

# SensaTemp® Systems

## ST 25

The ST 25 soldering system from PACE improves quality, reduce costs and eliminate the maintenance and calibration hassles associated with other soldering systems. The ST 25 maximizes heat delivery at low, safe temperatures and eliminates the need for calibration. Heavy-duty metal housing makes the system the ideal choice for the harshest production environments. The ST 25 system comes with the PS-90 Soldering Iron.

- SensaTemp® Control Technology
- Analog (dial) control
- °C/°F Temperature Scales
- Temperature Adjustment Lockout
- ESD grounding jack
- ESD Safe metal housing
- Stackable
- Can be mounted under work bench or shelf with optional bracket (1321-0609-P1)



## MBT 250

Self-contained, three channel capability offers high capacity, low temperature SMT/ Thru-Hole soldering and desoldering. Digital readout displays the current channel's temperature information, error codes and programming status. Supplied with PS-90 Universal Soldering Iron, SX-100 Sodr-X-Tractor, TT-65 ThermoTweez Handpiece & TP-65 ThermoPik Handpieces.



## PRC 2000

The PRC 2000 Benchtop Factory is the ultimate rework center. The PRC 2000 can tackle just about any Thru-Hole, SMT application and is well suited for multilayer repairs on damaged or prototype PCBs. Featuring 3 simultaneously active SensaTemp® handpiece channels, a built-in paste dispenser, MicroChine for removing conformal coatings or grinding away PCB laminate, and pulse heat technology. The PRC 2000 comes with 9 handpieces and continuously calibrates automatically.



Specifications	ST 25	MBT 250 SD/MBT 250 SDTP	PRC 2000 SMT	PRC 2000 TH
<b>System 115 V</b>	8007-0528	8007-0203 (SD) 8007-0206 (SDTP)	8007-0132	8007-0138
<b>Power Source Only 115 V</b>	8007-0529	8007-0349	N/A	N/A
<b>System 230 V</b>	8007-0510	8007-0204 (SD) 8007-0207 (SDTP)	8007-0133	N/A
<b>Power Source Only 230 V</b>	8007-0511	8007-0353	N/A	N/A
<b>Input Power Requirements</b>		97-127 VAC, 50/60 Hz or 197-253 VAC, 50/60 Hz		
<b>Max Power Consumption</b>	120 W	240 W	400 W	
<b>Dimensions</b>	104mm (4.1") H x 130mm (5.1") W x 152mm (6.0") D	135mm (5.3") H x 165mm (6.5") W x 260mm (9.25") D	175mm (6.9") H x 350mm (13.75") W x 230mm (9.25") D	
<b>Weight</b>	2.3 Kgs (5 lbs.)	5 Kgs (11 lbs.)	13 Kgs (28.6 lbs.)	
<b>Control</b>		LED Display	LED Display	
<b>Control Technology</b>		SensaTemp® (Black Connector HandPieces)		
<b>Tip to Ground Resistance</b>		2 ohms or less		
<b>Temperature Accuracy</b>		Meets or exceeds ANSI-J-STD 001		
<b>Absolute Temperature Stability</b>		± 1.1°C (± 2 °F) at idle tip temp.		
<b>Temperature Range</b>		176° to 482°C (350° to 900°F) nominal		
<b>System Can be Calibrated</b>		Calibration not required		
<b>Pump Type</b>	N/A	Self Contained Pump		
<b>Vacuum Rise Time</b>	N/A	150 ms Average		
<b>Vacuum (Nominal)</b>	N/A	20 in Hg max		
<b>Flow Control Valve</b>	N/A	Coarse adjustment		
<b>Pressure (Nominal)</b>	N/A	18 p.s.i. max	7 p.s.i. max	
<b>Air Flow (Nominal)</b>	N/A	8 slpm max	13 slpm max	

## PS-90 Soldering Tips

Tips	Description	Tip Size	Part Number
	<b>1/16" Chisel (High Capacity)</b>	1.60mm (0.063")	1121-0414-P5
	<b>1/64" Conical</b>	0.40mm (0.016")	1121-0357-P5
	<b>1/64" Sharp Bent Conical</b>	0.40mm (0.016")	1121-0830-P5
	<b>1/32" Conical</b>	0.80mm (0.031")	1121-0336-P5
	<b>1/16" Chisel</b>	1.60mm (0.063")	1121-0335-P5
	<b>1/16" Chisel Long Reach</b>	1.60mm (0.063")	1121-0499-P5
	<b>1/8" Chisel</b>	3.20mm (0.125")	1121-0337-P5
	<b>1/32" Chisel</b>	0.80mm (0.031")	1121-0359-P5
	<b>3/32" Chisel</b>	2.40mm (0.094")	1121-0360-P5
	<b>1/16" Chisel, Extended Reach</b>	1.60mm (0.063")	1121-0533-P5
	<b>1/64" Bent Conical</b>	0.40mm (0.016")	1121-0363-P5
	<b>1/64" Bent Conical</b>	0.40mm (0.016")	1121-0828-P5
	<b>1/32" Conical, Extended Reach</b>	0.80mm (0.031")	1121-0527-P5
	<b>3/16" Chisel</b>	4.80mm (0.188")	1121-0358-P5
	<b>1/16" Chisel (MicroFine)</b>	1.60mm (0.063")	1121-0349-P5
	<b>1/16" Chisel, Thermo-Drive</b>	1.60mm (0.063")	1121-0510-P5
	<b>1/32" Bent Chisel</b>	0.80mm (0.031")	1121-0361-P5
	<b>1/8" Chisel, Thermo-Drive</b>	3.20mm (0.125")	1121-0518-P5
	<b>3/32" Chisel, Extended Reach</b>	2.40mm (0.094")	1121-0529-P5
	<b>1/16" Bent Chisel, Long Reach</b>	1.60mm (0.063")	1121-0500-P5
	<b>1/64" Conical Long Reach</b>	0.40mm (0.016")	1121-0528-P5
	<b>Angled Mini-Wave, Fine Pitch</b>	1.80mm (0.07")	1121-0564-P5
	<b>Angled Mini-Wave</b>	2.40mm (0.09")	1121-0610-P5
	<b>Single-Sided Chisel, Fine Pitch</b>	1.50mm (0.06")	1121-0563-P5
	<b>Single-Sided Chisel</b>	3.30mm (0.13")	1121-0406-P5
	<b>Mini-Wave</b>	3.30mm (0.13")	1121-0490-P5
	<b>Flat Blade</b>	6.60mm (0.25")	1121-0402-P1
	<b>Flat Blade</b>	10.2mm (0.40")	1121-0305-P5

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