*Size #4* - Blue desolder braid .098 in. x 10 ft. (2.5mm x 3mm) comes with static-safe bobbin
SW085	*Size #5* - Brown desolder braid .13 in. x 5 ft. (3.3mm x 1.5mm) comes with static-safe bobbin
SW085-10	*Size #5* - Brown desolder braid .13 in. x 10 ft. (3.3mm x 3mm) comes with static-safe bobbin
SW086	*Size #6* - Red desolder braid .19 in. x 5 ft. (4.9mm x 1.5mm) comes with static-safe bobbin
Rosin SOLDASIP® Desoldering Braids	
SW091	*Size #1* - White desolder braid .035 in. x 5 ft. (.9mm x 1.5mm) comes with static-safe bobbin
SW091-10	*Size #1* - White desolder braid .035 in. x 10 ft. (.9mm x 3mm) comes with static-safe bobbin
SW092	*Size #2* - Yellow desolder braid .055 in. x 5 ft. (1.4mm x 1.5mm) comes with static-safe bobbin
SW092-10	*Size #2* - Yellow desolder braid .035 in. x 10 ft. (1.4mm x 3mm) comes with static-safe bobbin
SW093	*Size #3* - Green desolder braid .075 in. x 5 ft. (1.9mm x 1.5mm) comes with static-safe bobbin
SW093-10	*Size #3* - Green desolder braid .075 in. x 10 ft. (1.9mm x 3mm) comes with static-safe bobbin
SW094	*Size #4* - Blue desolder braid .098 in. x 5 ft. (2.5mm x 1.5mm) comes with static-safe bobbin
SW094-10	*Size #4* - Blue desolder braid .098 in. x 10 ft. (2.5mm x 3mm) comes with static-safe bobbin
SW095	*Size #5* - Brown desolder braid .13 in. x 5 ft. (3.3mm x 1.5mm) comes with static-safe bobbin
SW095-10	*Size #5* - Brown desolder braid .13 in. x 10 ft. (3.3mm x 3mm) comes with static-safe bobbin
SW096	*Size #6* - Red desolder braid .19 in. x 5 ft. (4.9mm x 1.5mm) comes with static-safe bobbin

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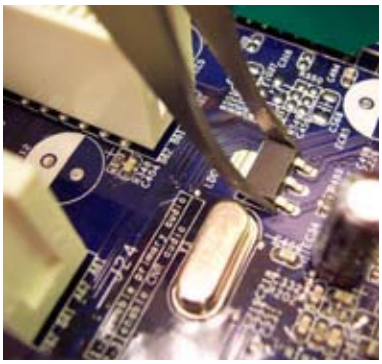
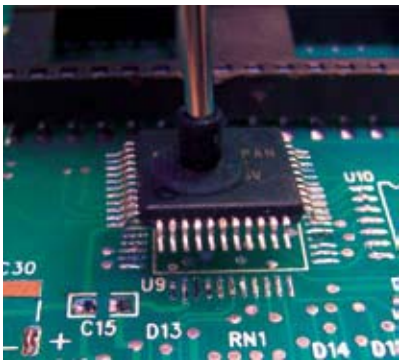
LP21 *New Technology*

- Dual ended portable vacuum lifter & retractable tweezer port (includes tweezers)
- Lifts devices using vacuum or tweezers
- Wet/dry syringe capabilities for vacuum pickup and blowing or for injecting, spraying, or extracting liquids





Dual Action Technology
LP21 picks up components using retractable tweezers or vacuum to lift more sensitive devices

VA175 *New Technology*

- Air & Vacuum Pick Up System requires 60-90 psi. Uses vacuum or positive air pressure to create a lifting action for sensitive parts handling and cooling at the same time. Accepts a wide variety of suction cups and needle sizes (includes LP252 handpiece).

VA251

- Vacuum Pick Up System allows users to achieve maximum performance in a self-contained unit . Ultra light weight hand piece accepts a wide variety of suction cups and needle sizes (includes LP265 handpiece).

LP20

- This is the smallest addition to our line of portable lifting tools. Features a small yet powerful vacuum pick up system with tweezer like handling for compact areas. Also ESD safe.

LP200

- Our most popular portable lifting kit. Comes standard with 3 different needles. A small and lightweight tool with single sided vacuum bar and pocket clip for portability. Also ESD safe.

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Pick Up Tool Needles and Suction Cups

Part #	Image	Description	LP20	LP200	VA175	VA251
Standard Purpose Needles						
LN250		Small Angled Lifting Needle with SP125 1/8" Suction Cup	X	X	X	X
LN251		Small Straight Lifting Needle with SP125 1/8" Suction Cup	X	X	X	X
LN260		Med. Angled Lifting Needle with SP250 1/4" Suction Cup	X	X	X	X
LN261		Med. Straight Lifting Needle with SP250 1/4" Suction Cup	X	X	X	X
LN270		Large Angled Lifting Needle with SP375 3/8" Suction Cup	X	X	X	X
LN271		Large Straight Lifting Needle with SP375 3/8" Suction Cup	X	X	X	X
Non-Reflective Needles						
LN250S		Small Angled Lifting Needle with SP125 1/8" Suction Cup	X	X	X	X
LN251S		Small Straight Lifting Needle with SP125 1/8" Suction Cup	X	X	X	X
LN260S		Med. Angled Lifting Needle with SP250 1/4" Suction Cup	X	X	X	X
LN261S		Med. Straight Lifting Needle with SP250 1/4" Suction Cup	X	X	X	X
LN270S		Large Angled Lifting Needle with SP375 3/8" Suction Cup	X	X	X	X
LN271S		Large Straight Lifting Needle with SP375 3/8" Suction Cup	X	X	X	X

Part #	Image	Description	LP20	LP200	VA175	VA251
Precision Stainless Steel Needles - use with LNA27 & RCA27						
LN275		Angled Lifting Needle OD: .03" (.76mm)			X	X
LN275-1		Angled Lifting Needle OD: .02" (.5mm)			X	X
LN275-2		Angled Lifting Needle OD: .01" (.2mm)			X	X
LN276		Angled Lifting Needle OD: .07" (1.8mm)			X	X
LN277		Angled Lifting Needle OD: .05" (1.3mm)			X	X
LN278		Angled Lifting Needle OD: .05" (1.3mm)			X	X
LN279		Angled Lifting Needle OD: .03" (.76mm)			X	X
LN282		Angled Lifting Needle OD: .07" (1.8mm)			X	X
Suction Cups - Use with Standard Purpose and Non-Reflective Needles Only						
SP375		3/8" Static-Safe Silicone Suction Cup	X	X	X	X
SP250		1/4" Static-Safe Silicone Suction Cup	X	X	X	X
SP125		1/8" Static-Safe Silicone Suction Cup	X	X	X	X
SP093		3/32" Static-Safe Silicone Suction Cup	X	X	X	X
SP750		3/4" Static-Safe Silicone Suction Cup	X	X	X	X
SP625		5/8" Static-Safe Silicone Suction Cup	X	X	X	X
SP500		1/2" Static-Safe Silicone Suction Cup	X	X	X	X

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Part #	Image	Description	LP20	LP200	VA175	VA251
Suction Cups - Use with Standard Purpose and Non-Reflective Needles Only						
SP750R		3/4" Static-Safe Silicone Suction Cup with Stabilizing Insert			X	X
SP500R		1/2" Static-Safe Silicone Suction Cup with Stabilizing Insert			X	X
SP375R		3/8" Static-Safe Silicone Suction Cup with Stabilizing Insert			X	X
SP750W		3/4" Clear Silicone Suction Cup with PTFE Stabilizing Insert			X	X
SP500W		1/2" Clear Silicone Suction Cup with PTFE Stabilizing Insert			X	X
SP375W		3/8" Clear Silicone Suction Cup with PTFE Stabilizing Insert			X	X
SPA25		3/8" Minimal Touch Air & Pick Up Lifter with Suction Cup - Use with LN276 Precision Stainless Steel Needle only (pictured with SPJ19 sold separately)			X	X
DELRIN High-Tech Lifting Needles - use with RCA27						
LN400		Straight Lifting Needle OD: .02" (.5mm) ID: .005" (.12mm)			X	X
LN401		Straight Lifting Needle OD: .02" (.5mm) ID: .01" (.25mm)			X	X
LN402		Straight Lifting Needle OD: .03" (.76mm) ID: .02" (.5mm)			X	X
LN403		Straight Lifting Needle OD: .04" (1.0mm) ID: .03" (.76mm)			X	X
LN404		Straight Lifting Needle OD: .06" (1.5mm) ID: .04" (1.0mm)			X	X
LN405		Straight Lifting Needle OD: .08" (2.0mm) ID: .06" (1.5mm)			X	X
LN400-1		Angled Lifting Needle OD: .02" (.5mm) ID: .005 (.12mm)			X	X
LN401-1		Angled Lifting Needle OD: .02" (.5mm) ID: .01" (.25mm)			X	X
LN402-1		Angled Lifting Needle OD: .03" (.76mm) ID: .02" (.5mm)			X	X
LN403-1		Angled Lifting Needle OD: .04" (1.0mm) ID: .03" (.76mm)			X	X
LN404-1		Angled Lifting Needle OD: .06" (1.5mm) ID: .04" (1.0mm)			X	X
LN405-1		Angled Lifting Needle OD: .08" (2.0mm) ID: .06" (1.5mm)			X	X
TORLON High-Temperature Lifting Needles - use with RCA27						
LN401T		Straight Lifting Needle OD: .02" (.5mm) ID: .005" (.12mm)			X	X
LN402T		Straight Lifting Needle OD: .03" (.76mm) ID: .02" (.5mm)			X	X
LN403T		Straight Lifting Needle OD: .04" (1.0mm) ID: .03" (.76mm)			X	X
LN404T		Straight Lifting Needle OD: .06" (1.5mm) ID: .04" (1.0mm)			X	X
LN405T		Straight Lifting Needle OD: .08" (2.0mm) ID: .06" (1.5mm)			X	X
LN401T-1		Angled Lifting Needle OD: .02" (.5mm) ID: .01" (.25mm)			X	X
LN402T-1		Angled Lifting Needle OD: .03" (.76mm) ID: .02" (.5mm)			X	X
LN403T-1		Angled Lifting Needle OD: .04" (1.0mm) ID: .03" (.76mm)			X	X
LN404T-1		Angled Lifting Needle OD: .06" (1.5mm) ID: .04" (1.0mm)			X	X
LN405T-1		Angled Lifting Needle OD: .08" (2.0mm) ID: .06" (1.5mm)			X	X

Note: This section is limited. For a complete list ask for Edsyn's Hand Tools Catalog solely dedicated to production aids and accessories.

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