




## The right tool for desoldering.

Faulty components and design changes are just two reasons why the need to rework electronic assemblies exists. Rework requires skill and dexterity from the technician and having the right tools are essential in ensuring the end results are accomplished and professional. EDSYN has been successful in the design and manufacture of portable, hand-held desoldering tools for over fifty years and the removal of solder using a desoldering-pump is still one of the most popular and best methods available today.



**THE SCIENCE BEHIND THE SOLDAPULLT** | Each EDSYN SOLDAPULLT® operates on the principle of a spring-loaded plunger in a barrel. The plunger extends the full length of the barrel before being drawn back in to the barrel to create a strong vacuum impulse. A trigger button activates the plunger including the self-cleaning shaft which acts as a valve during the initial vacuum stroke. As the shaft leaves the tip, a high-vacuum impulse force is created to lift the molten solder. These features are proprietary and have made EDSYN's desoldering tools "world famous" for decades.

**CHOOSING THE RIGHT TOOL** | The question arises as to which of the EDSYN desoldering tools is right for you? Each 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. Profiles of several of EDSYN's more popular desoldering hand tools are outlined below. These are categorized under the headings Industrial & heavy duty; General purpose & medium duty; Routine assembly & light to medium duty. Whatever your desoldering task, level of skill and ability, price preference, there is a tool that fits every need. The guide below will ensure you select the right tool to get your job done right.


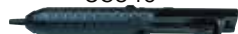

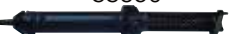
**INDUSTRIAL & HEAVY DUTY** | There are 3 models to choose from for heavy duty and industrial usage; models DS017, DS017LS and AS196. All these tools will quickly and efficiently desolder larger PCB connections, terminals and connectors. The portable size of these pumps delivers easy one-handed loading and operation. A simple push-button trigger quickly releases the oversized plunger to create an immediate and direct vacuum impulse at the desoldering tip; while the integral cleaning shaft self-cleans the tip each time the tool is reloaded. A convenient bayonet twist barrel allows each of these pumps to be taken apart for fast routine cleaning. They are all manufactured using durable corrosion resistant plastic for a longer life. The table below highlights the differences enabling you to choose the right tool for your specific job.

Features	DS017	DS017LS	AS196
Static-Safe			
Static-Safe with additional conductive plating		•	•
Single-Handed Operation	•	•	•
Heavy-Duty	•	•	•
Locking Retractable Shaft	•	•	•
Push Button Trigger	•	•	•

**GENERAL PURPOSE & MEDIUM DUTY** | The PT109 and PT209 are lightweight spring-loaded tools with ample vacuum for routine desoldering of PCBs, general purpose as well as TV and audio repair. Their smooth soft action and low plunger recoil, provides effortless one-handed loading and operation. The plunger shaft is fully enclosed for operator safety and the loading shaft can be locked at a reduced length making them easy to store and portable.

Features	PT109 	PT209 
Static-Safe		•
Single-Handed Operation	•	•
Medium-Duty	•	•
Locking Retractable Shaft	•	•
Push Button Trigger	•	•

**ROUTINE ASSEMBLY & LIGHT TO MEDIUM DUTY** | The US140, US340, SS750LS and SS350 provide outstanding quality at an affordable price for the professional or hobbyist. These compact desoldering tools are designed for one handed loading while delivering powerful vacuum. 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 no-stick PTFE tip self-cleans each time the tool is reloaded.

Features	US140 	US340 	SS750LS 	SS350 
Static-Safe		•	•	•
Metal Barrel			•	•
Single-Handed Operation	•	•	•	•
Petite & Compact	•	•	•	•
Adjustable Loading Stroke	•	•	•	•
Thumb Release/Trigger	•	•		
Lightweight	•	•	•	•
Low Cost			•	
Push Button Trigger			•	•



**Bringing innovative ideas to life** | Innovation is about identifying a need and finding a solution - EDSYN's name lives up to this by engineering that is dedicated to suit your needs. Simplifying processes was the driving force behind the innovation that created the legacy we know as the SOLDAPULLT<sup>®</sup>. These tools are easy to use, cost efficient and easy to maintain. They are simply the right tools to get the job done right!

Features	DS017	DS017LS	AS196	PT109	PT409	US140	US340	SS750LS	SS350
Static-Safe		•	•		•		•	•	•
Metal Barrel									•
Single-Handed Operation	•	•	•	•	•	•	•	•	•
Heavy-Duty	•	•	•						
Medium-Duty				•	•				
Petite & Compact						•	•	•	•
Locking Retractable Shaft	•	•	•	•					
Adjustable Loading Stroke						•	•	•	•
Thumb Release/Trigger						•	•		
Lightweight						•	•	•	•
Lowcost/Economical								•	
Push Button Trigger	•	•	•	•	•				

The right tool is EDSYN.