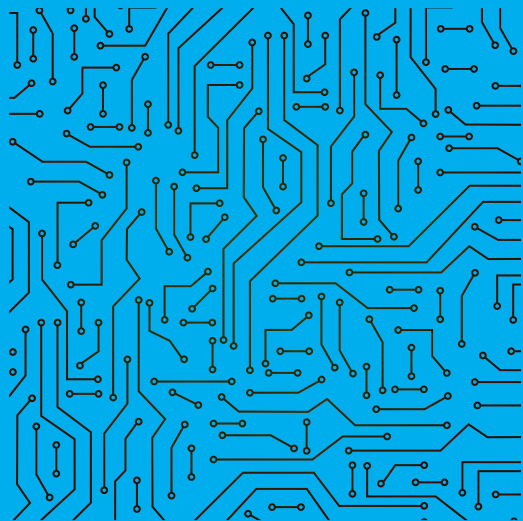
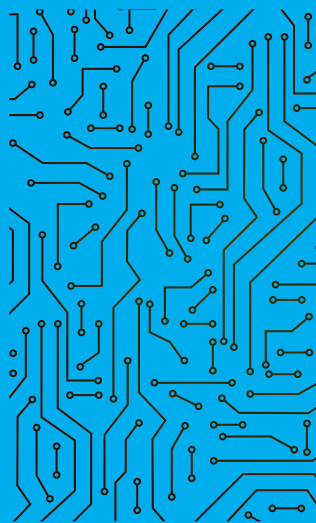


The logo for EDSYN INC, featuring the word "EDSYN" in a bold, black, sans-serif font, followed by "INC" in a smaller font inside a black square, and a registered trademark symbol (®) to the right.

...bringing innovative ideas to life



Soldering 

Desoldering 

SMT Rework 

Fume Extraction 

Accessories 

PRODUCT GUIDE

2024

edsyn.com

WELCOME TO

EDSYN Product Guide

This guide provides an overview and introduction to a selection of key EDSYN products in helping the user determine the best fit for their application. Technical information and specifications for the products highlighted are available on our website and it is recommended that you visit www.edsyn.com to view the full range of tools and accessories available.

EDSYN is a world class manufacturer of quality Soldering, Desoldering, SMT Rework, Pick-up and Fume Extraction products for the electronics industry. EDSYN is an acronym which stands for ENGINEERING DEDICATED TO SUIT YOUR NEEDS. Our company has been founded on that principle and we continue to work and live by that standard of quality to this day. We celebrate the fact that EDSYN has been in operation for over 60 years and remains a family-owned and managed business in Van Nuys, California.






EDSYN's quest for well-engineered and innovative products has always been at the forefront of our business. EDSYN is, and always has been about family. The reason our products are reliable and well-supported is because they are backed by a group of people that view EDSYN as more than just a job. Our history began with Bill and Shirley Fortune, who put family values at the center of everything they did. Through innovation, dedication, and hard work, they built a business from their garage that now manufactures products that are sold worldwide. Today EDSYN is home to three generations.

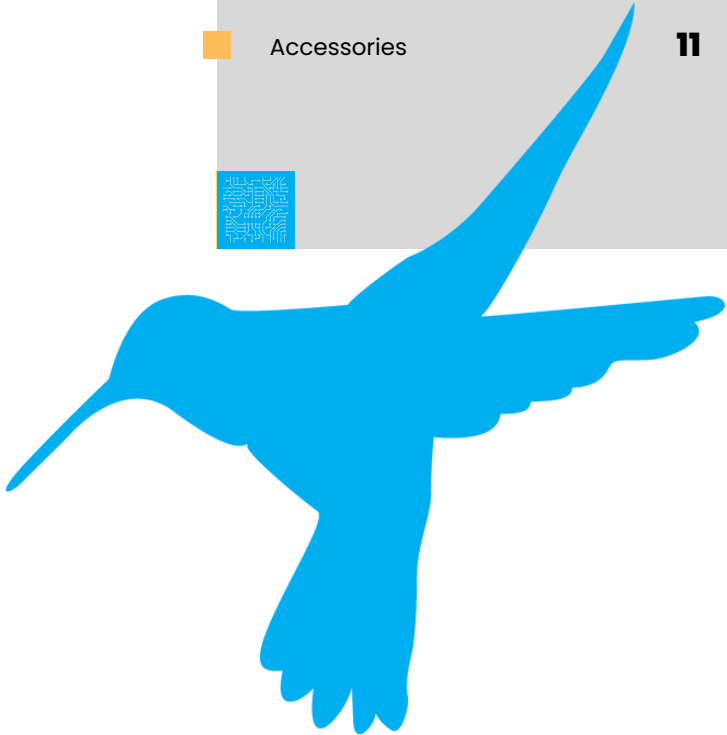
It makes us proud that we are one of the last remaining manufacturers of Soldering and Desoldering equipment based within the US. Our inspiration, values and philosophies are what drives us to meet the challenges ahead and engineer products that are dedicated to suit your needs for generations to come!

Engineering Dedicated to Suit Your Needs



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Soldering Collection

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. The extensive variety of soldering irons and stations available today presents a daunting prospect when selecting the right tool to get the job done right. What makes for a "good" soldering iron depends largely on the needs of the technician. Is wattage important? Will the variety of applications require a wide selection of tips? Is reducing maintenance and downtime a key factor? How long will the iron be in use during a shift? Circuit boards have come a long way in the past 20 years requiring skill and dexterity on the part of the operator. Choosing the right iron is never easy, but help is at hand. Featured here are five soldering options that deliver something for everyone!



PERFORMANCE AT ITS BEST

High performance soldering in a micro-processor controlled and digital station. The 2020 is at home in any production or R&D environment where strict temperature control is essential. The temperature lock-out system prevents unauthorized or accidental changes in temperature. It is equipped with an internal calibrating system, universal switching power supply and temperatures can be displayed in either °F/°C so it can be used internationally. This soldering station is in a league of its own and ideally suited for technicians with high-end or special applications.

Model 2020

PRODUCTION READY

A redesign of the popular 951SX, the EDSYN model 951Sxe is a highly dependable, cost-efficient temperature-controlled station. This unit is a reminder that while technology can be complicated, the tools and products used to build or repair it don't have to be. It delivers trouble free maintenance with external calibration keeping downtime to a minimum which is essential in an economy where productivity is vital. With a simple design, smaller footprint and modular assembly, the 951Sxe is a production ready station that meets the demands and challenges of any production line or workshop.

Model 951Sxe





EXTRA POWER & PERFORMANCE

The 971e offers precise temperature control and high performance soldering for more demanding jobs. Engineered for RoHS and Lead-Free applications, it is the soldering station of choice for heavy duty, multi-layer boards requiring more power. The 971e delivers both fast heat-up and recovery times. Its direct tip-to-heater configuration provides extra power with accurate and stable temperatures at the tip. The handle is designed for quick and easy tip change, an essential feature for technicians changing hot tips between applications. Perfect for the discerning technician wanting to make light work of challenging heavy duty boards.

Model 971e

MOST POPULAR

The 951SX is a solid, durable soldering station with a broad range of use, suitable for anyone from hobbyist to professional technician. The small pencil style handle is lightweight and ergonomic without compromising on functionality allowing the operator to change tips quickly and easily. This accurate linear temperature-controlled soldering station is compact, space-saving and modular in its design. Both °F/°C display options are available along with quick heat-up and recovery times to deliver fast and efficient soldering every time. Built to last, and considered the workhorse of soldering stations, the 951SX is practical, dependable and cost-efficient.

Model 951SX



EXTRA FUNCTIONALITY

The 952SX dual soldering station offers the same features as the single 951SX unit, with the added benefit of a second iron for handling more demanding tasks, enhancing its versatility in a production setting. Each iron functions independently, equipped with individual external calibration capabilities to streamline maintenance and minimize downtime. By combining two irons into one unit, the 952SX not only optimizes workspace efficiency but also presents a cost-effective solution for individuals operating with a limited budget.

Model 952SX





Desoldering Collection

EDSYN invented the industry's first patented desoldering hand tool back in 1961 known as the SOLDAPULLT. This spring-loaded, hand-held vacuum device launched an industry revolution that continues to this day. The most skilled and experienced technicians that work with solder will at some point during their working life make a mistake that requires rework or removal. Equally, high speed production lines that utilize pick and place machines will naturally incur a percentage of board failure which will also require rework and repair. Each EDSYN tool is designed to meet the specific desoldering needs of the individual. A technician working on a PCB assembly line where components are replaced daily may need an industrial type of desoldering tool, while a TV repairman or field technician will have different requirements as would the hobbyist or DIY person working from home. A summary of EDSYN's more popular desoldering tools are outlined below. Whatever the desoldering task, level of skill or price preference, there is a tool that fits every need to ensure you get the job done right.



Model AS196



Model DS017



Model DS017LS



Model SS750LS



Model US340



Model US140



INDUSTRIAL & HEAVY DUTY

There are 3 models to choose from for heavy duty and industrial usage; models AS196 (ESD safe), DS017 and DS017LS (ESD safe). Each model will quickly and efficiently desolder larger PCB connections, terminals and connectors. The portable size delivers easy one-handed loading and operation. A simple push-button trigger quickly releases the oversized plunger to create an immediate and direct vacuum impulse at the tip; while the integral cleaning shaft self-cleans the tip each time the tool is reloaded.

LIGHT & MEDIUM DUTY

Outstanding quality at an affordable price for the professional or hobbyist. The SS750LS (ESD safe), US340 (ESD safe) and US140 compact desoldering tools are designed for delivering powerful suction. They are a must for any work bench or tool kit. The single-handed loading system and adjustable loading stroke not only reduces hand strain but eliminates the need to turn the tool over during reloading. The plunger is shielded for operator safety and the tip self-cleans each time the tool is reloaded.

FASTER PRODUCTION

For faster production desoldering processes, technicians turn to EDSYN's AUTO-VAC DS317 for its advanced capabilities. This ESD-safe unit delivers automatic and uninterrupted production, eliminating the need for manual reloading. This increases productivity when compared to spring loaded hand tools. The DS317 connects to any continuous vacuum source generating 10" Hg or more. Pair with the EDSYN VPI71 vacuum pump (sold separately) for immediate vacuum.

HIGH PERFORMANCE

For production environments looking for a more robust method of solder removal especially for multi-layer boards; a desoldering station is the best way to go. The ZD500DX is uncomplicated in its design yet delivers high performance. It benefits from a lightweight handle that is adjustable with four comfortable working angles, a small footprint to save space on the workbench, a powerful heating element makes heavy multi-layer boards easy to desolder and delivers fast heat-up and quick recovery times.





SMT Collection

SMT has many advantages but is not without its challenges. Mistakes occur whether its the result of a pick & place machine, the operator or a technician manually working the circuit board. Whatever the reason, a quality SMT hot air system is essential in correcting and reworking PCB's and their components. With the variety of hot air stations on the market, finding the right one is not easy. All EDSYN SMT hot air systems are designed for high performance in a small footprint and are perfect for micro rework applications that deliver unique versatility and outstanding performance. All systems are designed with external calibration reducing maintenance and downtime. EDSYN SMT hot air systems are ESD safe, RoHS compliant, accept a wide variety of tips and nozzles, manufactured in California and backed by an 18 month warranty. EDSYN is more than qualified to understand the needs and challenges associated with SMT rework. Why? The use of hot air technology was invented and patented by its owner Bill Fortune and is now an industry standard. Featured below are 4 of EDSYN's most popular SMT hot air systems that provide solutions to rework challenges.

PRODUCTION READY

Model 1036 self-contained SMT hot air station is an economical and efficient option for SMT devices or rework. The built-in air pump makes it perfect for lab type environments or smaller workshops where shop-air is not available. Hot air has the advantage of being able to navigate tightly packed boards with precision. This hot air station is more than capable of handling all standard applications and with its adjustable airflow the operator can regulate this to suit their needs.

Model 1036





DELUXE AND VERSATILE

Model 1036DX self-contained hot air station is a truly flexible solution for rework as it offers the option of hot air or soldering from one handle. Having its own built-in pump makes it perfect for those with no access to shop air. It can also be moved easily as it does not need to be connected to an air source. It is great for reworking Gullwings, J-Leads, PLCC's and other small or micro components. The 1036DX has the added benefit of its own pick-up tool creating a compact rework system. Portable and versatile, the 1036DX is the right tool for precise removal and rework of components.

Model 1036DX

COMPACT & POWERFUL

Specifically designed for RoHS and Lead-Free applications including heavy-duty and multi-layer boards that require more power. Compared to other hot air stations, the 971HAe is lightweight, portable and compact freeing up space on the workbench. Airflow is adjustable providing precise application of air to safely rework boards without damaging or removing neighboring components. Automatic shut-off valve turns air off when the hand-piece is returned to the holder and direct tip-to-heater configuration delivers extra power. When extra power is needed, the 971HAe is the right tool to get the job done right!

Model 971HAe



HIGH PERFORMANCE & MULTI-TASKING

Model TSX70 is a highly effective SMT/BGA reflow and site prep workstation providing remarkable "on-demand" hot air and vacuum features. Excellent for use with BGA's, PLCC's, QFP's and other fine pitch components. This unit can be used with nitrogen to reduce oxidation and bridging but will also deliver good results with standard shop air too. Reflow and desoldering functions are from one hand piece which is adjustable with four comfortable working angles. This groundbreaking technology delivers consistent, superior and professional results every time.

Model TSX70





Fume Extraction Collection

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. The importance of removing the harmful effects of fumes or particles when soldering can never be over emphasized. Fume extraction systems have become an essential part of the workbench and selecting the right tool to get the job done right is crucial to improving the quality of the air we breathe.

INNOVATION AT ITS BEST - BENCH TOP FUME EXTRACTION

Powerful two-stage bench top fume extraction unit delivering excellent removal of fumes and particles directly from the face of the operator. The innovative feature of these units is in the proprietary rotating filter design offering 8 times greater filtration than other models with only a single stationary filter. The unit can be positioned to any working angle to maximize efficiency. Both are ultra-quiet and have the additional benefit of task lighting to reduce glare and alleviate eyestrain. The compact size make them ideal for cramped work spaces. This small but highly effective bench top fume extractor is the right tool for anyone wanting to operate in a healthier environment. Model FXF12 comes with an additional detached wet/dry soldering tip cleaner for a 2-in-1 solution to help reduce oxidation and give the operator greater versatility and convenience.

Model FXF11



Model FXF12





COMPACT & ECONOMICAL

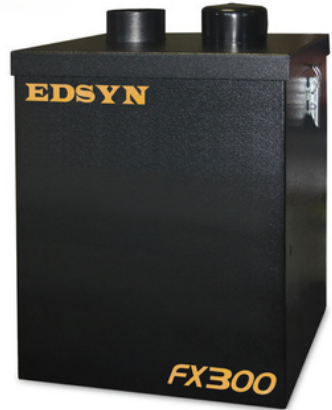
Model FX225 is a complete two-stage fume extraction system (optional filtration upgrade available), designed for use by technicians involved in hand soldering. This powerful self-contained unit has airflow of 120 cfm (filters installed). It comes with two 50mm stay-put extraction arms making it easy for two operators seated either opposite or next to each other to benefit from the removal of particles and fumes at the same time. The FX225 can also be expanded to accommodate 4 operators and is designed for continuous running. It is quiet with a noise level measured at 55 dba.

Model FX225

POWERFUL & EXPANDABLE

Model FX300 is a two-stage volume fume extraction unit for use by up to four operators. Optional filtration upgrades allow you to build and customize a unit that best suits your needs. It generates high airflow rates from a range of bench top attachments (188 cfm with filters installed). Installation is simple and the unit can be ready to work in less than 5 minutes. The FX300 is designed for continuous running, reducing the need for regular inspection. It can be positioned comfortably under the workbench with a choice of 50mm or 75mm stay-put or moveable arms. The unit is portable and offers quiet operation due to a built in silencer (52 dba).

Model FX300



Model FXS5015



Model FXS5016





Accessories Collection

Edsyn is proud to present a complete line of accessories and production aids specifically designed to complement our current line of soldering, desoldering and SMT stations. In this section, you will discover a wide variety of hand tools and production aids that offer innovative solutions for almost 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.





DRY SOLDERING TIP CLEANER

The low-abrasive dry soldering tip cleaner minimizes thermal shock without causing temperature fluctuations as seen with traditional sponges. Its brass shavings eliminate the need for water, effectively extending the lifespan of the soldering tip by mitigating oxidation and corrosion. Its compact design occupies minimal bench space and is compatible with soldering irons featuring lead-free or leaded tips. This cleaner efficiently removes solder debris while simultaneously cleaning the tip. Additionally, the aluminum holder with a rubber base ensures stability to prevent slippage.

Model EA439-C

WET & DRY SOLDERING TIP CLEANER

Compatible with all EDSYN soldering or desoldering stations, this convenient 2-in-1 dry and wet tip cleaner is designed to enhance efficiency by reducing corrosion and extending the lifespan of tips, whether lead free or leaded. Its low-abrasive dry tip cleaner minimizes thermal shock, while the double wet sponge facilitates thorough cleaning by eliminating stubborn debris. Additionally, its compact size optimizes workbench space and simplifies storage. The built-in storage bay is ideal for organizing tips and small accessories.

Model SH237



PORTABLE VACUUM PICK UP TOOL

EDSYN's most popular vacuum pick-up tool is compact, lightweight and ESD safe. It is designed for picking up a wide range of electronic components safely without damaging sensitive parts. Each LP200 comes standard with 3 angle lifting needles and soft suction cups LN250, LN260 and LN270, providing a variety of lifting options. A single vacuum button bar makes it easy to use and a secure clip enables it to be placed in your pocket for convenience. With its strong and reliable suction, this portable and economical pick-up tool will handle most lifting applications.

Model LP200





ALL-IN-ONE TEST PROBE & TWEEZER

An all-in-one test probe and tweezer solution crafted from 301 stainless steel. It features side stacking banana jacks, a flexible boot to minimize wire strand fatigue, and lightweight 24-gauge stranded wire. The tool includes a configurable spacing adjuster of 5/8", surface-ground dual pickup points, and the versatility to function as separate regular probes. Its design enables the secure handling of small components or larger objects with stability, offering the flexibility to grasp parts from both inside and outside. Additionally, an adjustable scissor configuration allows users to probe using a scissor motion for broader spans.

Model EZP01



SOLDAPULLT MAINTENANCE KITS

SOLDAPULLT desoldering hand tools are built to last and EDSYN now makes this easier by offering a full line of maintenance kits for each desoldering hand tool made. Each maintenance kit comes with an O-Ring to ensure a good seal, replacement tip for pinpoint accuracy, O-Ring lube to maximize suction and a cleaning brush especially designed to fit inside the barrel to remove stubborn solder debris left over after each use. Finding the maintenance kit part number is easy too, just insert **-MK** after your favorite model number (i.e. DS017-MK)

Model DS017-MK



VACUUM PICK-UP AND DISPENSING TOOL

This innovative tool combines two functionalities in one, featuring dual-colored bellows designed for precise component handling and dispensing tasks. Utilizing vacuum technology, this device effectively lifts objects using a variety of needles and suction cups, ensuring accurate placement. Additionally, it enables precise liquid dispensing and extraction through a diverse range of needles. The soft-touch translucent bellow design is offered in two distinct colors, aiding in task differentiation and providing effortless activation. Its compact design enhances portability and enables convenient storage in any tool kit.

Model LP22

TIP TINNER & CLEANER

Ensuring the longevity and cleanliness of your soldering tips is crucial for achieving optimal results. The LONER lead-free tip tinner and cleaner, available in two sizes, is designed to preserve and enhance the performance of your EDSYN LONER® soldering tips. Its adhesive back allows for easy attachment to any soldering station or placement on the workbench, ensuring convenient access during work.

Model LT-1

Model CT-1



TOOL POD

EDSYN's PD528 tool pod is packed with features aimed at extending the life of the heater and tip, while also promoting energy efficiency. This patented design functions like a thermos, incorporating a chamber that minimizes heat loss, resulting in lower power consumption. It also reduces tip corrosion, prolonging the tip's lifespan, and extends the heater's durability by eliminating cycling. The PD528 includes a solder collector to maintain cleanliness and safety in your workspace by capturing excess solder when the iron is placed in the holder. Even after prolonged use, the exterior remains cool to the touch.

Model PD528



WIDE VARIETY OF TIPS

Customization holds a paramount position at EDSYN, as evidenced by our diverse range of soldering and desoldering tips, including our tailored tip service, which we take great pride in offering to our customers. While these tips may be small in size, they play a crucial role in the functionality of a soldering station. At EDSYN, we ensure that our customers can seamlessly align the tip with the task at hand, regardless of the option they select. Thus ensuring you get the job done right - every time! See the EDSYN website for a comprehensive list of tip options.





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