

PACE[®]
worldwide



The MBT 301 is a multi-technology system with two, individually controlled, universal handpiece channels. The system features a two-line back lit LCD display. The programmable features include: password protection from unauthorized changes, a user definable temperature operating range, and "SetBack" & "Auto-Off" functions to preserve tip life. To protect your more expensive tip-heater cartridge and fine point soldering tips from oxidation, the TD-100 can be used with the optional "Instant-SetBack Cubby". The cubby puts the iron's channel into setback if it is idle in the cubby for more than 45 seconds! One Instant SetBack Cubby can be connected to the MBT 301.

The new dual purpose vacuum/pressure pump and 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.

Technical Specifications

Specifications	Model MBT 301E
Kit with Handpieces Part Numbers:	8007-0479 (TD-100 & SX-100)
Power Source Only Part Numbers:	8007-0481
Power Requirements	230 VAC, 50 Hz (240 watts maximum)
IntelliHeat® Compatibility	IntelliHeat® with Tip Heater Cartridge or SensaTemp®
Dimensions	135mm (5.3") H x 165mm (6.5") W x 260mm (9.25") D
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

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PACE 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.

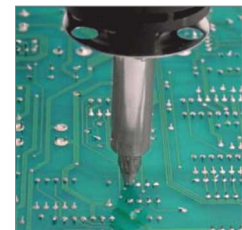
Refer to detailed Pace datasheet for various soldering tips



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 SX-100 Flo-D-Sodr® Tips.

Refer to detailed Pace datasheet for various sizes inserts



Standard Tips for TD-100

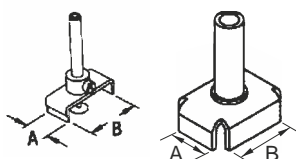
Description	Tip Size - L	Size - D	Part Number
1/32" Conical Sharp Extended	13.4mm (0.530")	0.80mm (0.031")	1124-0001-P1
1/64" Conical Sharp	7.8mm (0.310")	0.40mm (0.016")	1124-0002-P1
1/64" Conical Sharp Bent 30 Degree	7.8mm (0.310")	0.40mm (0.016")	1124-0003-P1
3/64" 30 Degree Chisel	9.7mm (0.380")	1.20mm (0.047")	1124-0008-P1
13/64" Extra Large Chisel	7.62mm (0.300")	5.15mm (0.203")	1124-0010-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
1/16" 30 Degree Chisel	9.9mm (0.390")	1.60mm (0.063")	1124-0019-P1
MiniWave®	NA	2.79mm (0.110")	1124-0049-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

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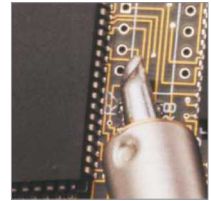
PACE Compatible Handpieces



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



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.

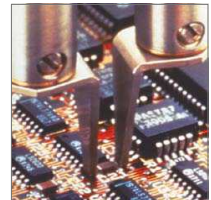
Refer to detailed Pace datasheet for various sizes inserts



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.

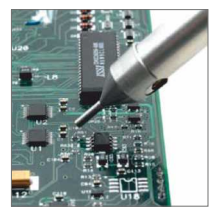
Refer to detailed Pace datasheet for various sizes inserts



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.

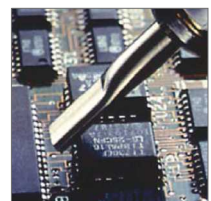
Refer to detailed Pace datasheet for various sizes inserts



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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