

A WORLDWIDE COMMITMENT

With offices worldwide, PACE is a recognized world leader in the development of solutions for the assembly and repair of highly advanced electronics. Our expertise extends back to the dawn of the modern electronics industry. In 1958, PACE introduced training programs for the repair of printed wire assemblies, and soon after, revolutionized the industry by creating the first self-contained vacuum desoldering system.

Today, PACE continues to provide innovative solutions, products and training for the rework, repair and testing of printed circuit assemblies. Our unique capabilities and evolving vision have provided universal solutions for thru-hole and surface mount assembly and rework problems for the most advanced electronics.

Additionally, PACE manufactures Fume Extraction Systems to reduce exposure to harmful particulates and gases created from hand soldering operations. PACE Fume Extraction Systems effectively remove these contaminants from the worker's breathing zone thereby reducing or eliminating health risks and improving productivity.

Our strong commitment and history of achievement has resulted in an unparalleled range of Assembly, Repair and Fume Extraction solutions to meet your needs whether working to ISO-9000, industrial, military or your own internal specifications. Whatever the challenge, PACE stands ready to help you set a new standard.



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P/N 5400-0131 07/04

A CUSTOMER COMMITMENT

In 2001 the distinguished Frost & Sullivan Award for the World Surface Mount Technology Rework and Repair Equipment Industry was bestowed upon PACE.

The Frost & Sullivan Market Engineering Customer Service Leadership Award is presented to companies that have demonstrated superior responsiveness to customer needs and value-added support in technology and services.

PACE was selected based upon independent research with customers, key market participants and even our competition. This award reiterates PACE's commitment to excellence from product concept to customer service in the field. Frost & Sullivan's research recognizes that the key to PACE's success in the industry is our interactive approach with customers to provide solutions and respond to end-user feedback when developing products.

 In 2002 PACE was awarded World Class Status, signifying that PACE uses best practices in its design, development and manufacturing processes to provide the finest quality products to its customers at the lowest possible cost. The first Maryland based company to receive this coveted award, PACE stands alone in its market segment in achieving this highly regarded status.

SOLUTIONS FOR THE ELECTRONICS INTERCONNECTION PROCESS

The following are trademarks and/or service marks of PACE, Incorporated, Annapolis Junction, MD USA: INSTACAL™, ENDURA™, FUMEFLO™, HI-FLO™, LO-FLO™, MINITWEEZ™, PACEWORLDWIDE™, POWERMODULE™ and POWERPORT™.

The following are registered trademarks and/or service marks of PACE, Incorporated, Annapolis Junction, MD USA: ARM-EVAC®, FLO-D-SODR®, HEATWISE®, MINI-WAVE®, PACE®, PERMAGROUND®, SENSATEMP®, SNAP-VAC®, SODRTEK®, SODR-XTRACTOR®, TEMPWISE®, THERMO-DRIVE®, THERMOFLO®, THERMOJET®, THERMOTWEEZ® and VISIFILTER®.

PACE products meet or exceed all applicable military and civilian EOS/ESD, temperature stability and other specifications, including MIL-STD-2000, ANSI/J-STD-001, IPC 7711, IPC 7721 and IPC-A-610.

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SODR-TEK®

THE PROFESSIONAL TOOL FAMILY FOR THE REPAIR TECHNICIAN AT AFFORDABLE PRICES



SODR-TEK®

THE PROFESSIONAL TOOL FAMILY FOR THE REPAIR TECHNICIAN AT AFFORDABLE PRICES

PACE®, Incorporated is pleased to introduce "Sodr-Tek®". Sodr-Tek® products have been designed specifically to meet the changing needs of today's service and bench-top technicians. Sodr-Tek systems are modular and integrate with each other, allowing technicians to purchase only the tools required for today without sacrificing the needs of tomorrow. With Sodr-Tek®, additional equipment and functionality can be added at any time to meet the ever changing needs as required by your future work or by changes in electronics technology. Because Sodr-Tek® is part of the PACE® family, you can rest assured that you will always have the right tools for the job!

In addition to top of the line equipment, the Sodr-Tek® product line also includes everything the service technician will need to complete their work... from solder (leaded and lead free) and flux to solder wick. The difference with Sodr-Tek® is that all of our material products are packaged in quantities that make sense for the technician!

When job variability is high and contracts change so quickly, it just does not make sense to purchase solders and fluxes in large quantities!

With almost 50 years of experience and industry leadership in rework and repair technology and techniques, PACE® provides much more than simply equipment. When you select Sodr-Tek®, you receive access to one of the most valuable resources in the industry, PACE's applications and technical support services. Over the years, our applications support services have been the cornerstone of quality assurance and repair reliability for countless customers. Whenever you encounter a new component, a new PCB, or if you just want reassurance that your process is correct and safe, simply contact PACE® and we will create a procedure for you that not only identifies the equipment required to do the job correctly, but also every step in the process! Let's take a look at the products!



PACE is the proud recipient of the 2003 SMT Vision Award for Rework and Repair Products.



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SODR-TEK® PRODUCTS FEATURE TWO THERMAL CONTROL TECHNOLOGIES REGARDLESS OF YOUR WORK, WE HAVE THE BEST SOLUTION.

HEATWISE® TECHNOLOGY

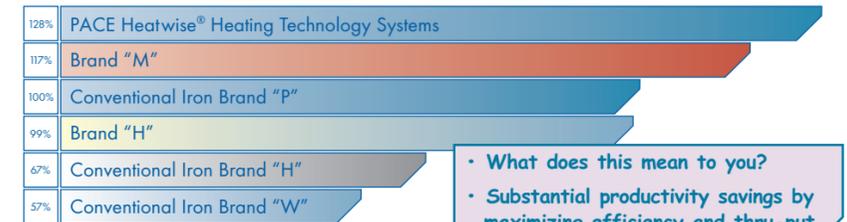
It's no secret that today's PCBs offer a greater variety of challenges than ever before. The size of the PCB and components continue to decrease, requiring micro-tools, component density is increasing posing accessibility problems, and the thermal demand of the PCB continues to increase as more and more layers and processing power is packed into ever shrinking areas. Systems that only offer one thermal management approach are not always adequate to meet the challenges posed by the high variability in rework and repair operations. PACE® is pleased to offer the latest advancement in technology and productivity enhancing solutions for soldering and repair operations in over twenty years to the Service Technician at an affordable price... HEATWISE® Performance Control Technology!

The key advantage of HEATWISE® is that its advanced electronics provide

instantaneous load sensing and on-demand power to quickly reflow solder joints, regardless of the mass of the application. For applications where the work cycle is high and for micro-miniature applications

the direct power approach is ideal as the thermal demand is continuously monitored and the heater responds immediately by providing adequate power to meet the demand from the work, without overshoot.

THE CHALLENGE - Efficiency of joints soldered per hour with same tip geometry and thermal out put.



PACE HEATWISE® TECHNOLOGY SYSTEMS SAVE YOU TIME & MONEY

| ANNUAL HOURS SAVED WITH HEATWISE® | ANNUAL SAVINGS (US \$)* |
|-----------------------------------|-------------------------|
| BRAND M | 58 HOURS \$1,160 |
| CONVENTIONAL IRON BRAND P | 164 HOURS \$3,280 |
| BRAND H | 176 HOURS \$3,520 |
| CONVENTIONAL IRON BRAND H | 553 HOURS \$11,060 |
| CONVENTIONAL IRON BRAND W | 768 HOURS \$15,360 |

* Assuming a fully burdened labour rate of \$20 USD per hour

SENSATEMP® TECHNOLOGY

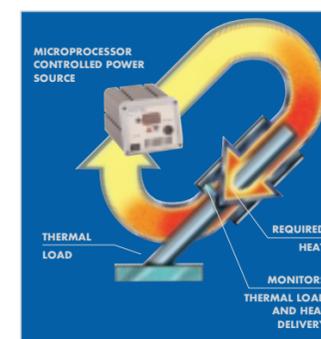
SensaTemp® is a highly responsive Heat Delivery System that continuously monitors the thermal demand of the work and responds immediately by driving in the required power for safe, rapid reflow of any joint.

At the heart of SensaTemp is a laser trimmed, platinum RTD sensor that is 5 times more accurate than conventional thermo-couples. This level of accuracy allows for safe, productive soldering at the lowest possible

temperatures. As a result, the amount of time spent reflowing each joint is reduced, minimizing the possibility of damage. Additionally, SensaTemp® allows you to change tips, heaters, and handpieces at will, without ever having to recalibrate! SensaTemp's unique Thermal Management System acts as thermal dampener that minimizes tip temperature overshoot, ensures temperature stability and creates a "thermal reservoir" that can be accessed instantaneously when high mass applications

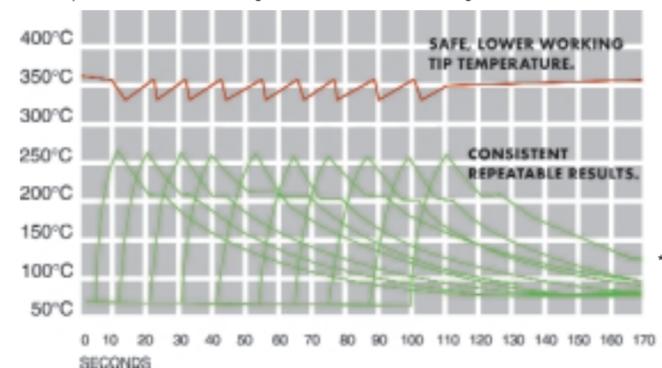
are being performed. SensaTemp® delivers consistent repeatable results regardless of the thermal demand of the work. Its ability to respond quickly is ideal for light work, while its amazing thermal capacity can meet the challenges of the heaviest thermal loads, providing the operator with the flexibility that is essential in today's ever changing environment. Regardless of your application, SensaTemp® delivers unsurpassed thermal performance, productivity and "bottom line" savings.

SENSATEMP CONTROL



SENSATEMP PERFORMANCE CHART

Repetitive Production Soldering with Production Iron on 10 High Mass Loads*



* each load represents the thermal characteristics of a high mass solder joint.

HANDPIECES

It is important to develop a full understanding of the capabilities of each of the available handpieces because they are unique to the application being performed. Please refer to the table below to match your application with the appropriate handpieces. The details and specifications for each handpiece are listed after the table.

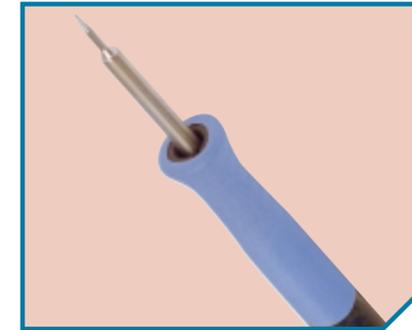
| | HeatWise Handpieces | | SensaTemp Handpieces | | | | | | | Component Handling |
|--|---------------------|--------------|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------|
| | TD-100 | MT-100 | PS-90 | SX-80 | TT-65 | TJ-70 | TJ-80 | TP-65 | PV-65 | |
| Handpiece Kit Part Number (Handpiece & Stand) | 6993-0242-P1 | 6993-0243-P1 | 6993-0199-P1 | 6993-0213-P1 | 6993-0207-P1 | 6993-0206-P1 | 6993-0247-P1 | 6993-0205-P1 | | |
| Handpiece Only Part Number | 6010-0132-P1 | 6010-0140-P1 | 6010-0131-P1 | 6010-0106-P1 | 7025-0001-P1 | 7023-0002-P1 | 6010-0142-P1 | 7024-0001-P1 | 7027-0001-P1 | |
| High Cycle Soldering | ▲ | | ▲ | | | | | | | |
| Standard Soldering | ▲ | | ▲ | | | | | | | |
| High Mass Soldering | | | ▲ | | | | | | | |
| Micro Soldering | ▲ | | | | | | | | | |
| Solder Wicking | ▲ | | | | | | | | | |
| Thru-Hole Desoldering | | | | ▲ | | | | | | |
| SMT Land Preparation | ▲ | | ▲ | ▲ | | | | | | |
| Solder Removal from Lands | | | | ▲ | | | | | | |
| Thru-Hole Desoldering | | | | ▲ | | | | | | |
| Large SMD Removal | | | | | ▲ | | | ▲ | | |
| Standard SMD Removal | ▲ | ▲ | ▲ | ▲ | ▲ | | | ▲ | | |
| Micro SMD Removal | ▲ | ▲ | ▲ | | ▲ | | | | | |
| Large Component Installations with Solder Paste | | | | | | ▲ | | | | |
| Standard Component Installations with Solder Paste | | | | | | ▲ | ▲ | | | |
| Micro Component Installations with Solder Paste | | | | | | ▲ | ▲ | | | |
| Component Manipulation | | | | | | | | | ▲ | |

HANDPIECES

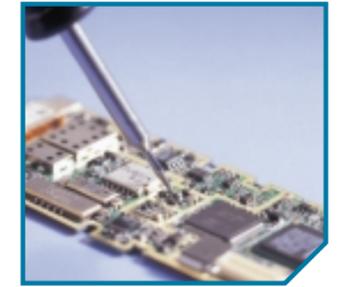
HEATWISE® HANDPIECES

The following handpieces are compatible with the HW 50 system.

The only Soldering Iron (**TD-100 Thermo-Drive® Iron**) crafted by a team of surgical instrument engineers, is uniquely designed to eliminate operator fatigue, improve control and enhance productivity in demanding soldering applications. The TD-100 uses a patented tip-heater cartridge that is not only the best performing heater cartridge, but is also the lowest priced tip-heater cartridge on the market today! Over 50 soldering tip geometries are available as well as over 30 surface mount removal tips. See Pages 8 & 9 for tip selection.



▲ TD-100 Thermo-Drive® Iron



▲ TD-100 Micro Soldering

The only high capacity, micro tweezer (**MT-100 MINITWEEZ™**) on the market today features soft comfort grips, the smallest stroke available, and its tweezing action mimics the natural motion of the human hand to eliminate hand fatigue. With more than 10 styles of component removal tips available the MT-100 is one of the most versatile component removal tweezers and our tips cost less than half of our competitors! See Page 9 for tip selection.



▲ MT-100 MINITWEEZ™



▲ MT-100 Removing Component

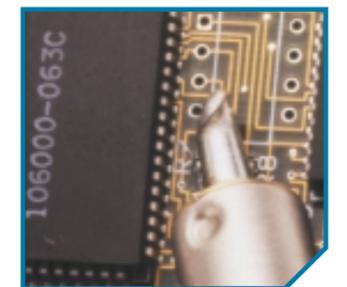
SENSATEMP® HANDPIECES

The handpieces listed below feature SensaTemp control technology and are compatible with the ST 25, ST 45, ST 125, and ST 145.

The Universal Soldering Iron (**PS-90**) is ideal for most soldering applications and SMT rework operations where high thermal capacity and flexibility is required. There are over 75 single point soldering tips and over 30 surface mount removal tips available for the PS-90. See Pages 10 & 11 for tip selection.



▲ PS-90 Universal Soldering Iron



▲ PS-90 with patented MiniWave Tip

▲ PS-90 FEATURES

- ▲ A High Tensile Stainless Steel heater shroud for maximum ruggedness, durability and life in the harshest environments,
- ▲ Gold connectors to ensure reliability and virtually eliminate oxidation, and
- ▲ An operator replaceable plug-in heater cartridge that can be changed in seconds,

HANDPIECES

SENSATEMP® HANDPIECES

DESOLDERING & SOLDER REMOVAL

The best performing, in-line, vacuum desoldering tool (**SX-80 Sodr-X-Tractor®**) is ideal for Thru-Hole desoldering when fitted with Endura™ Desoldering tips and for SMT land clean-up when fitted with Flo-D-Sodr® tips. Endura desoldering tips are the longest lasting, best performing soldering tips on the market! The SX-80 features a unique solder collection system that can utilize disposable Flux/Solder traps or a re-usable glass collection tube. An operator replaceable plug-in heater cartridge that can be changed in seconds is standard. The SX-80 has a wide range of standard and precision Endura desoldering tips for when access is tight! The handpiece can also be fitted with PACE's Pik-Tips for surface mount component removal. See Page 12 for tip selection.



▲ SX-80 Sodr-X-Tractor®



▲ SX-80 Desoldering Thru-hole Solder Joint

HEAVY DUTY THERMAL TWEEZER

The most versatile and the only patented SMT removal tool (**TT-65 ThermoTweez®**) provides safe, one-handed, rapid reflow and component removal of PLCCs and other 4 or 2 sided SMT components. Unlike other methods, its high thermal capacity and targeted heat delivery remove even the largest SMDs in just seconds without damaging the PCB or risking of adjacent component reflow; even on heavy assemblies. The unique vertically oriented handpiece and a wide variety of quick-change, slim-line tips easily reach into the tightest spaces for fast, safe component removal. The TT-65 also features a patented "stroke" adjustment to reduce hand fatigue for repetitive operations. See Pages 12 & 13 for tip selection.



▲ TT-65 ThermoTweez®



▲ TT-65 Removing SMT Component

HOT AIR JET

The high capacity air pencil (**TJ-70 THERMOJET®**) provides safe, rapid reflow of chip components, SOTs, SOICs, PLCCs, and QFPs. Its flared grip design and focused nozzle-tips lets you easily target controlled heat right at the solder joints without damage to the board or adjacent components. A finger actuated air switch provides safe "On-Demand" capability without the constant running of the Hi-Flo pump. Unique nozzle-tips offer single and dual airstreams so 2 sides of a component can be simultaneously reflowed. See Page 14 for nozzle tip selection.



▲ TJ-70 ThermoJet®



▲ TJ-70 Reflowing both sides of SMT component

HANDPIECES

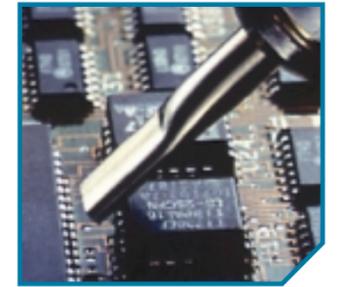
SENSATEMP® HANDPIECES

MINI HOT AIR JET

When the precise application of hot air is required, our slim line air pencil (**TJ-80 THERMOJET®**) is ideal for delivering heat for the installation and removal of chip components, SOTs, and SOICs. Multiple quick-change nozzle sizes are available. The handpiece's slim line, pencil grip design maximizes operator comfort and control. The TJ-80's airflow is actuated with a foot pedal when connected to the Hi-Flo pump and with a panel mounted switch when connected to the Lo-Flo pump for micro work demanding the focused, gentle, and precise application of hot air, such as 0402s and 0201s. See Page 14 for nozzle tip selection.



▲ TJ-80 Mini Thermal Jet



▲ TJ-80 Reflowing leads on a QFP

QFP REMOVAL TOOL

One of the most unique and innovative handpieces (**TP-65 THERMOPIK®**) available for removing 4 sided components provides safe, one-handed reflow and removal of QFPs in just seconds. Its high efficiency design targets controlled heat at the joints, away from sensitive adjacent components and substrate areas. The TP-65 is also fitted with a vacuum pik for secure component lift-off after reflow. Vacuum actuation is through a finger switch on the handpiece. See Page 11 for tip selection.



▲ TP-65 ThermoPik



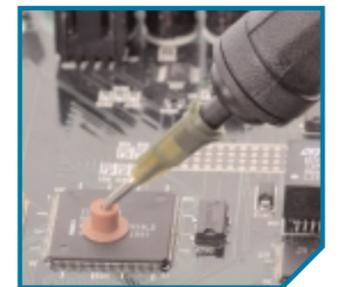
▲ TP-65 Removing a QFP

COMPONENT HANDLING WAND

When you need to hold components securely, and safely with out risking contamination or damage, the vacuum wand (**PV-65 Pik-Vac**) is the ideal choice! The PV-65 is slim, comfortable, and features on-demand vacuum that is controlled by your finger. A variety of vacuum cups are available for use with the PV-65.



▲ PV-65 Pik-Vac



▲ PV-65 lifting a SMT component

TIPS

TD-100 SOLDERING TIPS



| TIPS | DESCRIPTION | TIP SIZE - L | SIZE - D | PART NUMBER |
|------|---|------------------|-----------------|--------------|
| | 1/32" Conical Sharp Extended | 13.4mm (0.530") | 0.80mm (0.031") | 1124-0001-P1 |
| | 1/64" Conical Sharp | 7.8mm (0.310") | 0.40mm (0.016") | 1124-0002-P1 |
| | 1/64" Conical Sharp Bent 30 Degrees | 7.8mm (0.310") | 0.40mm (0.016") | 1124-0003-P1 |
| | 1/64" Conical Sharp Extended | 13.5mm (0.535") | 0.40mm (0.016") | 1124-0004-P1 |
| | 1/32" Conical | 4.7mm (0.188") | 0.80mm (0.031") | 1124-0005-P1 |
| | 3/128" Conical | 4.6mm (0.184") | 0.58mm (0.023") | 1124-0006-P1 |
| | 1/16" 90 Degree Chisel | 10.9mm (0.430") | 2.03mm (0.080") | 1124-0007-P1 |
| | 3/64" 30 Degree Chisel | 9.7mm (0.380") | 1.20mm (0.047") | 1124-0008-P1 |
| | 3/64" 30 Degree Bevel | 3.6mm (0.140") | 1.20mm (0.047") | 1124-0009-P1 |
| | 13/64" Chisel | 7.62mm (0.300") | 5.15mm (0.203") | 1124-0010-P1 |
| | 1/64" 60 Degree Bevel | 14.7mm (0.580") | 0.40mm (0.016") | 1124-0011-P1 |
| | 1/32" 30 Degree Chisel | 9.1mm (0.360") | 0.80mm (0.031") | 1124-0012-P1 |
| | 3/32" 30 Degree Chisel | 9.9mm (0.390") | 2.40mm (0.094") | 1124-0013-P1 |
| | 5/64" 60 Degree Chisel | 4.7mm (0.185") | 2.00mm (0.078") | 1124-0014-P1 |
| | 1/64" Conical, Sharp, Bent 30 Degrees, Extended | 15.1mm (0.595") | 0.40mm (0.016") | 1124-0015-P1 |
| | 3/64" Chisel Bent 30 Degrees | 11.7mm (0.460") | 1.20mm (0.047") | 1124-0016-P1 |
| | 1/16" 60 Degree Chisel | 15.8mm (0.620") | 1.60mm (0.063") | 1124-0017-P1 |
| | 1/32" Conical Sharp Extended | 16.7mm (0.660") | 0.80mm (0.031") | 1124-0018-P1 |
| | 1/16" 30 Degree Chisel | 9.9mm (0.390") | 1.60mm (0.063") | 1124-0019-P1 |
| | 1/8" 90 Degree Chisel | 4.8mm (0.190") | 3.20mm (0.125") | 1124-0020-P1 |
| | 3/128" Conical Sharp Bent 30 Degrees | 14.4mm (0.570") | 0.58mm (0.023") | 1124-0021-P1 |
| | 1/16" Conical Sharp | 9.9mm (0.390") | 1.60mm (0.063") | 1124-0022-P1 |
| | 1/8" 90 Degree Chisel Extended | 8.6mm (0.340") | 3.20mm (0.125") | 1124-0023-P1 |
| | 1/16" 30 Degree Bevel | 9.9mm (0.390") | 1.60mm (0.063") | 1124-0024-P1 |
| | 1/16" Conical Sharp Extended | 12.1mm (0.478") | 1.60mm (0.063") | 1124-0025-P1 |
| | 1/16" Chisel Bent 30 Degrees | 9.7mm (0.385") | 1.60mm (0.063") | 1124-0026-P1 |
| | 3/128" Conical Sharp | 15.2mm (0.600") | 0.58mm (0.023") | 1124-0027-P1 |
| | 3/64" Chisel, Bent 30 Degrees, Extended | 15.2mm (0.600") | 0.91mm (0.36") | 1124-0028-P1 |
| | 1/32" 30 Degree Bevel | 9.1mm (0.360") | 1.91mm (0.75") | 1124-0029-P1 |
| | 1/32" Conical Sharp | 9.9mm (0.390") | 0.80mm (0.031") | 1124-0030-P1 |
| | Heat Staking | N/A | 4.04mm (0.159") | 1124-0031-P1 |
| | MiniWave | N/A | 3.05mm (.120") | 1124-0032-P1 |
| | Angled MiniWave, 3.3 mm | N/A | 3.05mm (.120") | 1124-0033-P1 |
| | Single Sided Chisel | N/A | 3.05mm (.120") | 1124-0034-P1 |
| | Angled MiniWave, 2.4mm | N/A | 2.11mm (.083") | 1124-0035-P1 |
| | 1/128" Conical | N/A | 0.20mm (0.008") | 1124-0036-P1 |
| | 1/4 Flat Blade | N/A | 4.57mm (0.180") | 1124-0037-P1 |
| | Single Sided Chisel, Fine Pitch | N/A | 1.5mm (.06") | 1124-0038-P1 |
| | Angled MiniWave, Fine Pitch | N/A | 1.6mm (.064") | 1124-0039-P1 |
| | MicroFine Single Sided Chisel | N/A | 0.9mm (.035") | 1124-0040-P1 |
| | MicroFine Single Sided Chisel | N/A | 1.1mm (.045") | 1124-0041-P1 |
| | MicroFine Conical | N/A | 0.25mm (.01") | 1124-0042-P1 |
| | MicroFine Bent Conical | N/A | 0.76mm (.03") | 1124-0043-P1 |
| | MicroFine Bent Conical | N/A | 0.5mm (.02") | 1124-0044-P1 |
| | Angled Micro-Wave | N/A | 1.1mm (.045") | 1124-0045-P1 |
| | Micro-Wave | N/A | 1.1mm (.045") | 1124-0046-P1 |
| | Angled Chisel, 1.33mm | 8.4mm (0.33") | 1.33mm (0.051") | 1124-0047-P1 |
| | Single Sided Chisel, 0.3/16mm | 17.00mm (0.693") | 4.55mm (0.178") | 1124-0048-P1 |

TIPS

TD-100 SMT REMOVAL TIPS

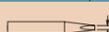
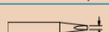
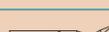
| TIP - CHIP / SOT REMOVAL | COMPONENT TYPE | SIZE - A | SIZE - B | PART NUMBER |
|---------------------------------|-------------------------|-----------------|-----------------|--------------|
| | Chip 0402 Angle (fig.A) | 2.2mm (.085") | - | 1124-0518-P1 |
| | Chip 0201 Angle (fig.A) | 0.5mm (.02") | - | 1124-0533-P1 |
| | Chip 1808 (fig.B) | 5.0mm (.195") | - | 1124-0520-P1 |
| | Chip 0402 (fig.C) | 1.0mm (.040") | - | 1124-0521-P1 |
| | Chip 0201 (fig.C) | 0.5mm (0.2") | - | 1124-0534-P1 |
| | SOT 23 (fig.D) | 1.8mm (.070") | - | 1124-0522-P1 |
| | SOT 89 (fig.E) | 2.8mm (.110") | - | 1124-0523-P1 |
| | Chip 1206 (fig.F) | 3.6mm (.142") | - | 1124-0524-P1 |
| | Chip 0805 (fig.G) | 2.4mm (.095") | - | 1124-0525-P1 |
| TIP - SOIC / SOP / TSOP REMOVAL | COMPONENT TYPE | SIZE - A | SIZE - B | PART NUMBER |
| | SOIC 14/16 | 5.2mm (.205") | 10.5mm (.415") | 1124-0504-P1 |
| | SOIC 20 | 9.6mm (.377") | 13.6mm (.535") | 1124-0505-P1 |
| | SOP 28 | 10.8mm (.426") | 18.6mm (.734") | 1124-0506-P1 |
| | SOP 40 | 11.9mm (.467") | 25.7mm (1.011") | 1124-0507-P1 |
| | SOP 44 | 13.1mm (.516") | 28.4mm (1.120") | 1124-0508-P1 |
| | TSOP 56 | 18.8mm (.739") | 14.1mm (.557") | 1124-0509-P1 |
| | TSOP 28 | 12.0mm (.471") | 8.5mm (.333") | 1124-0510-P1 |
| | SOIC 8 | 5.1mm (.202") | 4.65mm (.183") | 1124-0519-P1 |
| | TSOP 40 | 18.8mm (.740") | 10.4mm (.410") | 1124-0526-P1 |
| TIP - PLCC / QFP REMOVAL | COMPONENT TYPE | SIZE - A | SIZE - B | PART NUMBER |
| | PLCC 28 Socket | 9.3mm (.365") | 9.3mm (.365") | 1124-0511-P1 |
| | PLCC 32 | 14.2mm (.561") | 11.7mm (.459") | 1124-0512-P1 |
| | PLCC 44 | 16.8mm (.662") | 16.8mm (.662") | 1124-0513-P1 |
| | QFP 144 | 20.6mm (.810") | 20.6mm (.810") | 1124-0514-P1 |
| | PLCC 28 | 11.8mm (.465") | 11.8mm (.465") | 1124-0515-P1 |
| | QFP 100/128 | 22.0mm (.865") | 16.0mm (.628") | 1124-0516-P1 |
| | PLCC 20 | 9.3mm (.365") | 9.3mm (.365") | 1124-0527-P1 |
| | PLCC 18 | 7.6mm (.300") | 12.8mm (.505") | 1124-0528-P1 |
| | TQFP 80 | 12.5mm (.491") | 12.5mm (.491") | 1124-0529-P1 |
| | PLCC 52 | 19.4mm (.762") | 19.4mm (.762") | 1124-0530-P1 |
| | QFP 100 | 26.6mm (1.048") | 26.6mm (1.048") | 1124-0531-P1 |
| BLADE TIPS | SOLDER REMOVAL BLADES | SIZE - A | SIZE - B | PART NUMBER |
| | Blade | 10.8mm (.425") | - | 1124-0501-P1 |
| | Blade | 16.0mm (.630") | - | 1124-0502-P1 |
| | Blade | 21.2mm (.835") | - | 1124-0503-P1 |
| | Blade | 25.0mm (.984") | - | 1124-0532-P1 |

MT-100 SMT REMOVAL TIPS

| TIP - CHIP / SOT REMOVAL | COMPONENT TYPE | SIZE - A | SIZE - B | PART NUMBER |
|--------------------------|--------------------------|---------------|---------------|--------------|
| | Chip (fig.A) | 0.2mm (.008") | 0.2mm (.008") | 1124-1001-P1 |
| | Chip, SOT (fig.B) | 0.7mm (.03") | 0.5mm (.03") | 1124-1002-P1 |
| | Chip, SOT (fig.B) | 0.7mm (.03") | 1mm (.04") | 1124-1003-P1 |
| | Chip, SOT (fig.B) | 0.7mm (.03") | 2mm (.08") | 1124-1004-P1 |
| | SOIC, SOT, TSOPS (fig.C) | 0.7mm (.03") | 6mm (.24") | 1124-1005-P1 |
| | SOIC, SOT, TSOPS (fig.C) | 0.7mm (.03") | 8mm (.31") | 1124-1006-P1 |
| | SOIC, SOT, TSOPS (fig.C) | 0.7mm (.03") | 10mm (.39") | 1124-1007-P1 |
| | SOIC, SOT, TSOPS (fig.C) | 0.7mm (.03") | 13mm (.51") | 1124-1008-P1 |
| | SOIC, SOT, TSOPS (fig.C) | 0.7mm (.03") | 18mm (.74") | 1124-1009-P1 |
| | SOIC, SOT, TSOPS (fig.C) | 0.7mm (.03") | 28mm (1.09") | 1124-1010-P1 |

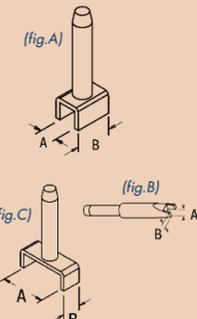
TIPS

PS-90 SOLDERING TIPS

| TIPS | DESCRIPTION | TIP SIZE | PART NUMBER |
|---|--|-----------------|--------------|
|  | 1/16" Chisel | 1.60mm (0.063") | 1121-0335-P5 |
|  | 1/32" Conical | 0.80mm (0.031") | 1121-0336-P5 |
|  | 1/8" Chisel | 3.20mm (0.125") | 1121-0337-P5 |
|  | 1/16" Chisel (MicroFine) | 1.60mm (0.063") | 1121-0349-P5 |
|  | 1/32" Chisel | 0.80mm (0.031") | 1121-0359-P5 |
|  | 3/32" Chisel | 2.40mm (0.094") | 1121-0360-P5 |
|  | 1/32" Bent Chisel | 0.80mm (0.031") | 1121-0361-P5 |
|  | 1/64" Bent Conical | 0.40mm (0.016") | 1121-0828-P5 |
|  | Single-Sided Chisel | 3.30mm (0.13") | 1121-0406-P5 |
|  | 1/16" Chisel (High Capacity) | 1.60mm (0.063") | 1121-0414-P5 |
|  | Mini-Wave | 3.30mm (0.13") | 1121-0490-P5 |
|  | 1/16" Chisel, Long Reach | 1.60mm (0.063") | 1121-0499-P5 |
|  | 1/16" Bent Chisel, Long Reach | 1.60mm (0.063") | 1121-0500-P5 |
|  | 1/16" Chisel, Extended Reach | 1.60mm (0.063") | 1121-0533-P5 |
|  | Angled Mini-Wave | 2.40mm (0.09") | 1121-0610-P5 |
|  | 1/64" Sharp Conical | 0.40mm (0.016") | 1121-0829-P5 |
|  | 1/64" Sharp Bent Conical | 0.40mm (0.016") | 1121-0830-P5 |
|  | 1/64" Sharp Conical, Extended Reach | 0.40mm (0.016") | 1121-0831-P5 |
|  | 1/64" Sharp Bent Conical, Extended Reach | 0.40mm (0.016") | 1121-0832-P5 |

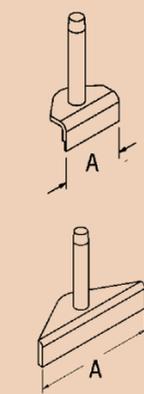
* The PS-90/PS-90N can be used with over ninety tips. The PS-90/PS-90N can be used with 4.7mm (3/16") shank diameter, Standard Life, Long Life, and SMT Rework tips, making it the most flexible, universal iron on the market today! Visit our website at www.paceworldwide.com for more details.

PS-90 SMT REMOVAL TIPS

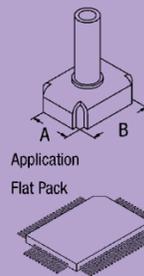
| TIPS | DESCRIPTION | TIP SIZE | PART NUMBER |
|---|---------------------------|-----------------------------------|--------------|
|  | SOIC - 8 (JEDEC) (fig.A) | 5.05mm x 5.08mm (0.199" x 0.200") | 1121-0390-P1 |
| | SOIC - 14 (JEDEC) (fig.A) | 5.05mm x 8.99mm (0.199" x 0.354") | 1121-0391-P1 |
| | SOIC - 16 (JEDEC) (fig.A) | 5.05mm x 10.2mm (0.199" x 0.404") | 1121-0392-P1 |
| | Chip Component (fig.B) | 3.56mm x 2.03mm (0.14" x 0.08") | 1121-0303-P1 |
| | TSOP (fig.C) | 19.333mm x 8.1mm (0.76" x 0.32") | 1121-0403-P1 |

TIPS

PS-90 SMT REMOVAL TIPS

| TIPS | DESCRIPTION | TIP SIZE | PART NUMBER |
|---|----------------|-------------------|--------------|
|  | Flat Blade Tip | A = 7.6mm (0.3") | 1121-0512-P1 |
| | Flat Blade Tip | A = 10.2mm (0.4") | 1121-0514-P1 |
| | Flat Blade Tip | A = 12.7mm (0.5") | 1121-0473-P1 |
| | Flat Blade Tip | A = 17.8mm (0.7") | 1121-0416-P1 |
| | Flat Blade Tip | A = 20.3mm (0.8") | 1121-0497-P1 |
| | Flat Blade Tip | A = 25.4mm (1.0") | 1121-0448-P1 |

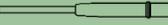
TP-65 SMT REMOVAL TIPS

| TIPS | DESCRIPTION | TIP SIZE | PART NUMBER |
|---|---------------------------------|---------------------------------|------------------|
|  | FlatPack Tip | 15.5mm x 21.6mm (0.61" x 0.85") | 1121-0322-001-P1 |
| | FlatPack Tip | 16.8mm x 22.9mm (0.66" x 0.90") | 1121-0322-002-P1 |
| | PQFP-68 Tip (bumper pack) | 15.7mm x 15.7mm (0.62" x 0.62") | 1121-0323-P1 |
| | PQFP-64/80 (non-bumper pack) | 15.7mm x 15.7mm (0.62" x 0.62") | 1121-0484-P1 |
| | PQFP-84 Tip | 18.3mm x 18.3mm (0.72" x 0.72") | 1121-0324-P1 |
| | PQFP-100 Tip | 20.8mm x 20.8mm (0.82" x 0.82") | 1121-0325-P1 |
| | PQFP-132 Tip | 25.9mm x 25.9mm (1.02" x 1.02") | 1121-0326-P1 |
| | PQFP-144 | 29.2mm x 29.2mm (1.15" x 1.15") | 1121-0456-P1 |
| | PQFP-208 | 30.0mm x 30.0mm (1.18" x 1.18") | 1121-0544-P1 |
| | PQFP-160 Tip | 31.0mm x 31.0mm (1.22" x 1.22") | 1121-0351-P1 |
| PQFP-196 | 36.3mm x 36.3mm (1.43" x 1.43") | 1121-0483-P1 | |
| Vacuum Cups | | | |
| | Small | 4.4mm (0.195") | 1121-0382-P5 |
| | Medium | 7.62mm (0.300") | 1121-0383-P5 |
| | Large | 12.7mm (0.500") | 1121-0384-P5 |
| | Kit (with 3 cups) | Includes one of each size | 6993-0153-P1 |

Note: The TP-65 ThermoPik requires an SX Tip & Tool Stand.

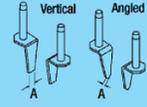
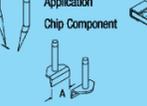
TIPS

SX-80 ENDURA DESOLDERING TIPS & SOLDER REMOVAL TIPS

| ENDURA TIPS | DESCRIPTION | TIP SIZE | PART NUMBER |
|---|-----------------------------|---|--------------|
|  | Thermo-Drive | 0.76mm (0.030") I.D. X 2.03mm (0.080") O.D. | 1121-0625-P5 |
| | Thermo-Drive | 1.02mm (0.040") I.D. X 2.29mm (0.090") O.D. | 1121-0624-P5 |
| | Thermo-Drive | 1.52mm (0.060") I.D. X 3.05mm (0.120") O.D. | 1121-0626-P5 |
| | Thermo-Drive | 2.29mm (0.090") I.D. X 5.1mm (0.200") O.D. | 1121-0627-P5 |
|  | Thermo-Drive, Flathead | (0.050") x (0.090") I.D. X (0.110") x (0.190") O.D. | 1121-0821-P5 |
| | Extended Reach Thermo-Drive | 0.76mm (0.030") I.D. X 2.29mm (0.090") O.D. | 1121-0628-P5 |
| | | 1.02mm (0.040") I.D. X 2.54mm (0.10") O.D. | 1121-0629-P5 |
|  | Extended Reach Thermo-Drive | 1.52mm (0.060") I.D. X 3.05mm (0.120") O.D. | 1121-0630-P5 |
| | Precision | 0.50mm (0.020") I.D. X 1.79mm (0.070") O.D. | 1121-0680-P5 |
| | | 0.76mm (0.030") I.D. X 2.03mm (0.080") O.D. | 1121-0678-P5 |
| 1.02mm (0.040") I.D. X 2.29mm (0.090") O.D. | | 1121-0679-P5 | |
| 1.52mm (0.060") I.D. X 2.79mm (0.110") O.D. | | 1121-0690-P5 | |
|  | Flo-D-Sodr | 1.52mm (0.060") I.D. X 4.78mm (0.188") O.D. | 1121-0631-P5 |
| | Flo-D-Sodr, Precision | 0.50mm (0.020") I.D. X 1.78mm (0.070") O.D. | 1121-0681-P5 |
| | | 0.76mm (0.030") I.D. X 2.03mm (0.080") O.D. | 1121-0682-P5 |
| | | 1.02mm (0.040") I.D. X 2.29mm (0.090") O.D. | 1121-0683-P5 |
| | | 1.52mm (0.060") I.D. X 2.79mm (0.110") O.D. | 1121-0690-P5 |

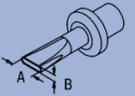
TIPS

TT-65 SMT REMOVAL TIPS

| TIPS | DESCRIPTION | TIP SIZE A x B | PART NUMBER |
|--|--|---------------------------------|--------------|
|  <p>Standard Wall: Thickness = 1.3mm (0.050")</p> <p>Application Chip Component</p>  <p>Thin-Wall: Thickness = 0.43mm (0.017")</p> <p>Application Chip Component</p>  <p>Application Chip Component</p>  <p>Application</p>  <p>Application</p>  <p>Application</p> | Surface Mount Component Removal Tips | | |
| | Chip Component (vertical) | A=0.76mm (0.03") | 1121-0398-P1 |
| | Chip Component (vertical) | A=2.0mm (0.08") | 1121-0313-P1 |
| | Chip Component (vertical) | A=4.1mm (0.16") | 1121-0399-P1 |
| | Chip Component (vertical) Small SOIC | A=6.4mm (0.25") | 1121-0401-P1 |
| | Thin-Walled Chip Component (vertical) | A=0.76mm (0.03") | 1121-0520-P1 |
| | Thin-Walled Chip Component (vertical) | A=2.0mm (0.08") | 1121-0521-P1 |
| | Thin-Walled Chip Component and Small SOIC (vertical) | A=6.4mm (0.25") | 1121-0523-P1 |
| | 1/64" Angled Fine Point Conical | A=0.43mm (0.017") | 1121-0517-P1 |
| | Chip Component | | |
| | SOIC Components | A=10.2mm (0.4") | 1121-0514-P1 |
| | SOIC, SOJ, SIMMs Component A | =12.7mm (0.5") | 1121-0473-P1 |
| | | A=17.8mm (0.7") | 1121-0416-P1 |
| | A=20.3mm (0.8") | 1121-0497-P1 | |
| | A=25.4mm (1.0") | 1121-0448-P | |
| Surface Mount Connectors | A=31.8mm (1.25") | 1121-0495-P1 | |
| PLCC/PQFP Removal Tips | | | |
|  <p>Standard Wall: Thickness = 1.3mm (0.050")</p> <p>Application PLCC</p> <p>The ThermoTweez can also remove leadless components (LCCs) if sized correctly.</p> <p>PQFP</p> | PLCC-20 | 6.86mm x 6.86mm (0.27" X 0.27") | 1121-0316-P1 |
| | PLCC-28 | 9.4mm x 9.4mm (0.37" x 0.37") | 1121-0317-P1 |
| | PLCC-32 | 12.2mm x 9.65mm (0.48" x 0.38") | 1121-0352-P1 |
| | PLCC-44, PQFP-84 | 14.5mm x 14.5mm (0.57" x 0.57") | 1121-0318-P1 |
| | PLCC-52, PQFP-100 | 17.0mm x 17.0mm (0.67" x 0.67") | 1121-0319-P1 |
| | PLCC-68, PQFP-132 | 21.9mm x 21.9mm (0.86" x 0.86") | 1121-0320-P1 |
| | PLCC-84, PQFP-160 | 26.9mm x 26.9mm (1.06" x 1.06") | 1121-0321-P1 |

TIPS

TJ-70 NOZZLE TIPS

| TIPS | DESCRIPTION | TIP SIZE A x B | PART NUMBER |
|---|---------------------------------|---|--------------|
|  | Small, Straight, Single Jet Tip | 0.060" I.D. | 1121-0366-P1 |
|  | Small, Curved, Single Jet Tip | 0.060" I.D. | 1121-0338-P1 |
|  | SOIC Tip (dual-jet) | A = 4.32mm (0.17") | 1121-0330-P1 |
|  | Flat End Tip | A = 7.11mm (0.28") B = 1.88mm (0.074") | 1121-0365-P1 |
| | | A = 6.10mm (0.24") B = 1.88mm (0.074") | 1121-0371-P1 |

TJ-80 HOT JET NOZZLES

| TIPS | DESCRIPTION | TIP SIZE A x B | PART NUMBER |
|---|-------------------------------|--|--------------|
|  | Round Nozzle | 1.5mm (.06") Inner diameter | 1259-0129-P1 |
|  | Round Nozzle, Bent 60 degrees | 1.5mm (.06") Inner diameter | 1259-0130-P1 |
|  | Flat Jet Nozzle | 6.1mm x 1.9mm (.24" X .074") Inner flow dimensions | 1259-0131-P1 |

CONDUCTIVE SYSTEMS & POWER SOURCES

Now that you have identified your applications and selected the appropriate handpiece(s), you now need to choose the Power Source(s) to connect the handpieces to. To determine which handpieces can be connected to which power sources, please refer to the table below. The details and specifications for each power source follow the table.

| Handpiece Options | Power Source Options | | | | | Pump Options | |
|-------------------------------|----------------------|-------|-------|--------|--------|--------------|--------|
| | HW 50 | ST 25 | ST 45 | ST 125 | ST 145 | Lo-Flo | Hi-Flo |
| HeatWise Handpieces | | | | | | | |
| TD-100 | ▲ | | | | | | |
| MT-100 | ▲ | | | | | | |
| SensaTemp Handpieces | | | | | | | |
| PS-90 | | ▲ | ▲ | ▲ | ▲ | | |
| SX-80 | | ▲ | ▲ | ▲ | ▲ | | ▲ |
| TT-65 | | ▲ | ▲ | ▲ | ▲ | | |
| TJ-70 | | ▲ | ▲ | ▲ | ▲ | | ▲ |
| TJ-80 | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| TP-65 | | ▲ | ▲ | ▲ | ▲ | | ▲ |
| Non-Powered Handpieces | | | | | | | |
| PV-65 | | | | ▲ | ▲ | ▲ | |

▲ = Compatible with Power Source/pump ▲ = Must be used in conjunction with ST 125 or ST 145 via Tek-Link cable for Pump/Vacuum functions

HW 50 HEATWISE® SOLDERING SYSTEM

The HW 50 is a single channel HEATWISE® technology based power supply that comes with the Thermo-Drive Soldering Iron (TD-100). The system can also be used with the MINITWEEZ (MT-100). Using Power Modules, the system is the easiest to operate. Simply select the performance level you

desire, plug in the appropriate Power Module, and the system takes care of the rest! The HW 50 improves quality, reduces costs and eliminates the maintenance and calibration hassles associated with other systems. The heavy-duty metal housing makes this system the ideal choice for the

harshest environments and long life. An optional mounting bracket is available that allows it to be mounted under a work-bench or shelf, preserving precious bench top space. An optional Instant-SetBack Chubby is available for use with the HW 50 and the TD-100 Thermo-Drive Soldering Irons.



▲ HW 50

▲ FEATURES

- ▲ **HEATWISE® Technology**
- ▲ **No calibration required**
- ▲ **Performance level lockout (if Power Module is removed, the system is shut down)**
- ▲ **ESD grounding jack**
- ▲ **ESD Safe metal housing**
- ▲ **Stackable**
- ▲ **Can be mounted under workbench or shelf with optional bracket**



▲ POWER MODULES

▲ SPECIFICATIONS

| | |
|--------------------------------|--|
| Part Numbers | 8007-0425 HW 50 8007-0426 HW 50E |
| Power Requirements: | 97-127 VAC, 50/60 Hz, 90 Watts max. 197-253 VAC, 50/60 Hz, 80 Watts max |
| Dimensions: | 104mm H x 130mm W x 152mm D (4.1" H x 5.1" W x 6.0" D) |
| Weight: | 2.3 Kg (5 lbs.) |
| Tip to ground resistance: | 2 ohms or less |
| Temperature stability: | ± 1.1 °C (± 2 °F) at idle tip temp. |
| Absolute Temperature Stability | Meets or exceeds ANSI-J-STD 001 |
| Available Power Modules: | 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5 |



▲ OPTIONAL INSTANT-SETBACK CUBBY

The optional Instant-SetBack Cubby is available for use with the HW 50. When connected, it automatically puts the system into SetBack mode when the TD-100 is placed in the cubby. Setback mode means that the power applied to the handpiece is reduced to 176 °C (350 °F) which maximizes the life of your tips! The part number for the Instant-Setback Cubby is 6019-0071-P1

CONDUCTIVE SOLDERING POWER SOURCES

Sodr-Tek offers four power supplies to control conductive handpieces and air pencils handpieces. All power sources feature SensaTemp temperature control technology. SensaTemp improves quality, reduces cost,

eliminates routine maintenance and the need to calibrate! The ESD safe, durable metal housings ensure years of service and the sloped face of the front panels is a standard feature for ease of use.

All systems are "stackable" to reduce the "foot print" on the benchtop, fitted with an ESD grounding jack, and are Tek-Link compatible. (See Page 18).

ANALOG POWER SOURCES - EASY TO USE!

The ST 25 is a single channel system without contained vacuum or pressure capability, that is available with the Universal Soldering Iron (PS-90) or as a power source only (PSO) so you can choose the appropriate handpiece. See Chart on Page 15 for compatible handpieces.

ST 25 SPECIFICATIONS

| | |
|--------------------------------|--|
| Part Numbers | 8007-0445 ST 25 w/ PS-90 8007-0446 ST 25E w/ PS-90 8007-0441 ST 25 PSO 8007-0442 ST 25E PSO |
| Power Requirements: | 97-127 VAC, 50/60 Hz, 90 Watts max. 197-253 VAC, 50/60 Hz, 80 Watts max. |
| Dimensions: | 104mm H x 130mm W x 152mm D (4.1" H x 5.1" W x 6.0" D) |
| Weight: | 2.3 Kg (5 lbs.) |
| Tip to ground resistance: | 2 ohms or less |
| Temperature Stability: | ± 1.1 °C (± 2 °F) at idle tip temp. |
| Absolute Temperature Stability | Meets or exceeds ANSI-IJ-STD |
| Temperature Range: | 176° to 482 °C (350° to 900 °F) nominal |

ST 25 shown with PS-90 Iron



ST 25 FEATURES

- ▲ Analog (dial) control
- ▲ °C/°F on dial display
- ▲ Temperature lockout

DIGITAL POWER SOURCES - UNBEATABLE FEATURES AT AN UNBELIEVEABLE PRICE!

The ST 45 is a single channel, programmable system without contained vacuum or pressure capability. The ST 45 is available with the Universal Soldering Iron (PS-90) or as a power source only (PSO) so you can choose the appropriate handpiece. See Chart on Page 15 for compatible handpieces.

ST 45 SPECIFICATIONS

| | |
|--------------------------------|--|
| Part Numbers | 8007-0447 ST 45 w/ PS-90 8007-0448 ST 45E w/ PS-90 8007-0443 ST 45 PSO 8007-0444 ST 45E PSO |
| Power Requirements: | 97-127 VAC, 50/60 Hz, 90 Watts max. 197-253 VAC, 50/60 Hz, 80 Watts max. |
| Dimensions: | 104mm H x 130mm W x 152mm D (4.1" H x 5.1" W x 6.0" D) |
| Weight: | 2.3 Kg (5 lbs.) |
| Tip to ground resistance: | 2 ohms or less |
| Temperature Stability: | ± 1.1 °C (± 2 °F) at idle tip temp. |
| Absolute Temperature Stability | Meets or exceeds ANSI-IJ-STD |
| Temperature Range: | 176° to 482 °C (350° to 900 °F) nominal |

ST 45 shown with PS-90 Iron



ST 45 FEATURES

- ▲ Digital control with LED display and keypad
- ▲ °C/°F display options
- ▲ Password temperature lockout
- ▲ Temperature Setback & Auto-Off
- ▲ User definable operating temperature range

An optional mounting bracket (P/N 1321-0609-P1) is available for the ST 25 & ST 45 to mount the power source under a work-bench or shelf, preserving precious bench top space.

CONDUCTIVE REWORK & AIR PENCIL POWER SOURCES

The ST 125 & ST 145 come standard with PACE's patented SNAPVAC desoldering technology to ensure quick, clean removal of solder from any through hole joint. The HiFlo pump is so powerful that you

won't lose vacuum in continuous use applications when removing residual/excess solder from surface mount leads. The LoFlo pump is ideal for vacuum wands and for supplying slow moving,

low volume air streams for delicate micro/minature applications such as when installing 0402s and 0201s!

The ST 125 is a single channel power source with pressure/vacuum capability. It is sold as a power source only so you can choose the right tools for your job! See Chart on Page 15 for compatible handpieces.

ST 125 SPECIFICATIONS

| | |
|--------------------------------|---|
| Part Numbers | 8007-0421 ST 125 (PSO) 8007-0422 ST 125E (PSO) |
| Power Requirements: | 97-127 VAC, 50/60 Hz, 120 Watts max. 197-253 VAC, 50/60 Hz, 120 Watts max. |
| Dimensions: | 134mm H x 264mm W x 204mm D (5.25" H x 10.4" W x 8" D) |
| Weight: | 4.2Kg (9.25lbs.) |
| Tip to ground resistance: | 2 ohms or less |
| Temperature Stability: | ± 1.1 °C (± 2 °F) at idle tip temp. |
| Absolute Temperature Stability | Meets or exceeds ANSI-IJ-STD |
| Temperature Range: | 176° to 482 °C (350° to 900 °F) nominal |

ST 125 shown with SX-80 Sodr-X-Tractor



ST 125 FEATURES

- ▲ Analog control
- ▲ °C/°F dial display options
- ▲ Temperature lockout
- ▲ Lo-Flo Pump
- ▲ Hi-Flo Pump with patented Snap-Vac Technology

The ST 145 is a fully programmable, single channel power source with pressure/vacuum capability. It is sold as a power source only so you can choose the right tools for your job! See Chart on Page 15 for compatible handpieces.

ST 145 SPECIFICATIONS

| | |
|--------------------------------|---|
| Part Numbers | 8007-0423 ST 145 (PSO) 8007-0424 ST 145E (PSO) |
| Power Requirements: | 97-127 VAC, 50/60 Hz, 120 Watts max. 197-253 VAC, 50/60 Hz, 120 Watts max. |
| Dimensions: | 134mm H x 260mm W x 248mm D (5.25" H x 10.25" W x 9.75" D) |
| Weight: | 4.2Kg (9.25lbs.) |
| Tip to ground resistance: | 2 ohms or less |
| Temperature Stability: | ± 1.1 °C (± 2 °F) at idle tip temp. |
| Absolute Temperature Stability | Meets or exceeds ANSI-IJ-STD |
| Temperature Range: | 176° to 482 °C (350° to 900 °F) nominal |

ST 145 shown with SX-80 Sodr-X-Tractor



ST 145 FEATURES

- ▲ Digital control with LED display and keypad
- ▲ °C/°F display options
- ▲ Password temperature lockout
- ▲ Temperature Setback & Auto-Off
- ▲ User definable operating temperature range
- ▲ Hi-Flo Pump with Patented Snap-Vac Technology
- ▲ Lo-Flo Pump

CONDUCTIVE SYSTEMS & POWER SOURCES

TEK-LINK

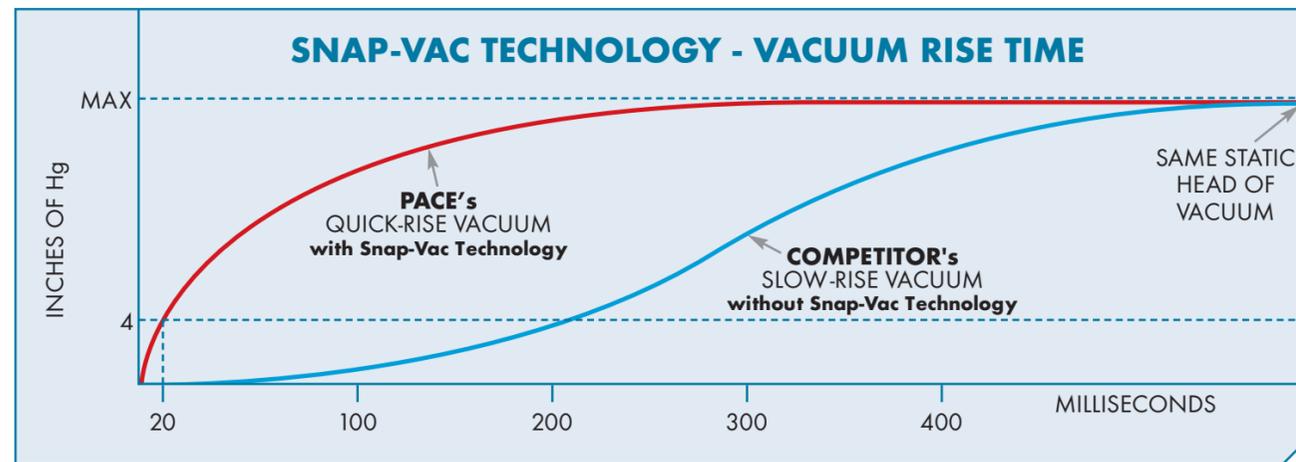
Tek-Link is a unique integration feature that gives maximum flexibility to conductive ST systems. Tek-Link allows the Hi-Flo pump in the ST 125/ST 145 to be activated by the handpiece switch while plugged into the ST 25/ST 45 system. For example, when a Tek-Link cable (1332-0252-P1) is installed between an ST25/45 and an ST125/145, handpieces that require airflow or vacuum from the Hi-Flo pump can be powered by the ST 25/ST 45 while the air connection is plugged into the Hi-Flo pump on the ST 125/ST 145. Up to three single channel systems can be connected to one ST 125/ST 145 using Tek-Link with the optional Tek-Link Multiplex Box (6000-0286-P1)



Optional Teklink Multiplex Box

SNAP-VAC TECHNOLOGY

Snap-Vac technology is a patented feature that assures the fastest rise time when desoldering which ensures that 1) all of the molten solder is pulled from the joint and 2) that it is pulled back into the collection chamber before it solidifies to prevent tip clogging.



MAXIMIZING TIP LIFE...

PACE recommends the following practices to maximize tip life.

1. Always use the lowest possible temperatures while soldering. High temperatures cause tips to oxidize faster, which reduces heat transfer and damages the protective iron plating.
2. Avoid aggressive fluxes whenever possible. Aggressive fluxes erode tips faster; shortening their useful life.
3. Always use a properly sized tip for the work. Tips that are too small, will wear out faster and tips that are too large will wear unevenly which, in turn, will change the tip geometry rendering it useless.
4. Always tin tips when not in use and after cleaning on a damp sponge. A coating of solder will prevent oxidation from forming which causes tips to lose their tinning or wetting capability.
5. Always feed solder wire into the heated work, not the tip. Feeding solder directly into the tip will cause pin-holes in the tip and will cause the flux in the solder wire to be burned off before it can activate and prepare the surfaces being soldered.



Should tips lose their tinning or wetting capability, a tip cleaner such as Sodr-Tek's Tip-Brite may be used to restore them.

CONVECTIVE SYSTEMS

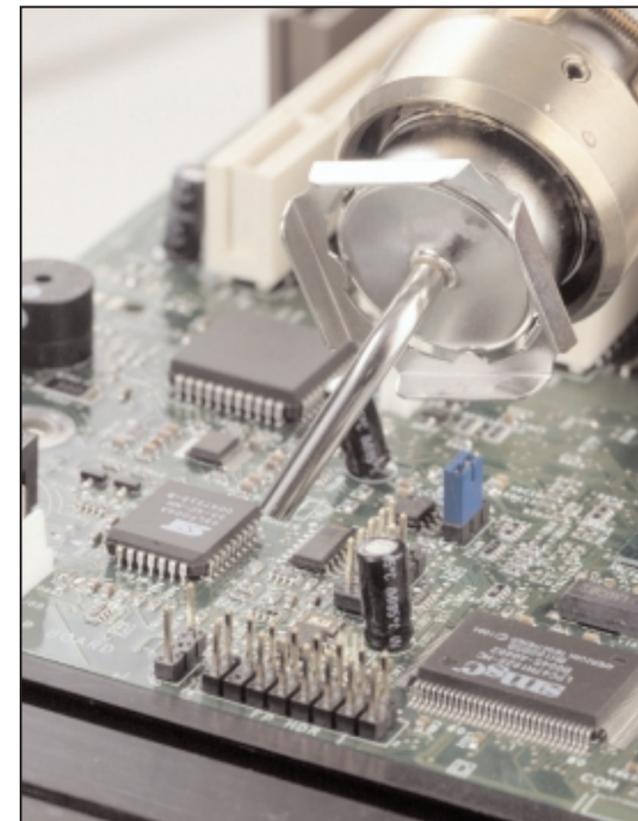
Convective systems use Hot Air to reflow solder joints and are often thought of as a "safer" method for removing and installing components from PCBs because of the non-contact process. These systems use a pump to generate airflow that first passes through a heater, where it is warmed to the appropriate temperature, and then through a nozzle that "shapes" the air stream for the specific component. More than 75 different nozzles are available for Sodr-Tek

Systems! Convective systems are ideal for removing Surface Mount Components as they leave little residual solder on the PCB when compared to conductive techniques. They are also appropriate for installing leaded components with solder paste and for installing components without visible leads, such as BGAs, MLFs, LGAs, and LCCs. The ideal system and accessory items depend on the application, component sensitivity, component

type and other factors. For high mass applications and for components without visible leads, it is strongly recommended that a preheater and PCB holder be used in conjunction with the convective system to ensure thorough heating and to eliminate PCB damage and warping. Sodr-Tek is pleased to offer three systems to meet your exacting specifications. Please refer to the table below to assist with system selection.

CONVECTIVE SYSTEM SELECTION CHART

| Applications | ST 300 | ST 325 | ST 350 |
|--|--------|--------|--------|
| Standard Pitch Component Removal | ▲ | ▲ | ▲ |
| Fine Pitch Component Removal | ▲ | ▲ | ▲ |
| Standard Pitch Area Array Component Removal | ▲ | ▲ | ▲ |
| Fine Pitch Area Array Component Removal | ▲ | ▲ | ▲ |
| Standard Pitch Component Installation | ▲ | ▲ | ▲ |
| Fine Pitch Component Installation | ▲ | ▲ | ▲ |
| Standard Pitch Area Array Component Installation | ▲ | ▲ | ▲ |
| Fine Pitch Area Array Component Installation | ▲ | ▲ | ▲ |



ST 300 reflowing a PLCC



ST 350 Reflowing a BGA Component

CONVECTIVE SMT SYSTEMS

LOW COST HOT AIR REFLOW SYSTEM



ST 300

The ST 300 is the simplest and least costly system. The ST 300 can be used to remove any SMD and for installing components with a limited number of leads that can be positioned manually. The ST 300 is a self-contained system with analog (dial) controls for temperature and airflow. The heavy-duty, durable metal housing ensures years of service and the sloped face of the front panel is a standard feature for ease of use. Other ST systems can be stacked on to the ST 300 to preserve bench space. Both cycle start and vacuum functions are activated with conveniently located switches on the handpiece. The ST 300 features the Quiet-Flo turbine for close to silent operation.

Additionally, the system comes with the Lo-Flo pump and the vacuum wand (PV-65) for manipulating components manually. The capabilities of the ST 300 can be greatly enhanced when coupled with the ST 500, ST 525, or ST 550. Optional Nozzle Storage Rack 6019-0072-P1, holds 13 nozzles.



ST 300 Front Panel

FEATURES

- ▲ Lockable Temperature and Airflow adjustment knobs
- ▲ Automatic shut off for safety
- ▲ Functional LED Indicator lights on front panel
- ▲ Quiet-Flo turbine blower reduces operating noise
- ▲ Hi-Flo Vacuum Pump for holding component securely
- ▲ Lo-Flo Vacuum Pump for component wand

SPECIFICATIONS

| | |
|------------------------|---|
| Part Numbers | 8007-0427 ST 300 8007-0428 ST 300E |
| Power Requirements: | 97-127 VAC, 50/60 Hz, 575 Watts max. 197-253 VAC, 50/60 Hz, 575 Watts max. |
| Dimensions: | 134mm H x 245mm W x 264mm D (5.25" H x 10" W x 10.4" D) |
| Weight: | 4.3Kg (9.5lbs.) |
| Temperature Control: | Closed loop temperature control |
| Temperature stability: | ± 9 °C (± 15 °F) at idle tip temp. |
| Temperature Range: | 176 ° to 482 °C (350 ° to 900 °F) nominal |
| Airflow: | 5-22 slpm |

DO YOU HAVE TIME TO WASTE?

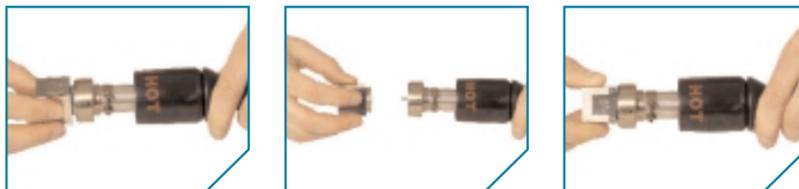
The handpiece features the only "Quick Fit Nozzle Adaptor" available anywhere. This unique feature allows nozzles to be fitted or replaced in a snap, without struggling with a screwdriver and hot heater.

Minutes with Competitor's inferior nozzle installation method



Competitor's inferior nozzle connecting method

Seconds with PACE's QuickFit Nozzle Adapter System



PACE's QuickFit Nozzle Adaptor System

CONVECTIVE SMT SYSTEMS

DIGITAL PROGRAMMABLE HOT AIR REFLOW SYSTEM

The ST 325 is a digital, self-contained system that is fully programmable and can be used to remove or install surface mount components when individual or multiple operations are to be run. From the front panel, the system can be used in either manual or "timed" modes. Manual mode means that the system generates heated airflow when the cycle button is pressed; when it is pressed a second time the system shuts off. "Timed" modes allow the operator to create up to 20 "Profiles" that consist of time and temperatures parameters to ensure process control and repeatability. Both cycle start and vacuum functions are activated with conveniently located switches on the handpiece.

The ST 325 comes standard with one K-type thermo-couple input that can be used to monitor the thermal environment at the work site with optional software. The system also comes with the Lo-Flo pump and the vacuum wand (PV-65) for manipulating components manually. The heavy-duty, durable metal housing ensures years of service and the sloped face of the front panel is a standard feature for ease of use. Other ST systems can be stacked on to the ST 325 to preserve bench

space. The capabilities of the ST 325 can be used to remove or install just about any type of standard pitch surface mount component when coupled with the ST 500, ST 525, or ST 550.

When additional programming capability is required, such as 4 zone profile creation, an optional software package is available that can be used with a Pocket PC, PC, or laptop (1199-0019-P1). The optional software package further allows the ST 325 to control the ST 450 Preheater when bottom side heating of the PCB is required. Once the 4 zone profiles have been created with the software, they can be downloaded to the ST 325 and can be run WITHOUT the Pocket PC, PC, or laptop being connected!

The system can install standard BGA packages when fitted with the ST 500, ST 525 or ST 550, ST 450 or ST 400, and the optional Pocket PC, PC, or laptop software.

Area array components are aligned using a proven, reliable template method that is easy to use.



ST 325



ST 325 Front Panel

FEATURES

- ▲ Multi-level password lock-out prevents unauthorized changes
- ▲ User definable temperature zone
- ▲ Audible countdown timer for end of cycle indication in the Timed and Program modes
- ▲ On-screen display of parameters (temperature, time) during operation
- ▲ Store and recall up to 20 profiles (40 with optional software)
- ▲ Quiet-Flo turbine blower offers nearly silent operation
- ▲ Hi-Flo Vacuum Pump for holding component securely
- ▲ Lo-Flo Vacuum Pump for component wand

SPECIFICATIONS

| | |
|------------------------|---|
| Part Numbers | 8007-0429 ST 325 8007-0432 ST 325E |
| Power Requirements: | 97-127 VAC, 50/60 Hz, 575 Watts max. 197-253 VAC, 50/60 Hz, 575 Watts max. |
| Dimensions: | 134mm H x 245mm W x 264mm D (5.25" H x 10" W x 10.4" D) |
| Weight: | 4.5Kg (9.9lbs.) |
| Temperature Control: | Closed loop, digital temperature control |
| Temperature Stability: | ± 9 °C (± 15 °F) at idle tip temp. |
| Temperature Range: | 176 ° to 482 °C (350 ° to 900 °F) nominal |
| Airflow: | 5-22 slpm |



Patented, Adjustable, Spring Loaded vacuum Pik

Patented, Adjustable, Spring Loaded Vacuum Pik - The handpiece is fitted with an adjustable, spring loaded vacuum pik to lift components from the PCB and to hold the component in the nozzle during alignment. The "give" in the spring loading is set, but the absolute position of the vacuum pik is adjustable over a 1.5" length.

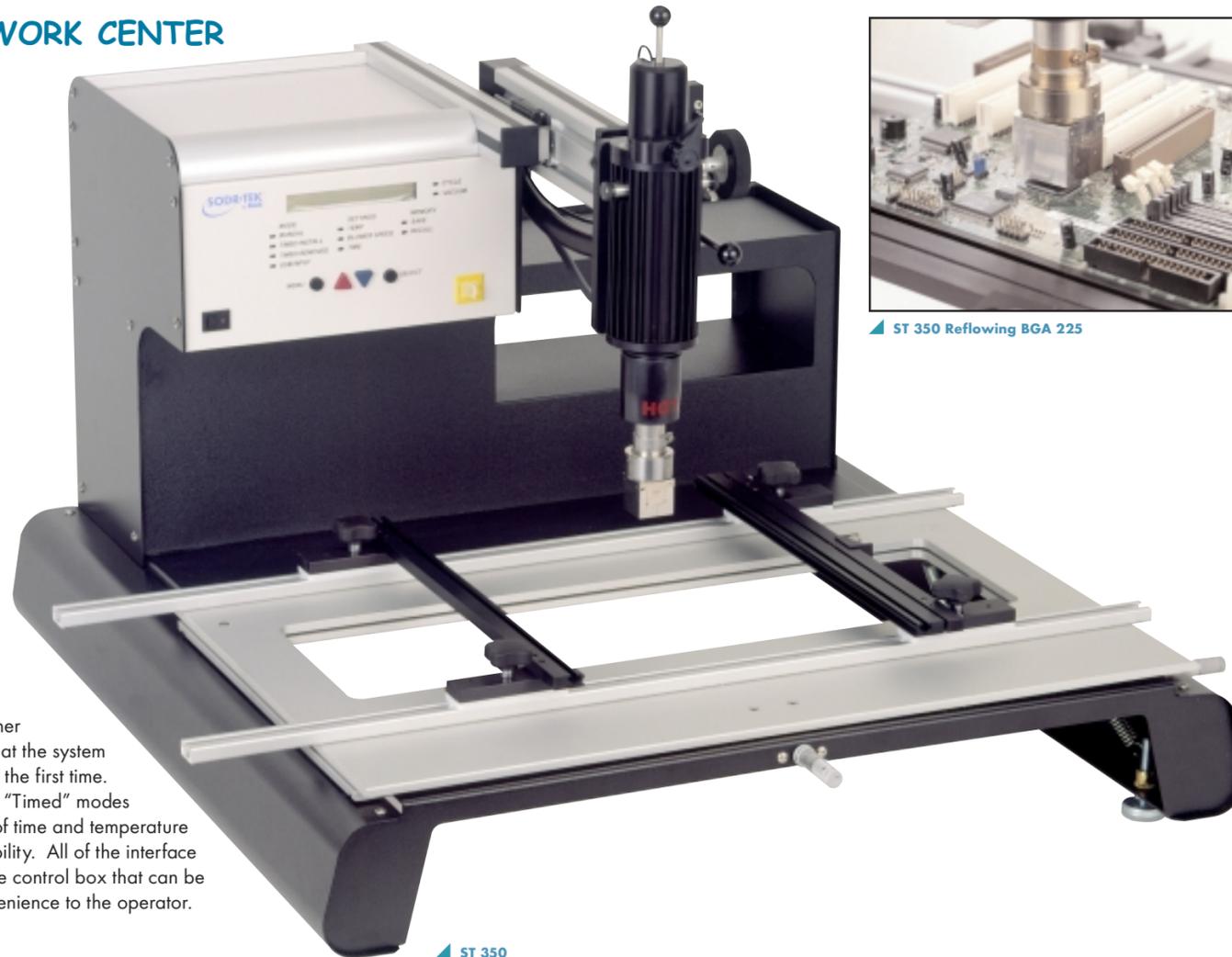
CONVECTIVE SMT SYSTEMS

ST 350 CONVECTIVE REWORK CENTER

The ST 350 is the ultimate in cost effective, programmable, convective rework equipment. No other system on the market at the same price level can compete! The system is completely self-contained and is capable of installing virtually any type of surface mount component. The system is ideal for service centers, prototyping shops, low volume production or remanufacturing centers that want to purchase a single piece of equipment that can handle just about anything!

The ST 350 has all of the process control built into the unit and boasts digital controls for temperature, time, and airflow. The electronic controls are fully integrated and are simple to use and program to meet your needs, unlike the "off the shelf PID control modules" used on competitive equipment. This means that you can "set it and forget it" instead of being tied to the unit to perform tasks during the process which can be more than 6 minutes long! Your time can be better spent preparing for the next operation than waiting to activate non-integrated control modules.

From the front panel, the system can be used in either manual or "timed" modes. Manual mode means that the system generates airflow when the cycle button is pressed the first time. When pressed a second time, the system shuts off. "Timed" modes allow the operator to set up "Profiles" that consist of time and temperature parameters to ensure process control and repeatability. All of the interface controls for the ST 350 are also located in a remote control box that can be placed on either side of the unit for maximum convenience to the operator.



ST 350

CONVECTIVE SMT SYSTEMS



ST 350 Reflowing BGA 225

The reflow head features Theta rotation for alignment, Z axis motion as well as Y axis motion so the reflow head can be moved safely out of the way so it doesn't interfere with the operator's ability to see while the component land site is being dressed, cleaned, or inspected. The standard PCB holder is capable of holding a PCB that is 457mm X 457mm (18" x 18") and has micrometer adjustments in the X and Y directions for easy alignment.

The ST 350 features the Quiet-Flo turbine and has one K-type thermo-couple input that can be used to monitor the thermal environment at the work site with optional software. Additionally, the system comes standard with the Lo-Flo pump and the vacuum wand (PV-65) for manipulating components manually.

When additional programming capability is required, such as 4 zone profile creation for area array components, an optional software package is available that can be used with a Pocket PC, PC, or laptop (1199-0019-P1). The optional software package further allows the ST 350 to control the ST 450 Preheater when bottom side heating of the PCB is required. Up to three preheaters (any combination of ST 400s and ST 450s) can be placed under the PCB holder. After 4 zone profiles have been created with the optional software, they can be downloaded to the ST 350 and can be run WITHOUT the Pocket PC, PC, or laptop being connected! Area array components are aligned using a proven, reliable template method that is easy to use.

SPECIFICATIONS

| | |
|------------------------|---|
| Part Numbers | 8007-0437 ST 350 8007-0438 ST 350E |
| Power Requirements: | 97-127 VAC, 50/60 Hz, 575 Watts max. 197-253 VAC, 50/60 Hz, 575 Watts max. |
| Dimensions: | 578mm H x 930mm W x 665mm D (22.75" H x 36.75" W x 26.25" D) |
| Weight: | 26.4Kg (58lbs.) |
| Temperature Control: | Closed loop, digital temperature control |
| Temperature Stability: | ± 9°C (± 15 °F) at idle tip temp. |
| Temperature Range: | 176° to 482°C (350° to 900°F) nominal |
| Airflow: | 5-22 slpm |

FEATURES

- ▲ Multi-level password lock-out prevents unauthorized changes
- ▲ User definable temperature zone
- ▲ Audible countdown timer for end of cycle indication in the Timed and Program modes
- ▲ Store and recall up to 20 profiles (40 with optional software)
- ▲ Quiet-Flo turbine blower offers nearly silent operation
- ▲ On-screen display of parameters (temperature, time) during operation
- ▲ Integrated PCB holder with micrometer adjustments.

FEATURED ITEMS



Reflow head moves back and out of the way to give you clear PCB access for board prep and clean up.



Fast and repeatable nozzle height adjustment with mechanical stop for consistency of process.



PACE UNIQUE FEATURE (Twist) Simple coplanarity adjustment allows for extract nozzle adjustment, much better than fixed head systems.



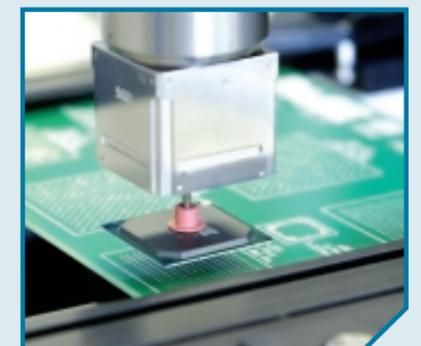
PACE UNIQUE FEATURE Simple coplanarity adjustment allows for extract nozzle adjustment, much better than fixed head systems.



BGA alignment is easy with PACE's proven template alignment method.



ST 350 holding QFP component



ST 350 holding BGA component

CONVECTIVE SYSTEM NOZZLES

THESE NOZZLES ARE FOR USE WITH THE ST 300, ST 325 & ST 350

| BGA NOZZLES | COMPONENT | BGA SIZE (NOMINAL) | PART NUMBER |
|---|---------------------------------|-----------------------------------|-------------|
|  | BGA-204/225/256/272/292/320/324 | 27mm x 27mm (1.1" x 1.1") | 4028-5001 |
| | BGA-169/168 | 23mm x 23mm (0.91" x 0.91") | 4028-5002 |
| | BGA-313/352 | 35mm x 35mm (1.38" x 1.38") | 4028-5003 |
| | BGA-144 | 13mm x 13mm (0.51" x 0.51") | 4028-5004 |
| | BGA-121/196 | 15mm x 15mm (0.59" x 0.59") | 4028-5005 |
| | BGA-86 | 16.25mm x 17.75mm (0.64" x 0.70") | 4028-5006 |
| | BGA-68 | 13.45mm x 14.97mm (0.53" x 0.59") | 4028-5007 |
| | BGA-32 | 10.42mm x 10.42mm (0.41" x 0.41") | 4028-5008 |
| | BGA-40/44 | 11.97mm x 13.21mm (0.47" x 0.52") | 4028-5009 |
| | BGA-18 | 8.64mm x 8.90mm (0.34" x 0.35") | 4028-5010 |
| | BGA-292/357/361 | 25mm x 25mm (0.99" x 0.99") | 4028-5011 |
| | BGA-421/432/736 | 40mm x 40mm (1.57" x 1.57") | 4028-5012 |
| | BGA-560 | 42.5mm x 42.5mm (1.67" x 1.67") | 4028-5013 |
| | BGA-240/304/432 | 31mm x 31mm (1.22" x 1.22") | 4028-5014 |
| | BGA-256 | 17mm x 17mm (0.67" x 0.67") | 4028-5015 |
| | BGA-252/255/256 | 21mm x 21mm (0.83" x 0.83") | 4028-5016 |
| | BGA (Short Adpt.) | 21mm x 21mm (0.83" x 0.83") | 4028-5017 |
| | BGA-479/493/584 | 37.5mm x 37.5mm (1.48" x 1.48") | 4028-5018 |
| | BGA-96/121 | 19mm x 19mm (0.75" x 0.75") | 4028-5019 |
| | BGA-240/324 | 32mm x 32mm (1.26" x 1.26") | 4028-5020 |
| | BGA-256/400 | 29mm x 29mm (1.14" x 1.14") | 4028-5021 |
| | BGA-100 | 16mm x 16mm (0.63" x 0.63") | 4028-5022 |
| | BGA-119 | 22mm x 14mm (0.87" x 0.55") | 4028-5023 |
| | BGA-169 | 19.25mm x 19.25mm (0.76" x 0.76") | 4028-5024 |
| | BGA-196 | 18.5mm x 18.5mm (0.73" x 0.73") | 4028-5025 |
| | BGA-240 | 26.4mm x 26.4mm (1.04" x 1.04") | 4028-5026 |
| | BGA-256 | 30mm x 30mm (1.18" x 1.18") | 4028-5027 |
| | BGA-475 | 25mm x 32.3mm (0.98" x 1.27") | 4028-5028 |
| | BGA-521 | 43mm x 43mm (1.69" x 1.69") | 4028-5029 |
| | BGA-540 | 44mm x 44mm (1.73" x 1.73") | 4028-5030 |
| | BGA-625 | 32.5mm x 32.5mm (1.28" x 1.28") | 4028-5031 |
| | BGA-169 | 22mm x 22mm (0.87" x 0.87") | 4028-5032 |
| | BGA-361 | 33mm x 33mm (1.29" x 1.29") | 4028-5033 |
| | BGA-720 | 47.5mm x 47.5mm (1.87" x 1.87") | 4028-5034 |
| | BGA-303 | 21mm x 25mm (0.83" x 0.98") | 4028-5035 |
| | BGA (Short Adpt.) | 17mm x 17mm (0.67" x 0.67") | 4028-5036 |
| | BGA (Small Cup) | 21mm x 21mm (0.83" x 0.83") | 4028-5037 |
| | Micro BGA-48 | 7.75mm x 5.6mm (0.31" x 0.22") | 4028-5501 |
| | Micro BGA-48 | 7.85mm x 6.40mm (0.31" x 0.25") | 4028-5502 |

Cannot find the right nozzle for your application?

CONVECTIVE SYSTEM NOZZLES

| PATTERN NOZZLES | COMPONENT TYPE | JET SPACING | JET LENGTH | PART NUMBER |
|---|---|-----------------------------------|-------------------------|-------------|
|  | SOIC-8 (JEDEC) | 4.1mm (0.16") | 6.1mm (0.24") | 4028-4001 |
| | SOIC-14/16 (JEDEC) | 4.1mm (0.16") | 10.9mm (0.43") | 4028-4002 |
| | SOICL-16 (JEDEC) | 7.9mm (0.31") | 10.9mm (0.43") | 4028-4003 |
| | SOICL-20 (JEDEC) | 7.9mm (0.31") | 13.5mm (0.53") | 4028-4004 |
| | SOICL-24 (JEDEC) | 7.9mm (0.31") | 16mm (0.63") | 4028-4005 |
| | SOICL-28 (JEDEC) | 7.9mm (0.31") | 18.5mm (0.73") | 4028-4006 |
| | SOICL-32 (JEDEC) | 11.68mm (0.46") | 20.83mm (0.82") | 4028-4007 |
| | TSOP-48 (Type I) | 18.6mm (0.734") | 18.6mm (0.734") | 4028-4505 |
| | TSOP-32/40/44/50 (Type II) | 10.4mm (0.41") | 21.35mm (0.84") | 4028-4506 |
| | SINGLE JET NOZZLES | SHAPE OF JET TUBE | NOZZLE SIZE (NOMINAL) | PART NUMBER |
|  | Curved, Round | 3.0mm diameter (0.1" diameter) | 4028-1001 | |
| | Curved, Round | 5.0mm diameter (0.2" diameter) | 4028-1002 | |
| | Curved, Round | 8.0mm diameter (0.3" diameter) | 4028-1003 | |
| | Straight, Round | 3.0mm diameter (0.01" diameter) | 4028-1011 | |
| | Straight, Round | 5.0mm diameter (0.2" diameter) | 4028-1012 | |
| | Straight, Round | 8.0mm diameter (0.3" diameter) | 4028-1013 | |
| | Flat Jet | 13.21mm length (0.52") | 4028-1021 | |
| | Flat Jet | 23.37mm length (0.92") | 4028-1022 | |
| | BOX NOZZLES | COMPONENT TYPE | NOZZLE SIZE (NOMINAL) | PART NUMBER |
| |  | PLCC | 32.5mm x 46.5mm (" x ") | 4028-1501 |
| PLCC-18 (Non Baffled) | | 8.5mm x 12.1mm (0.34" x 0.48") | 4028-2001 | |
| PLCC-20 (Non Baffled) | | 10.2mm x 10.2mm (0.40" x 0.40") | 4028-2002 | |
| PLCC-28 (Non Baffled) | | 12.8mm x 12.8mm (0.50" x 0.50") | 4028-2003 | |
| PLCC-32 (Non Baffled) | | 12.8mm x 15.3mm (0.50" x 0.60") | 4028-2004 | |
| PLCC-44 (Non Baffled) | | 17.9mm x 17.9mm (0.70" x 0.70") | 4028-2005 | |
| PLCC-52 | | 20.4mm x 20.4mm (0.80" x 0.80") | 4028-2006 | |
| PLCC-68 | | 25.5mm x 25.5mm (1.01" x 1.01") | 4028-2007 | |
| PLCC-84 | | 30.6mm x 30.6mm (1.20" x 1.20") | 4028-2008 | |
| PLCC-100 | | 38.9mm x 38.9mm (1.53" x 1.53") | 4028-2009 | |
| QFP-80/100 | | 18.1mm x 24.1mm (0.71" x 0.95") | 4028-2501 | |
| QFP-64/80 (Non Baffled) | | 17.0mm x 17.0mm (0.67" x 0.67") | 4028-2502 | |
| QFP-132 | | 26.9mm x 26.9mm (1.06" x 1.06") | 4028-2503 | |
| QFP-160 | | 31.9mm x 31.9mm (1.26" x 1.26") | 4028-2504 | |
| QFP-208 | | 31.5mm x 31.5mm (1.24" x 1.24") | 4028-2505 | |
| QFP-240 | | 34.6mm x 34.6mm (1.36" x 1.36") | 4028-2506 | |
| BQFP-100 | | 23.5mm x 23.5mm (" x ") | 4028-2507 | |
| BQFP-84 | | 20.9mm x 20.9mm (" x ") | 4028-2508 | |
| BQFP-132 | | 27.1mm x 27.1mm (1.07" x 1.07") | 4028-2602 | |
| TQFP-32 (Non Baffled) | | 11.5mm x 11.5mm (0.453" x 0.453") | 4028-3002 | |
| TQFP-120 (Non Baffled) | | 15.5mm x 15.5mm (0.610" x 0.610") | 4028-3004 | |
| TQFP-48 | | 18.6mm x 18.6mm (0.734" x 0.734") | 4028-4505 | |

Give us a call, we make custom nozzles!

STENCILS for Area Array Components

COMPONENT STENCILING - Stencils require Universal Bracket Kit, 6993-0248

| OPTIONAL STENCILS | PART NUMBER | OPTIONAL STENCILS | PART NUMBER |
|----------------------------|--------------|--------------------------------|--------------|
| Stencil, 11mm x 8mm x 88 | 1011-0088-P1 | Stencil, 40mm x 40mm x 520 | 1040-0520-P1 |
| Stencil, 11mm x 8mm x 69 | 1011-0069-P1 | Stencil, 40mm x 40mm x 596 | 1040-0596-P1 |
| Stencil, 11mm x 8mm x 72 | 1011-0072-P1 | Stencil, 40mm x 40mm x 680 | 1040-0680-P1 |
| Stencil, 12mm x 12mm x 144 | 1012-0144-P1 | Stencil, 16.5mm x 8mm x 52 | 1016-0052-P1 |
| Stencil, 12mm x 12mm x 160 | 1012-0160-P1 | Stencil, 11.4mm x 5.1mm x 22 | 1011-0022-P1 |
| Stencil, 13mm x 13mm x 144 | 1013-0144-P1 | Stencil, 33mm x 33mm x 503 | 1033-0503-P1 |
| Stencil, 13mm x 13mm x 64 | 1013-0064-P1 | Stencil, 16mm x 16mm x 209 | 1016-0209-P1 |
| Stencil, 15mm x 15mm x 156 | 1015-0156-P1 | Stencil, 14mm x 22mm x 119 | 1014-0119-P1 |
| Stencil, 15mm x 15mm x 160 | 1015-0160-P1 | Stencil, 42.5mm x 32.5mm x 824 | 1042-0824-P1 |
| Stencil, 15mm x 15mm x 196 | 1015-0196-P1 | Stencil, 32.5mm x 25mm x 474 | 1032-0474-P1 |
| Stencil, 17mm x 17mm x 208 | 1017-0208-P1 | Stencil, 4mm x 4mm x 16 | 1004-0016-P1 |
| Stencil, 17mm x 17mm x 256 | 1017-0256-P1 | Stencil, 4mm x 4mm x 20 | 1004-0020-P1 |
| Stencil, 19mm x 19mm x 52 | 1023-0052-P1 | Stencil, 5mm x 4mm x 24 | 1005-0024-P1 |
| Stencil, 19mm x 19mm x 225 | 1023-0256-P1 | Stencil, 4mm x 4mm x 24 | 1004-0024-P1 |
| Stencil, 19mm x 19mm x 163 | 1023-0163-P1 | Stencil, 4mm x 4mm x 28 | 1004-0028-P1 |
| Stencil, 19mm x 19mm x 289 | 1023-0289-P1 | Stencil, 32.5mm x 32.5mm x 624 | 1032-0624-P1 |
| Stencil, 23mm x 23mm x 169 | 1023-0169-P1 | Stencil, 32.5mm x 32.5mm x 937 | 1032-0937-P1 |
| Stencil, 23mm x 23mm x 192 | 1023-0192-P1 | Stencil, 31mm x 31mm x 304 | 1031-0304-P1 |
| Stencil, 23mm x 23mm x 288 | 1023-0288-P1 | Stencil, 8mm x 8mm x 64 | 1008-0064-P1 |
| Stencil, 23mm x 23mm x 324 | 1023-0324-P1 | Stencil, 31mm x 31mm x 316 | 1031-0316-P1 |
| Stencil, 23mm x 23mm x 208 | 1023-0208-P1 | Stencil, 31mm x 31mm x 329 | 1031-0329-P1 |
| Stencil, 23mm x 23mm x 256 | 1023-0256-P1 | Stencil, 15mm x 13mm x 165 | 1015-0165-P1 |
| Stencil, 23mm x 23mm x 484 | 1023-0484-P1 | Stencil, 8mm x 10mm x 48 | 1008-0048-P1 |
| Stencil, 25mm x 25mm x 357 | 1025-0357-P1 | Stencil, 5mm x 5mm x 32 | 1005-0032-P1 |
| Stencil, 25mm x 25mm x 360 | 1025-0360-P1 | Stencil, PLCC 28 | 1012-0028-P1 |
| Stencil, 25mm x 25mm x 413 | 1025-0413-P1 | Stencil, 15mm x 15mm x 148 | 1015-0148-P1 |
| Stencil, 27mm x 27mm x 352 | 1027-0352-P1 | Stencil, 9mm x 9mm x 56 | 1009-0056-P1 |
| Stencil, 27mm x 27mm x 316 | 1027-0316-P1 | Stencil, 9mm x 9mm x 64 | 1009-0064-P1 |
| Stencil, 27mm x 27mm x 225 | 1027-0225-P1 | Stencil, 6mm x 5mm x 32 | 1006-0032-P1 |
| Stencil, 27mm x 27mm x 256 | 1027-0256-P1 | Stencil, 24mm x 24mm x 241 | 1024-0241-P1 |
| Stencil, 27mm x 27mm x 272 | 1027-0272-P1 | Stencil, 10mm x 10mm x 64LCC | 1010-0064-P1 |
| Stencil, 27mm x 27mm x 292 | 1027-0292-P1 | Stencil, 10mm x 10mm x 128 | 1010-0128-P1 |
| Stencil, 27mm x 27mm x 324 | 1027-0324-P1 | Stencil, 6mm x 6mm x 40 | 1006-0040-P1 |
| Stencil, 27mm x 27mm x 328 | 1027-0328-P1 | Stencil, 10mm x 10mm x 151 | 1010-0151-P1 |
| Stencil, 27mm x 27mm x 336 | 1027-0336-P1 | Stencil, 7mm x 7mm x 32 | 1007-0032-P1 |
| Stencil, 27mm x 27mm x 672 | 1027-0672-P1 | Stencil, 21mm x 21mm x 156 | 1021-0156-P1 |
| Stencil, 27mm x 27mm x 676 | 1027-0676-P1 | Stencil, 7mm x 7mm x 48 | 1007-0048-P1 |
| Stencil, 35mm x 35mm x 388 | 1035-0388-P1 | Stencil, 7mm x 7mm x 49 | 1007-0049-P1 |
| Stencil, 35mm x 35mm x 456 | 1035-0456-P1 | Stencil, 14mm x 8mm x 63 | 1014-0063-P1 |
| Stencil, 35mm x 35mm x 313 | 1035-0313-P1 | Stencil, 7mm x 7mm x 113 | 1007-0113-P1 |
| Stencil, 35mm x 35mm x 352 | 1035-0352-P1 | Stencil, 16mm x 8mm x 60 | 1016-0060-P1 |
| Stencil, 35mm x 35mm x 480 | 1035-0480-P1 | Stencil, 45mm x 45mm x 600 | 1045-0600-P1 |
| Stencil, 35mm x 35mm x 580 | 1035-0580-P1 | Stencil, 45mm x 45mm x 731 | 1045-0731-P1 |
| Stencil, 40mm x 40mm x 432 | 1040-0432-P1 | Stencil, 42.5mm x 42.5mm x 560 | 1042-0560-P1 |
| Stencil, 40mm x 40mm x 503 | 1040-0503-P1 | | |

REBALLING KITS

BGA REBALLING KITS

| REBALLING KIT | PART NUMBER | REBALLING KIT | PART NUMBER | REBALLING KIT | PART NUMBER |
|----------------------------|--------------|-------------------------|--------------|-------------------------------|--------------|
| Kit, Reballer BGA 36 | 4017-0001-P1 | Kit, Reballer UBGA 256 | 4017-0038-P1 | Kit, Reballer BGA 560 | 4017-0074-P1 |
| Kit, Reballer BGA 40 | 4017-0002-P1 | Kit, Reballer BGA 256 | 4017-0039-P1 | Kit, Reballer SBGA 560 | 4017-0075-P1 |
| Kit, Reballer FPBGA 44 | 4017-0003-P1 | Kit, Reballer BGA 257 | 4017-0040-P1 | Kit, Reballer BGA 564 | 4017-0076-P1 |
| Kit, Reballer UBGA 46-33MB | 4017-0004-P1 | Kit, Reballer PBGA 272 | 4017-0041-P1 | Kit, Reballer CBGA 575 | 4017-0077-P1 |
| Kit, Reballer UBGA 46-16MB | 4017-0005-P1 | Kit, Reballer BGA 272 | 4017-0042-P1 | Kit, Reballer PBGA 600 | 4017-0078-P1 |
| Kit, Reballer BGA 48 | 4017-0008-P1 | Kit, Reballer BGA 292 | 4017-0043-P1 | Kit, Reballer SBGA 600 | 4017-0079-P1 |
| Kit, Reballer UBGA 62 | 4017-0009-P1 | Kit, Reballer BGA 304 | 4017-0044-P1 | Kit, Reballer TBGA 696 | 4017-0080-P1 |
| Kit, Reballer FPBGA 64 | 4017-0010-P1 | Kit, Reballer BGA 313 4 | 017-0046-P1 | Kit, Reballer BGA 100 | 4017-0081-P1 |
| Kit, Reballer FPBGA 69 | 4017-0011-P1 | Kit, Reballer BGA 320 | 4017-0047-P1 | Kit, Reballer LFBGA 100 | 4017-0082-P1 |
| Kit, Reballer BGA 69 | 4017-0012-P1 | Kit, Reballer TFBGA 324 | 4017-0048-P1 | Kit, Reballer TFBGA 48 | 4017-0083-P1 |
| Kit, Reballer FPBGA 72 | 4017-0013-P1 | Kit, Reballer BGA 325 | 4017-0049-P1 | Kit, Reballer BGA 233 | 4017-0084-P1 |
| Kit, Reballer LFPBGA 84 | 4017-0014-P1 | Kit, Reballer BGA 348 | 4017-0050-P1 | Kit, Reballer TFBGA 64 | 4017-0085-P1 |
| Kit, Reballer BGA 100 | 4017-0015-P1 | Kit, Reballer BGA 352 | 4017-0051-P1 | Kit, Reballer BGA 177 | 4017-0086-P1 |
| Kit, Reballer BGA 108 | 4017-0016-P1 | Kit, Reballer SPBGA 352 | 4017-0052-P1 | Kit, Reballer BGA 169/2 | 4017-0087-P1 |
| Kit, Reballer BGA 119 | 4017-0017-P1 | Kit, Reballer SBGA 352 | 4017-0053-P1 | Kit, Reballer LFBGA 80 | 4017-0088-P1 |
| Kit, Reballer BGA 131 | 4017-0018-P1 | Kit, Reballer TBGA 352 | 4017-0054-P1 | Kit, Reballer TFBGA 48 | 4017-0089-P1 |
| Kit, Reballer BGA 144 | 4017-0019-P1 | Kit, Reballer BGA 356 | 4017-0055-P1 | Kit, Reballer TFBGA 64 | 4017-0090-P1 |
| Kit, Reballer UBGA 144 | 4017-0021-P1 | Kit, Reballer PBGA 357 | 4017-0056-P1 | Kit, Reballer LFBGA 64 | 4017-0091-P1 |
| Kit, Reballer BGA 168 | 4017-0022-P1 | Kit, Reballer CBGA 360 | 4017-0058-P1 | Kit, Reballer LFBGA 144 | 4017-0092-P1 |
| Kit, Reballer BGA 169 | 4017-0023-P1 | Kit, Reballer BGA 388 | 4017-0059-P1 | Kit, Reballer LFBGA 132 | 4017-0093-P1 |
| Kit, Reballer BGA 180 | 4017-0024-P1 | Kit, Reballer BGA 400 | 4017-0060-P1 | Kit, Reballer TFBGA 168 | 4017-0094-P1 |
| Kit, Reballer TBGA 192 | 4017-0025-P1 | Kit, Reballer BGA 404 | 4017-0061-P1 | Kit, Reballer TFBGA 100 | 4017-0095-P1 |
| Kit, Reballer BGA 192 | 4017-0026-P1 | Kit, Reballer BGA 421 | 4017-0062-P1 | Kit, Reballer LFBGA 120 | 4017-0096-P1 |
| Kit, Reballer CBGA 196 | 4017-0027-P1 | Kit, Reballer BGA 428 | 4017-0063-P1 | Kit, Reballer TFBGA 320 | 4017-0097-P1 |
| Kit, Reballer UBGA 196 | 4017-0028-P1 | Kit, Reballer PBGA 432 | 4017-0064-P1 | Kit, Reballer BGA 241 | 4017-0098-P1 |
| Kit, Reballer BGA 208 | 4017-0029-P1 | Kit, Reballer BGA 452 | 4017-0066-P1 | Kit, Reballer BGA 113 | 4017-0099-P1 |
| Kit, Reballer BGA 216 | 4017-0030-P1 | Kit, Reballer BGA 456 | 4017-0067-P1 | Kit, Reballer BGA 153 | 4017-0100-P1 |
| Kit, Reballer BGA 217 | 4017-0031-P1 | Kit, Reballer TBGA 480 | 4017-0068-P1 | Kit, Reballer SBGA 652 | 4017-0101-P1 |
| Kit, Reballer BGA 225 | 4017-0033-P1 | Kit, Reballer BGA 480 | 4017-0069-P1 | Solder Spheres, .020 diameter | 6993-0231-P1 |
| Kit, Reballer BGA 255 | 4017-0034-P1 | Kit, Reballer BGA 492 | 4017-0070-P1 | Solder Spheres, .025 diameter | 6993-0232-P1 |
| Kit, Reballer SBGA 256 | 4017-0035-P1 | Kit, Reballer TBGA 500 | 4017-0071-P1 | Solder Spheres, .030 diameter | 6993-0233-P1 |
| Kit, Reballer TBGA 256 | 4017-0036-P1 | Kit, Reballer BGA 548 | 4017-0072-P1 | | |
| Kit, Reballer CBGA 256 | 4017-0037-P1 | Kit, Reballer BGA 553 | 4017-0073-P1 | | |

PREHEATERS

ALL PREHEATERS CAN BE USED AS STAND ALONE OR INTEGRATED WITH SYSTEMS.

Preheating allows for the use of significantly lower and safer temperatures when conductive or convective tools are used for component installation or removals. Preheating is also required when installing area array components and large leaded devices. The application of heat from the bottom side of the PCB serves several functions: 1) it keeps the PCB from twisting

or warping, 2) it maintains the planarity of the rework site, 3) it warms the PCB so heat applied by the top heater is not drawn away from the rework site, and 4) it ensures that homogenous temperatures across the package and PCB are maintained, allowing the use of safe, low temperatures for the top heater.

SPECIFICATIONS

| | |
|---------------------------------|---|
| Part Numbers | 8007-0427 ST 400 8007-0428 ST 400E |
| Power Requirements: | 97-127 VAC, 50/60 Hz or, 425 Watts max. 197-253 VAC, 50/60 Hz 425 Watts max. |
| Dimensions: | 105mm H x 178mm W x 318mm D (4.1" H x 7" W x 12.5" D) |
| Weight: | 2.3Kg (5lbs.) |
| Temperature Stability: | ± 3°C (± 5 °F) at idle tip temp. |
| Absolute Temperature Stability: | Meets or exceeds ANSI-J-STD |
| Temperature Range: | 37-205°C (100-400°F) |

The ST 450 is an analog, closed loop, temperature controlled convective 1500 W preheater. The heating area is 140mm x 140mm (5.5" x 5.5"). This preheater is ideal for applications where focused hot air is desirable or where cooling air is required

after the application of heat such as area array applications. Additionally, the nature of hot air allows heat to get into those hard to reach places all too common on today's electronics.

SPECIFICATIONS

| | |
|---------------------------------|---|
| Part Numbers | 8007-0433 ST 450 8007-0434 ST 450E |
| Power Requirements: | 97-127 VAC, 50/60 Hz or, 1500 Watts max. 197-253 VAC, 50/60 Hz 1500 Watts max. |
| Dimensions: | 105mm H x 178mm W x 318mm D (4.1" H x 7" W x 12.5" D) |
| Weight: | 2.4Kg (5.3lbs.) |
| Temperature Stability: | ± 3°C (± 5 °F) at idle tip temp. |
| Absolute Temperature Stability: | Meets or exceeds ANSI-J-STD |
| Temperature Range: | 37-205°C (100-400°F) |
| Heating Airflow | 35 cfm |
| Cooling Airflow | 50 cfm |
| Focus Nozzle Part Numbers | 4048-0001-P1 1.5" Square Nozzle 4048-0002-P1 3" Square Nozzle 4048-0003-P1 4.5" Square Nozzle |

ST 400



The ST 400 is an analog, closed loop, temperature controlled radiant 400 W pre heater. The heating area is 140mm x 140mm (5.5" x 5.5"). This preheater is ideal for heavy PCBs and for area array applications as the medium wave IR delivers the most penetrating and even heating available. The ST 400 can be used as a stand-alone unit with either the ST 525/ST 550 PCB holder or can be used with the ST 300, ST 325, or ST 350.

ST 450



The ST 450 can be used as is, or one of 3 "air wash" nozzles can be attached to focus the heat where it is needed. The ST 450 can be used as a stand-alone unit with either the ST 525/ST 550 PCB holder or can be used with the ST 300, ST 325, or ST 350. When used with the ST 325/ST 350 (with the optional software package) the heater activity of the ST 450 can be controlled through the ST 325 or ST 350. The ST 450 is completely self-contained and when in cooling mode, the airflow is increased to 50 cfm.

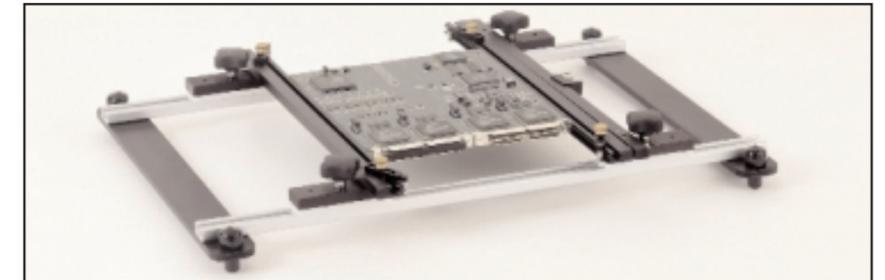
FIXTURES AND PCB HOLDERS

ST 500 adjustable Z-Axis platform

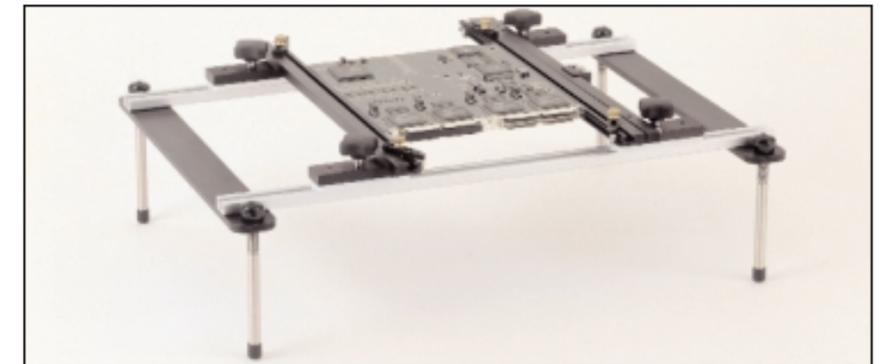


When using convective hand tools, such as the ST 300 and ST 325, it is often helpful to place the handpiece into a fixture that has the ability to control the z axis movement when trying to align or place a component. The ST 500 is an adjustable Z-Axis platform that accepts the handpiece from either the ST 300 or ST 325. The heat guard on the handpiece is replaced with a "swivel ring" which is placed on the ST 500. The swivel ring allows the handpiece to be adjusted for planarity to the PCB being worked on. The ST 500 features a sturdy, extruded base that will accommodate either the ST 400 or ST 450 preheater and can also be used with either of the PCB holders (ST 525 or ST 550).

ST 525 with Short Legs



ST 550 with Long Legs

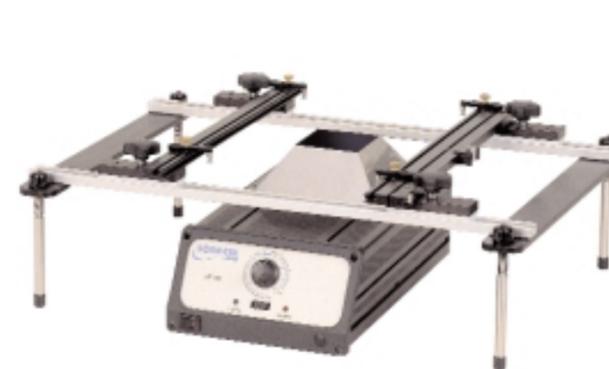


SPECIFICATIONS

| | |
|---------------------------|---|
| Free Standing PCB Holders | 6993-0258-P1 ST 500 |
| Part Numbers | 6993-0253-P1 ST 525 6993-0254-P1 ST 550 |
| ST 525 holds PCB's up to: | 305mm X 305 mm (12" x 12") |
| ST 550 holds PCB's up to: | 460mm X 460 mm (18" X 18") |
| Capabilities: | Both come with short legs for bench-top use and with extended legs for use with either the ST 400 or ST 450 preheaters. |

If you prefer your work to be angled, use two long legs in the back and 2 short legs in the front! These fixtures are ideal for prep-work, cutting leads, soldering, desoldering, inspection, and testing. Both feature spring loaded rails with cocking mechanism for easy PCB removal and insertion. A very flexible system can be created by combining the ST 500 with either PCB holder and the ST 300/ST 325 and the ST 400/ST 450.

ST 550 shown with optional ST 450



ST 500 with optional ST 325, ST 450 and ST 550



DISPENSING

The ST 600 is a shop air based paste dispenser with advanced features at an unbeatable price! No more messing around with inaccurate manual dispensing methods that leave patchy deposits or that rely on "eye balling" the correct volume being deposited.

The ST 600 is a top of the line dispenser with precision dispensing capabilities such as variable air pressure, repeatable measured

pulses, variable timed dispensing, and vacuum pull back to eliminate the mess caused from fluids leaking out of your existing dispensing equipment. Let's be honest, when fluids are dispensed inconsistently or erratically, it causes a lot of extra work for the service technician because the PCB has to be cleaned before trying again and with most of today's PCBs having vias, good luck cleaning them out

quickly! The ST 600 comes standard with a unique finger switch that fits most syringes which allows you to easily coordinate dispensing activity with what your hand is doing without using the foot pedal! Of course, if you prefer the foot pedal approach, this comes standard with the system.

ST 600



The ST 600 is ideal for applying solder paste, gel fluxes, underfill, potting compounds, or epoxies. Regardless of generous or micro-dot application, the ST 600 will increase your productivity and reduce waste! The ST 600 can be used as a stand alone system and can also be integrated into the ST 350 for the ultimate in convective rework systems!

SPECIFICATIONS

| | |
|----------------------------|---|
| Part Numbers | 8007-0439 ST 600 8007-0440 ST 600E |
| Power Requirements: | 97-127 VAC, 50/60 Hz, 90 Watts max. 197-253 VAC, 50/60 Hz, 80 Watts max. |
| Dimensions: | 76mm H x 254mm W x 208mm D (3" H x 10" W x 8.15" D) |
| Weight: | 2.5Kg (5.5lbs.) |
| Air pressure requirements: | 50-80 PSI |

ST 600 integrated with ST 350



ST 600 shown with unique finger switch operation



DISPENSING CONSUMABLES

Dispensing consumable products include syringe needles in multiple gauges, plastic tapered tips, syringe adapters, and barrel stoppers.

| PART NUMBER | DESCRIPTION | PART NUMBER | DESCRIPTION | PART NUMBER | DESCRIPTION |
|---------------|------------------------|----------------|---------------------------|---------------|---------------------------------|
| 1125-0001-P10 | Needle, SS, 14GA, 0.5" | 1125-0020-P50 | Needle, SS, 18GA, .1" | 1125-0033-P10 | Tip, Plastic, Taper, 20GA |
| 1125-0001-P50 | Needle, SS, 14GA, 0.5" | 1125-0021-P10 | Needle, SS, 19GA, .1" | 1125-0033-P50 | Tip, Plastic, Taper, 20GA |
| 1125-0002-P10 | Needle, SS, 15GA, 0.5" | 1125-0021-P10 | Needle, SS, 20GA, .1" | 1125-0034-P10 | Tip, Plastic, Taper, 22GA |
| 1125-0002-P50 | Needle, SS, 15GA, 0.5" | 1125-0021-P50 | Needle, SS, 19GA, .1" | 1125-0034-P50 | Tip, Plastic, Taper, 22GA |
| 1125-0003-P10 | Needle, SS, 16GA, 0.5" | 1125-0021-P50 | Needle, SS, 20GA, .1" | 1125-0035-P1 | Adapter, syringe, 5cc |
| 1125-0003-P50 | Needle, SS, 16GA, 0.5" | 1125-0022-P10 | Needle, SS, 21 GA, .1" | 1125-0036-P1 | Adapter, syringe, 10cc |
| 1125-0004-P10 | Needle, SS, 17GA, 0.5" | 1125-0022-P5 | Needle, SS, 21 GA, .1" | 1125-0037-P1 | Adapter, syringe, 30cc |
| 1125-0004-P50 | Needle, SS, 17GA, 0.5" | 01125-0023-P10 | Needle, SS, 22GA, .1" | 1125-0038-P5 | Barrel & Stopper, 5cc, 5 pack |
| 1125-0005-P10 | Needle, SS, 18GA, 0.5" | 1125-0023-P50 | Needle, SS, 22GA, .1" | 1125-0038-P10 | Barrel & Stopper, 5cc, 10 pack |
| 1125-0005-P50 | Needle, SS, 18GA, 0.5" | 1125-0024-P10 | Needle, SS, 23GA, .1" | 1125-0039-P5 | Barrel & Stopper, 10cc, 5 pack |
| 1125-0006-P10 | Needle, SS, 19GA, 0.5" | 1125-0024-P50 | Needle, SS, 23GA, .1" | 1125-0039-P10 | Barrel & Stopper, 10cc, 10 pack |
| 1125-0006-P50 | Needle, SS, 19GA, 0.5" | 1125-0025-P10 | Needle, SS, 24GA, .1" | 1125-0040-P5 | Barrel & Stopper, 30cc, 5 pack |
| 1125-0007-P10 | Needle, SS, 20GA, 0.5" | 1125-0025-P50 | Needle, SS, 24GA, .1" | 1125-0040-P10 | Barrel & Stopper, 30cc, 10 pack |
| 1125-0007-P50 | Needle, SS, 20GA, .5" | 1125-0026-P10 | Needle, SS, 25GA, .1" | 1125-0067-P5 | Luer Lock Tip Cap, Pack 5 |
| 1125-0008-P10 | Needle, SS, 21GA, 0.5" | 1125-0026-P50 | Needle, SS, 25GA, .1" | 1125-0067-P10 | Luer Lock Tip Cap, Pack 10 |
| 1125-0008-P50 | Needle, SS, 21GA, 0.5" | 1125-0027-P10 | Needle, SS, 26GA, .1" | 1125-0068-P5 | Flex Cap for Taper Tip Pack 5 |
| 1125-0009-P10 | Needle, SS, 22GA, 0.5" | 1125-0027-P50 | Needle, SS, 26GA, .1" | 1125-0068-P10 | Flex Cap for Taper Tip Pack 10 |
| 1125-0009-P50 | Needle, SS, 22GA, 0.5" | 1125-0028-P10 | Needle, SS, 27GA, .1" | 1125-0069-P5 | Needle Cover Cap, Pack 5 |
| 1125-0010-P10 | Needle, SS, 23GA, 0.5" | 1125-0028-P50 | Needle, SS, 27GA, .1" | 1125-0069-P10 | Needle Cover Cap, Pack 10 |
| 1125-0010-P50 | Needle, SS, 23GA, 0.5" | 1125-0029-P10 | Needle, SS, 30GA, .1" | 1125-0070-P5 | 3cc Manual Syringe, Pack 5 |
| 1125-0011-P10 | Needle, SS, 24GA, 0.5" | 1125-0029-P50 | Needle, SS, 30GA, .1" | 1125-0070-P10 | 3cc Manual Syringe, Pack 10 |
| 1125-0011-P50 | Needle, SS, 24GA, 0.5" | 1125-0030-P10 | Tip, Plastic, Taper, 14GA | 1125-0071-P5 | 5cc Manual Syringe, Pack 5 |
| 1125-0012-P10 | Needle, SS, 25GA, 0.5" | 1125-0030-P50 | Tip, Plastic, Taper, 14GA | 1125-0071-P10 | 5cc Manual Syringe, Pack 10 |
| 1125-0012-P50 | Needle, SS, 25GA, 0.5" | 1125-0031-P10 | Tip, Plastic, Taper, 16GA | 1125-0072-P5 | 10cc Manual Syringe, Pack 5 |
| 1125-0013-P10 | Needle, SS, 26GA, 0.5" | 1125-0031-P50 | Tip, Plastic, Taper, 16GA | 1125-0072-P10 | 10cc Manual Syringe, Pack 10 |
| 1125-0013-P50 | Needle, SS, 26GA, 0.5" | 1125-0032-P10 | Tip, Plastic, Taper, 18GA | 1125-0073-P5 | 1cc Manual Syringe, Pack 5 |
| 1125-0014-P10 | Needle, SS, 27GA, 0.5" | 1125-0032-P50 | Tip, Plastic, Taper, 18GA | 1125-0073-P10 | 1cc Manual Syringe, Pack 10 |
| 1125-0014-P50 | Needle, SS, 27GA, 0.5" | | | | |
| 1125-0015-P10 | Needle, SS, 30GA, 0.5" | | | | |
| 1125-0015-P50 | Needle, SS, 30GA, 0.5" | | | | |
| 1125-0016-P10 | Needle, SS, 14GA, .1" | | | | |
| 1125-0016-P50 | Needle, SS, 14GA, .1" | | | | |
| 1125-0017-P10 | Needle, SS, 15GA, .1" | | | | |
| 1125-0017-P50 | Needle, SS, 15GA, .1" | | | | |
| 1125-0018-P10 | Needle, SS, 16GA, .1" | | | | |
| 1125-0018-P50 | Needle, SS, 16GA, .1" | | | | |
| 1125-0019-P10 | Needle, SS, 17GA, .1" | | | | |
| 1125-0019-P50 | Needle, SS, 17GA, .1" | | | | |
| 1125-0020-P10 | Needle, SS, 18GA, .1" | | | | |

Dispensing Nozzels



FUME EXTRACTION

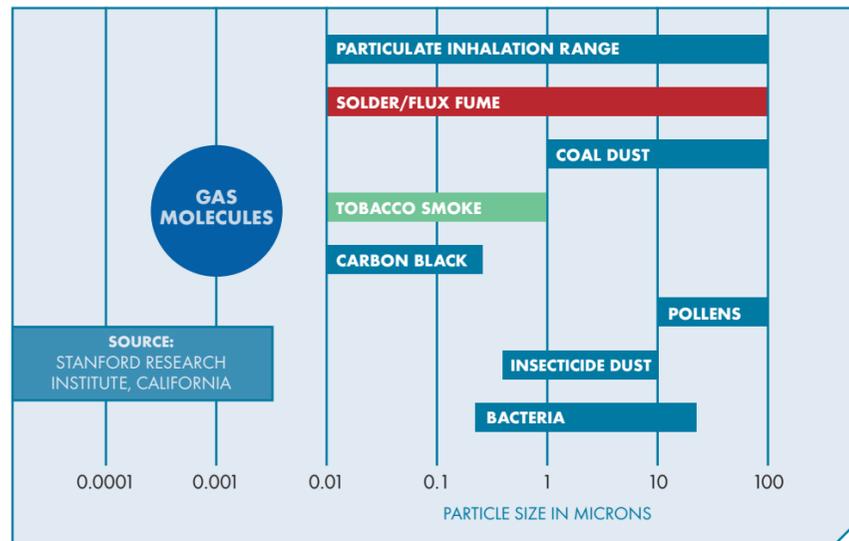
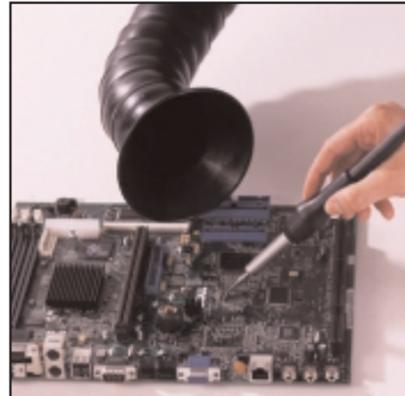
WHY IS FUME EXTRACTION NEEDED?

It's a fact... hazardous fumes in the working environment result in increased absenteeism, employee turnover, worker's compensation claims and lost productivity. Medical research has confirmed an increased incidence of occupational asthma, chronic bronchitis, allergic reactions, contact dermatitis and other health related effects associated with exposure to flux fumes. The substances in flux fumes are regulated by international health and safety agencies and many have been designated as Occupational Sensitizers which means that exposure should be eliminated or reduced to as low levels as possible. Where manual soldering is being performed or where solder-pots/fountains are utilized, hazardous fumes are produced and workers need to be protected from them.

▲ **FACT:** Exposure to Solder Fumes Leads to Respiratory illness

When rosin-based or rosin-containing fluxes are heated, a substance called colophony is produced, which is one of the major causes of occupational asthma. In order to reduce exposure to colophony, rosin-based fluxes have been exchanged for no-clean or synthetic fluxes that contain no rosin or very low percentages. While this reduces or eliminates exposure to colophony, new chemical irritants may be introduced into the work place, many of which pose a more substantial threat to workers. Over 95% of the total fume products from rosin-based fluxes are in the form of particulates. Chemical exposure from flux fume varies

widely and is dependent on the chemical composition of the flux. Non-rosin or low-rosin fluxes use chemically aggressive substances such as acids, solvents, or alcohols in place of rosin to improve the cleaning action of the flux. **This is also true for Lead Free solders.** Exposure to these substances is also recognized as hazardous and when flux is heated, the resultant chemical by-products can be even more hazardous. Additionally, the use of cleaners, solvents or adhesives, which are common in electronic soldering applications, expose workers to chemical hazards.



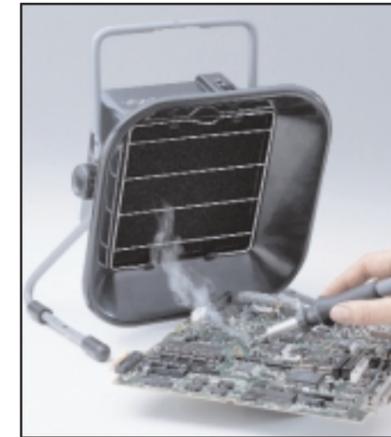
The human body has been designed with defense mechanisms such as nasal passageways lined with mucus that will collect larger particles through a process known as impaction and ciliated breathing passageways to remove foreign substances from the main airways of the lungs. Flux fumes contain high levels of respirable particles (less than 3.5 microns in diameter similar in size to cigarette smoke) that can bypass these natural defense mechanisms, and deposit themselves in the gas-exchange region of the lungs, thereby posing the greatest exposure hazard.

▲ **FACT:** Material Safety Data Sheets for Fluxes Recommend the Use of Local Exhaust Ventilation Systems

The Health effects caused by exposure to flux fumes tend to be forms of respiratory illness and contact dermatitis. However, since the components of flux fume are often designated as occupational sensitizers, chronic or prolonged exposure increases the severity of health effects. PACE Fume Extraction is a key element in protecting workers from being exposed to flux fume!

FUME EXTRACTION

The Sodr-Tek bench-top FX 50 fume exhauster is designed to remove solder flux fumes and other workplace fumes from the operator's breathing zone. Harmful fumes are drawn through an activated carbon impregnated foam filter.



▲ **FX 50**

▲ **FEATURES**

- ▲ High airflow fan
- ▲ Simple filter change out
- ▲ Variable mounting with pre-drilled holes
- ▲ Three height adjustments
- ▲ Easy swivel action
- ▲ Compact
- ▲ Portable
- ▲ Includes three filters

▲ **SPECIFICATIONS**

| | |
|---|--|
| Power Requirements: | Part No. 8884-0920 - 115 VAC, 50/60 Hz, 17 Watts Part No. 8884-0925 - 230 VAC, 50/60 Hz, 17 Watts |
| Airflow with filter: | 60m ³ /h (35CFM) |
| Dimensions: | 220mm (8.7") Wide x 270mm (10.6") High x 168mm (6.6") Deep |
| Weight: | 1591g (3.5lbs.) |
| Exhauster housing: | Static Safe Plastic |
| Activated-carbon impregnated foam filter: | 130mm (5.1") Wide x 130mm (5.1") High x 68mm (0.4") Deep |
| Replacement filter: | Part No. 8883-0200-P5 - Package of Five Filters |

▲ **FEATURES**

- ▲ Operator Adjustable Airflow
- ▲ Plenum or Arm Extraction
- ▲ Static Safe
- ▲ Four Levels of Fume Filtration
- ▲ Filter Condition Monitoring
- ▲ Incorporates utility platform

▲ **SPECIFICATIONS**

| | |
|---------------------|---|
| Unit: | Arm-Evac 50 - 8889-0050 |
| Power Requirements: | 115 or 230 VAC, 50/60 Hz |
| Size: | 215mm (8.5") H x 330mm (13.0") W x 315mm (12.5") D |
| Weight: | 6 Kg (13 lbs.) |
| Sound Level*: | 54 dBA |
| Standard Inlets: | One laminar flow, plenum inlet |
| Flow Rate: | Adjustable: 152 m ³ /h (90 cfm) max with Plenum One Arm Adjustable: 84.5 m ³ /h (45 cfm) max Two Arms Adjustable: 60 m ³ /h (30 cfm) max per arm |
| System Options: | Dual Arm Accessory - 8886-0055 |
| Standard Filters: | Pre-Filter - 8883-0125-P5 General Purpose Filter - 8883-0280 |
| Filtration Options: | Clean room Filter - 8883-0290** Adhesive Filter - 8883-0295** Economy Filter - 8883-0300-P5** |

* Airflow and noise level are nominal numbers and will vary based on voltage
** Pre-filter also required.



▲ **Arm-Evac 50**



▲ **Arm-Evac 50 with Optional Dual Arm Attachment**

FUME EXTRACTION

The best protection from harmful fumes in its price range.

The Arm-Evac 105 is portable, compact and can be easily placed on or under a work-bench. The unit includes a brushless motor and the housing is made of heavy duty, 20 gauge steel. One inlet cap is provided to seal the unused inlet if only one flex arm is used.

Arm-Evac 105



SPECIFICATIONS

| | |
|------------------------------|---|
| Unit: | Arm-Evac 105 - 8888-0110 Arm-Evac 105E - 8888-0105 |
| Power Requirements: | 115 VAC, 60 Hz 230 VAC, 50 Hz |
| Dimensions: | 500mm (19.6")H x 290mm (11.5")W x 290mm (11.5")D |
| Weight: | 11.5 Kg (25.3 pounds) |
| Sound Level*: | 55 dBA |
| Number of Inlets: | Two 75 mm (3") |
| General Purpose Filter: | Single Inlet: 220 m3/h (130 cfm); Dual Inlet: 118 m3/h (70 cfm) per inlet |
| Clean room Filter: | Single Inlet: 187 m3/h (110 cfm); Dual Inlet: 105 m3/h (62 cfm) per inlet |
| # of Collection Accessories: | Two 75mm (3") Flex Arms |
| Maximum Duct Run: | 2.5m (8') per inlet |
| Standard Filters: | Pre-Filter - 8883-0111-P5 General Purpose Filter - 8883-0931 |
| Filtration Options: | Clean room Filter - 8883-0921 * Adhesive Filter - 8883-0951 * Extended Life Filter - 8883-0936 ** Economy Filter - 8883-0871 * |

*Pre-filter also required **Requires Extended Life Pre-Filter - 8883-0938-P10

FILTER SELECTION CHART

| | Pre-Filter | High Capacity Pre-Filter | Economy Filter | General Purpose Filter | Clean Room Filter | High Capacity Filter | Adhesive Filter |
|--------------|--------------|--------------------------|----------------|------------------------|-------------------|----------------------|-----------------|
| FX 50 | N/A | N/A | 883-0200-P5 | N/A | N/A | N/A | N/A |
| Arm-Evac 50 | 8883-0125-P5 | N/A | 8883-0300-P5 | 8883-0280 | 8883-0290 | N/A | 8883-0295 |
| Arm-Evac 105 | 8883-0111-P5 | 8883-0938-P10* | 8883-0871 | 8883-0931 | 8883-0921 | 8883-0936* | 8883-0951 |

* High Capacity Pre-Filters must be used in combination with a High Capacity Filter. When Filters need to be replaced, simply remove them from the Fume Extractor and replace with a new one. Disposal of filters should be done in compliance with local environmental regulations.

ESD Safe Flex-Arm (P/N 8886-0750) - The most versatile and economical collection accessory.

ESD Safe Flex Arm



SPECIFICATIONS

| | |
|--------------------|---|
| ESD Rating: | Surface Resistivity: 1.00E3 Ohm Volume Resistivity: <6.00E2 Ohm-cm |
| Length: | 915mm (36") |
| Diameter: | 75mm (3") |
| Mounting: | Directly onto Fume Extractor or uses optional Bench Mounting Bracket |
| Standard Endpiece: | Round |

ESD Safe Flex-Arm Quick-Mount Bench Mounting Bracket Kit (P/N 8886-0745) allows the ESD Safe Flex-Arm to be mounted virtually anywhere. Quick Mount clamp allows for arm and bracket to be repositioned in seconds. Kit includes 25m (8') of 75mm (3") ESD Safe flexible hose. ***BEST VALUE*** ESD Safe Flex-Arm Kit (8886-0765) contains everything needed to mount an ESD Safe Flex-Arm to a workbench. The kit includes: (1) ESD Safe Flex-Arm (P/N 8886-0750) and (1) Quick-Mount Bench Mounting Bracket Kit (P/N 8886-0745).

SODR-TEK MATERIALS

| SODR-TEK MATERIALS | PART NUMBER | FLUX CORE | CORE SIZE | PACKAGE SIZE |
|---|--------------|-----------|-----------|--------------|
| All purpose Electrical Rosin Core Solder 60/40 .031 dia | 1125-0042-P1 | 44 | 58 | 8 oz |
| All purpose Electrical No-Clean Core Solder 60/40, .031 dia | 1125-0043-P1 | 245 | 66 | 8 oz |
| All purpose Electrical Rosin Core Solder 60/40, .5 dia | 1125-0063-P1 | 44 | 58 | 8 oz |
| All purpose Electrical No-Clean Core Solder 60/40, .5 dia | 1125-0064-P1 | 245 | 66 | 8 oz |
| Sn96.5/Ag3/Cu0.5 Lead Free solder wire Rosin Core .031 Dia | 1125-0044-P1 | 44 | 58 | 8 oz |
| Sn96.5/Ag3/Cu0.5 Lead Free solder wire Rosin Core .050 Dia | 1125-0045-P1 | 44 | 58 | 8 oz |
| Sn96.5/Ag3/Cu0.5 Lead Free solder wire Acid Core .031 Dia | 1125-0046-P1 | Acid | 66 | 8 oz |
| Sn96.5/Ag3/Cu0.5 Lead Free solder wire Acid Core .050 Dia | 1125-0047-P1 | Acid | 66 | 8 oz |
| All purpose Electrical Rosin Core Solder 60/40, .31 dia | 1125-0048-P1 | 44 | 58 | 4 oz |
| All purpose Electrical No-Clean Core Solder 60/40, .31 dia | 1125-0049-P1 | 245 | 66 | 4 oz |
| All purpose Electrical Rosin Core Solder 60/40, .5 dia | 1125-0065-P1 | 44 | 58 | 4 oz |
| All purpose Electrical No-Clean Core Solder 60/40, .5 dia | 1125-0066-P1 | 245 | 66 | 4 oz |
| Sn96.5/Ag3/Cu0.5 Lead Free solder wire Rosin Core .031 Dia | 1125-0050-P1 | 44 | 58 | 4 oz |
| Sn96.5/Ag3/Cu0.5 Lead Free solder wire Rosin Core .050 Dia | 1125-0051-P1 | 44 | 58 | 4 oz |
| Sn96.5/Ag3/Cu0.5 Lead Free solder wire Acid Core .031 Dia | 1125-0052-P1 | Acid | 66 | 4 oz |
| Sn96.5/Ag3/Cu0.5 Lead Free solder wire Acid Core .050 Dia | 1125-0053-P1 | Acid | 66 | 4 oz |
| Flux applicator Brushes | 1125-0054-P5 | | | Pack of 5 |
| SP 30 Acid Flux Paste | 1125-0055-P1 | | | 2 Oz |
| SP-44 Rosin Flux Paste | 1125-0056-P1 | | | 2 Oz |
| Flux Pen 951 | 1125-0059-P1 | | | Pen |
| Flux Pen 186 | 1125-0060-P1 | | | Pen |
| TSF-6522 No Clean Gel Flux | 1125-0061-P1 | | | 35g syringe |
| TSF-6805 Water Soluble Gel Flux | 1125-0062-P1 | | | 35g syringe |
| Tip-Brite, lead free tip tinner | 1120-0016-P1 | | | 0.7 oz |

Flux Definition

44 = Active Rosin Flux
245 = No Clean Flux
Acid = Acid Based Flux

Core Definition

58 = 1.1%
66 = 2.2%



SOLDER WICK DESOLDERING BRAID

Sodr-Tek Desoldering braid is 100% copper and has a fine braid design to promote strong capillary action to remove residual solder completely. Sodr-Tek Desoldering Braid removes up to four times more solder than the conventional wick and extracts solder much faster than competitive braids. The residue left behind is halide free and non-conductive so it does not have to be cleaned off the PCB. Sodr-Tek Desoldering Braids are available in a wide variety of sizes, with rosin and no clean fluxes, and with or without anti-static bobbins. Try our Desoldering Braids today and you'll see the difference immediately!

| TYPE | DESCRIPTION | PART NUMBER |
|----------------|--|--------------|
| Advanced Wick, | 2701, 10 ft, .035" wide, fine braid, white bobbin | 1243-0008-P1 |
| Advanced Wick, | 2701, 25 ft, .035" wide, fine braid, white bobbin | 1243-0009-P1 |
| Advanced Wick, | 2701, 5 ft, .035" wide, fine braid, white bobbin | 1243-0010-P1 |
| Advanced Wick, | 2702, 10 ft, .055" wide, fine braid, yellow bobbin | 1243-0011-P1 |
| Advanced Wick, | 2702, 25 ft, .055" wide, fine braid, yellow bobbin | 1243-0012-P1 |
| Advanced Wick, | 2702, 5 ft, .055" wide, fine braid, yellow bobbin | 1243-0013-P1 |
| Advanced Wick, | 2703, 10 ft, .075" wide, fine braid, green bobbin | 1243-0014-P1 |
| Advanced Wick, | 2703, 25 ft, .075" wide, fine braid, green bobbin | 1243-0015-P1 |
| Advanced Wick, | 2703, 5 ft, .075" wide, fine braid, green bobbin | 1243-0016-P1 |
| Advanced Wick, | 2704, 10 ft, .098" wide, fine braid, blue bobbin | 1243-0017-P1 |
| Advanced Wick, | 2704, 25 ft, .098" wide, fine braid, blue bobbin | 1243-0018-P1 |
| Advanced Wick, | 2704, 5 ft, .098" wide, fine braid, blue bobbin | 1243-0019-P1 |
| Advanced Wick, | 2705, 5 ft, .130" wide, fine braid, brown bobbin | 1243-0020-P1 |
| Advanced Wick, | 2705, 10 ft, .130" wide, fine braid, brown bobbin | 1243-0021-P1 |
| Advanced Wick, | 2705, 25 ft, .130" wide, fine braid, brown bobbin | 1243-0022-P1 |
| Advanced Wick, | 2706, 10 ft, .193" wide, fine braid, red bobbin | 1243-0023-P1 |
| Advanced Wick, | 2706, 25 ft, .193" wide, fine braid, red bobbin | 1243-0024-P1 |
| Advanced Wick, | 2708, 10 ft, .035" wide, white anti static bobbin | 1243-0025-P1 |
| Advanced Wick, | 2708, 25 ft, .035" wide, white anti static bobbin | 1243-0026-P1 |
| Advanced Wick, | 2708, 5 ft, .035" wide, white anti static bobbin | 1243-0027-P1 |
| Advanced Wick, | 2709, 10 ft, .055" wide, yellow anti static bobbin | 1243-0028-P1 |
| Advanced Wick, | 2709, 25 ft, .055" wide, yellow anti static bobbin | 1243-0029-P1 |
| Advanced Wick, | 2709, 5 ft, .055" wide, yellow anti static bobbin | 1243-0030-P1 |
| Advanced Wick, | 2710, 10 ft, .075" wide, green anti static bobbin | 1243-0031-P1 |
| Advanced Wick, | 2710, 5 ft, .075" wide, green anti static bobbin | 1243-0032-P1 |
| Advanced Wick, | 2710, 25 ft, .075" wide, green anti static bobbin | 1243-0033-P1 |
| Advanced Wick, | 2711, 10 ft, .098" wide, blue anti static bobbin | 1243-0034-P1 |
| Advanced Wick, | 2711, 25 ft, .098" wide, blue anti static bobbin | 1243-0035-P1 |
| Advanced Wick, | 2711, 5 ft, .098" wide, blue anti static bobbin | 1243-0036-P1 |
| Advanced Wick, | 2712, 10 ft, .130" wide, brown anti static bobbin | 1243-0037-P1 |
| Advanced Wick, | 2712, 25 ft, .130" wide, brown anti static bobbin | 1243-0038-P1 |
| Advanced Wick, | 2712, 5 ft, .130" wide, brown anti static bobbin | 1243-0039-P1 |
| Advanced Wick, | 2713, 25 ft, .193" wide, red anti static bobbin | 1243-0040-P1 |
| Advanced Wick, | 2713, 5 ft, .193" wide, red bobbin | 1243-0041-P1 |

SOLDER WICK DESOLDERING BRAID

| TYPE | DESCRIPTION | PART NUMBER |
|----------------|---|--------------|
| No-Clean Wick, | 2714, 10 ft, .035" wide, white bobbin | 1243-0042-P1 |
| No-Clean Wick, | 2714, 25 ft, .035" wide, white bobbin | 1243-0043-P1 |
| No-Clean Wick, | 2714, 5 ft, .035" wide, white bobbin | 1243-0044-P1 |
| No-Clean Wick, | 2715, 10 ft, .055" wide, yellow bobbin | 1243-0045-P1 |
| No-Clean Wick, | 2715, 25 ft, .055" wide, yellow bobbin | 1243-0046-P1 |
| No-Clean Wick, | 2715, 5 ft, .055" wide, yellow bobbin | 1243-0047-P1 |
| No-Clean Wick, | 2716, 10 ft, .075" wide, green bobbin | 1243-0048-P1 |
| No-Clean Wick, | 2716, 25 ft, .075" wide, green bobbin | 1243-0049-P1 |
| No-Clean Wick, | 2716, 5 ft, .075" wide, fine green bobbin | 1243-0050-P1 |
| No-Clean Wick, | 2717, 10 ft, .098" wide, blue bobbin | 1243-0051-P1 |
| No-Clean Wick, | 2717, 25 ft, .098" wide, blue bobbin | 1243-0052-P1 |
| No-Clean Wick, | 2717, 5 ft, .098" wide, blue bobbin | 1243-0053-P1 |
| No-Clean Wick, | 2720, 10 ft, .035" wide, anti static white bobbin | 1243-0054-P1 |
| No-Clean Wick, | 2720, 25 ft, .035" wide, anti static white bobbin | 1243-0055-P1 |
| No-Clean Wick, | 2720, 5 ft, .035" wide, anti static white bobbin | 1243-0056-P1 |
| No-Clean Wick, | 2721, 10 ft, .055" wide, anti static yellow bobbin | 1243-0057-P1 |
| No-Clean Wick, | 2721, 25 ft, .055" wide, anti static yellow bobbin | 1243-0058-P1 |
| No-Clean Wick, | 2721, 5 ft, .055" wide, anti static yellow bobbin | 1243-0059-P1 |
| No-Clean Wick, | 2722, 10 ft, .075" wide, anti static green bobbin | 1243-0060-P1 |
| No-Clean Wick, | 2722, 25 ft, .075" wide, anti static green bobbin | 1243-0061-P1 |
| No-Clean Wick, | 2722, 5 ft, .075" wide, fine anti static green bobbin | 1243-0062-P1 |
| No-Clean Wick, | 2723, 10 ft, .098" wide, anti static blue bobbin | 1243-0063-P1 |
| No-Clean Wick, | 2723, 25 ft, .098" wide, anti static blue bobbin | 1243-0064-P1 |
| No-Clean Wick, | 2723, 5 ft, .098" wide, anti static blue bobbin | 1243-0065-P1 |
| No-Clean Wick, | 2724, 10 ft, .130" wide, anti static brown bobbin | 1243-0066-P1 |
| No-Clean Wick, | 2724, 25 ft, .130" wide, anti static brown bobbin | 1243-0067-P1 |
| No-Clean Wick, | 2724, 5 ft, .130" wide, anti static brown bobbin | 1243-0068-P1 |

Bobbin Styles



APPLICATIONS SUPPORT & TRAINING

PACE offers the most advanced operator training courses available. There are five standard, four day courses and six 2-day courses to choose from, or we can customize a course to meet your specific needs. The Standard 4 day courses are:

PCT 200
High Reliability Through-Hole Soldering and Rework (Standard Through-Hole)

PCT 230
Mixed Technology Rework & Repair (Standard Through -Hole and SMT)

PCT 300
Multi-Layer and Flexible Circuit Repair

PCT 400
Surface Mount Assembly Rework & Repair (Standard SMT)

PCT 500
Advanced Surface Mount Rework & Repair (BGA and Fine Pitch)



APPLICATION SUPPORT

PACE offers valuable application support services to Sodr-Tek customers. If you ever find yourself in a situation where you need assistance with how to use a piece of equipment, how to install or remove a component, or how to incorporate lead free solders into your processes, simply call PACE's applications support department and we'll provide you with the tools and information you need at no charge! For component installations and removals, we will provide you with a detailed set of work instructions with images to take you through the process step by step.

Need more help?

Call our applications support department and we will walk you through the process. When you purchase Sodr-Tek you get much more than the best equipment, you gain a partner to support your technical needs.

OUR MOST POPULAR CONFIGURATIONS AND BENCHTOP SYSTEMS

With Sodr-Tek you can create the exact system configuration to meet your needs! Common sample configurations are shown below.

ST 25 with PS-90 Iron & ST 125 with SX-80



ST 45 with TJ-80 Iron & ST 125 with SX-80



ST 45 with PS-90 Iron & ST 145 with SX-80



ST 325 with ST 500 & ST 550 & ST 450



ST 25 with TJ-80 & HW 50 with TD-100 & ST 145 with SX-80



ST 350 & ST 600 & ST 450

