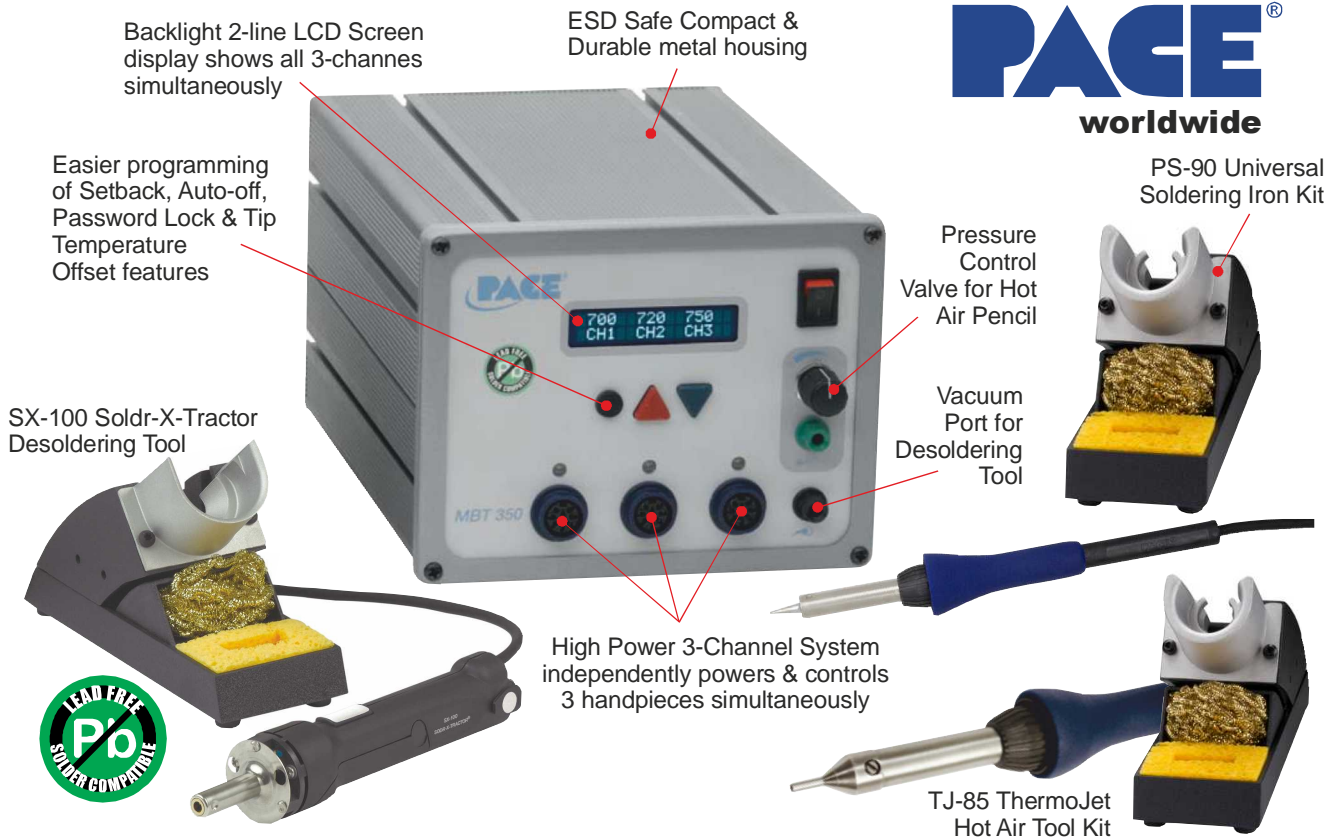


# 3-in-1 SMT/PTH Rework System Model MBT-350EA

**PACE**<sup>®</sup>  
worldwide

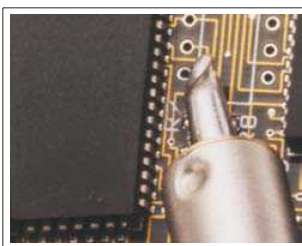


The MBT 350 is loaded with features to improve quality, increase through-put, extend tip life, and protect your process. The system is fully programmable and can be password protected from unauthorized changes. In some cases technicians become frustrated with being locked into a single temperature. The MBT 350 provides the solution! An approved operating range can be programmed allowing operators the flexibility to do their work, while eliminating the risks associated with giving techs access to the entire temperature range of the system. Operators can be given a range of 5 to 450°F (3-250°C) to operate within! When high-mass tips are required, an offset can be programmed for each of the three channels, individually.

To maximize tip life & reduce operating costs, PACE's well recognized "SetBack" and "Auto-Off" features are included. The system will automatically reduce the set temperature by 50% then turn off after a user defined period of inactivity, from 1 to 90 minutes. To protect expensive tip-heater cartridge and fine point soldering tips from oxidation, the TD-100 can be used with the new "Instant-SetBack Cubby." The cubby puts the iron's channel into setback if it's in the cubby for more than 45 seconds! Up to two Instant SetBack cubbies can be connected to the MBT 350.

The new dual purpose vacuum/pressure pump & delivery system featuring PACE's patented SNAP-VAC Technology, provides the most vacuum available for desoldering applications. When used with an air pencil, the high resolution, pressure control valve allows for precise adjustment when working on the smallest components such as 0201's.

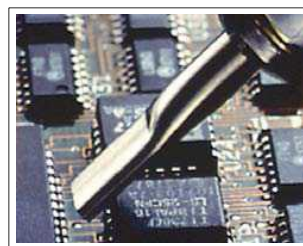
The new backlit, digital, LCD screen displays the temperature of all three handpiece channels or, with scan mode activated, will cycle through the handpiece channels one at a time displaying set & actual temperatures. The backlight and character contrast on the display can be adjusted to meet individual preferences. And finally, the system can be programmed with the name of the operator or company which is displayed when the system is turned on.



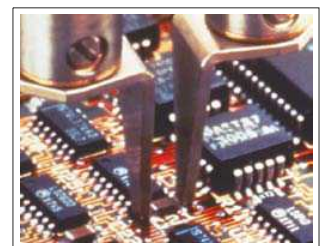
**Soldering Pencil for SMD/PTH Leadfree Soldering**



**Desoldering Iron for Thru-hole Desoldering**



**Hot Air Pencil for SMD Desoldering**



**Thermal Tweezer for Chip component Desoldering**

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## 3-in-1 SMT/PTH Rework System Model MBT-350EA

### Technical Specifications

Specifications	Model MBT 301EA
Kit with Handpieces Part Numbers:	8007-0479-A (PS-90, SX-100 & TJ-85)
Power Source Only Part Numbers:	8007-0453
Power Requirements	230 VAC, 50 Hz (240 watts maximum)
IntelliHeat® Compatibility	IntelliHeat® with Tip Heater Cartridge or SensaTemp®
Dimensions	135mm (5.3") <b>H</b> x 165mm (6.5") <b>W</b> x 260mm (9.25") <b>D</b>
Weight	5 Kgs (11 lbs.)
Tip to Ground Resistance	< 2 Ohms
Temperature Stability	± 1.1°C (2°F)
Temperature Accuracy	Meets or exceeds ANSI J Std 001
Set Temp Range	37-482°C (100-900°F) SensaTemp®
Vacuum Rise Time	150 ms Average as measured with PACE Process Monitor
Vacuum	20 in Hg max
Pressure	18 p.s.i. max
Air Flow	8 SLPM max

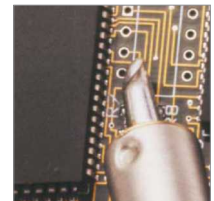
### PACE Handpieces



#### PS-90 Universal Soldering Iron

The Universal Soldering Iron is ideal for most soldering applications and SMT rework operations where high thermal capacity and flexibility are required.

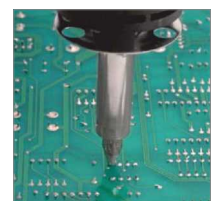
*Refer to detailed Pace datasheet for various desoldering nozzles*



#### SX-100 Sodr-X-Tractor®

The best performing, in-line, vacuum desoldering tool is ideal for Thru-Hole desoldering when fitted with SX-100 Desoldering Tips and for SMT land clean-up when fitted with Flo-D-Sodr® Tips.

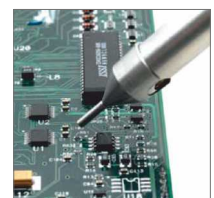
*Refer to detailed Pace datasheet for various sizes inserts*



#### TJ-85 ThermoJet®

When the precise application of hot air is required, our slim line air pencil is ideal for delivering heat for the installation and removal of chip components, SOTs, and SOICs.

*Refer to detailed Pace datasheet for various sizes inserts*



### The Package includes:










- MBT-350 Power & Control Unit
- PS-90 Universal Soldering Tool Set
- SX-100 Sodr-X-Tractor Desoldering Tool Set
- TJ-85 ThermoJet Hot Air Pencil Tool Set



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### Standard Tips for PS-90

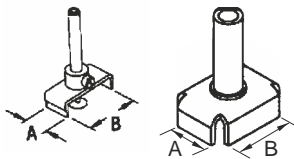
	Description	Tip Size	Part Number
	1/32" Conical Sharp Extended	0.80mm (0.031")	1121-0359-P5
	1/64" Conical Sharp	0.40mm (0.016")	1121-0357-P5
	1/32" Chisel	0.80mm (0.031")	1121-0359-P5
	1/16" Chisel	1.60mm (0.063")	1121-0533-P5
	3/32" Chisel	2.40mm (0.094")	1121-0360-P
	1/8" Chisel	3.20mm (0.125")	1121-0337-P5
	3/16" Chisel	4.80mm (0.188")	1121-0358-P5
	Mini Wave	3.30mm (0.13")	1121-0490-P5
	Flat Blade	6.60 (0.25")	1121-0402-P1

### Standard Desoldering Nozzles for SX-100



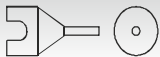
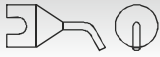

Description	Internal Dia (ID)	Outer Dia (OD)	Part Number
Thermo-Drive	0.76mm (0.030")	2.03mm (0.080")	1121-0930-P5
Thermo-Drive	1.02mm (0.040")	2.29mm (0.090")	1121-0931-P5
Thermo-Drive	1.52mm (0.060")	3.05mm (0.120")	1121-0932-P5
Thermo-Drive	2.29mm (0.090")	5.1mm (0.200")	1121-0933-P5
Thermo-Drive	4mm (0.16")	5.1mm (0.200")	1121-0951-P5

### Surface Mount Removal Pik-Tips



Description	Size A	Size B	Part Number
TSOP-28	8.1mm (0.320")	19.3mm (0.760")	1121-0567-P1
TQFP-32	8.7mm (0.344")	8.7mm (0.344")	1121-0572-P1
PQFP-80/100	16.8mm (0.660")	22.9mm (0.900")	1121-0603-P1

### Hot Air Nozzles for TJ-85

	Description	Internal Dia (ID)	Part Number
	Round Nozzle	1.5mm (.06") Inner diameter	1259-0129-P1
	Round Nozzle, Bent 60 degrees	1.5mm (0.6") Inner diameter	1259-0130-P1
	Flat Jet Nozzle	6.1mm x 1.9mm (.24" x .074")	1259-0131-P1

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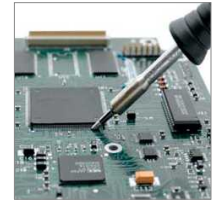
### PACE Compatible Handpieces



#### TD-100 Thermo-Drive® Soldering Iron

The TD-100 Thermo-Drive® Soldering Iron is the only iron crafted by a team of surgical instrument engineers and is uniquely designed to eliminate operator fatigue, improve control and enhance productivity in demanding soldering applications.

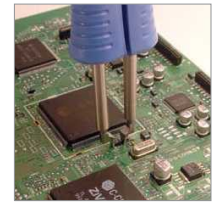
*Refer to detailed Pace datasheet for various desoldering nozzles*



#### MT-100 MiniTweez®

The only high capacity, micro tweezer 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.

*Refer to detailed Pace datasheet for various sizes inserts*



#### TP-100 ThermoPik®

The newest tool for SMT component removal the TP-100. The TP-100 is designed to reflow and remove QFPs in seconds.

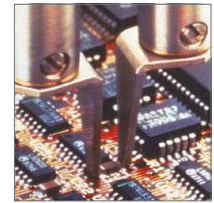
*Refer to detailed Pace datasheet for various sizes inserts*



#### TT-65 ThermoTweez®

The most versatile and only patented SMT removal tool provides safe, one-handed, rapid reflow and component removal of PLCCs and other 4 or 2 sided SMT components.

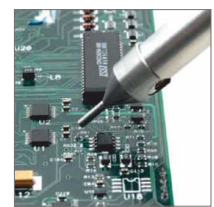
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#### TJ-85 ThermoJet®

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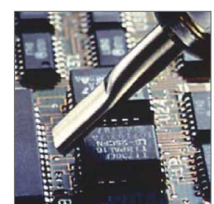
*Refer to detailed Pace datasheet for various sizes inserts*



#### TJ-70 ThermoJet®

The TJ-70 ThermoJet® is ideal for delivering heat for reworking of chip components, SOTs, and SOICs. A variety of quick change nozzles are available, to meet your operational needs. This is ideal for the precise application of hot air for large SMDs down to 0201s.

*Refer to detailed Pace datasheet for various sizes inserts*



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