

Service Stations

## SVS-500 series

Combination of temperature controlled soldering unit and the desoldering gun

This service station combines a desoldering gun and a temperature controlled soldering iron in one unit. A powerful compact pump with a maximum vacuum degree of 600mm Hg (representative value) allows easy desoldering of single and multi-layered PCBs. Both the desoldering gun and the soldering iron temperature can be controlled by the temperature control sensor feedback system.



### ■ FEATURES

#### SOLDERING UNIT

##### Ceramic heater with integrated sensor

A ceramic heater with integrated sensor has been adopted. During soldering the temperature will remain stable. The temperature will recover quickly and there is excellent heat recovery power which keeps the tip temperature stable.

##### Variable temperature setting

The temperature can be set variably from 200°C to 480°C. This allows a wide range of soldering to be done from terminals and connectors to flat ICs.

##### Zero –volt switch circuit

The zero–volt switch circuit has been adopted for the heater ON/OFF control to assure a reduction in noise during the ON/OFF operation.

##### Silicon cover grip

The grip section is compact and light weight allowing excellent operation ability. The silicon cover keeps the operator's hand protected from the heat generated by the heater. The ergonomic soldering iron reduces hand fatigue during daily operation.

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-54151736  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



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## DESOLDERING GUN

### Powerful vacuum

The built-in powerful compact twin pump reaches a vacuum degree of 600mmHg and is designed to remove solder from single and multi-layered PCBs easily. When the trigger is pulled the wattage of the heater is increased to boost the temperature in order to compensate for the cooling effect of the air flow through the nozzle. After the trigger is released, the vacuum pump continues operating automatically for approximately 0.5 seconds to ensure all the solder in the nozzle is removed. **Variable Temperature Setting**

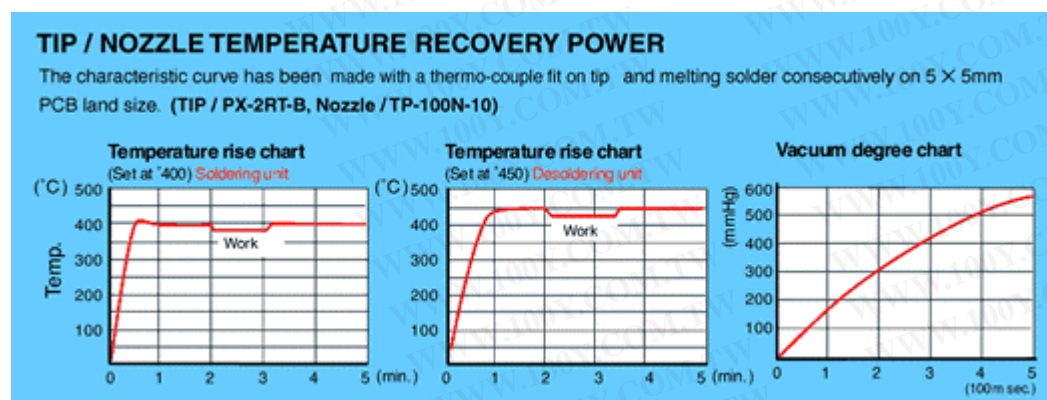
The temperature can be variably set from 250°C to 450°C. The sensor control feedback system has been adopted for the temperature control circuit. This assures quick tip temperature recovery and a stable temperature during operation.

### Quick recovery and heat recovery power

The nozzle temperature has quick recovery and also excellent heat recovery power with its insulation capacity.

### Replaceable type cartridge filter

The cartridge mounting and removing is easy when removing the picked up solder and changing the replacement filters.



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### SPECIFICATIONS

#### SPECIFICATIONS / REPLACEMENT PARTS

Compliant with ISO 9000 series. Equivalent to MIL STD. 2000A

MODEL		SVS-500 / SVS-500AS
Voltage		110 — 130, 220 — 240V AC
Power Consumption		*2 195W / 270-300W
Temp. Setting Range	Desoldering Gun	250 — 450°C
	Soldering Iron	250 — 480°C
Heater Element		Ceramic heater with integrated sensor
Temp. Control System		Sensor feed-back (ON-OFF control)
Insulation Resistance		Over 100M $\Omega$ ( 500V DC)
Vacuum Pump System		Diaphragm system (Twin pump)
Vacuum Degree Reached		(-0.08MPa) - 600mmHg(representative value)
Dimensions	Control Unit	205 (W) x 160 (L) x 170 (H) mm
	Desoldering Gun	220 x 155mm
	Soldering Iron	190mm
Weight	Control Unit	3.6kg w/o vacuum hose & cord
	Desoldering Gun	0.3kg
	Soldering Iron	45g
	Total Weight	4.0kg Approx.
Ripple Temp. Without Load		$\pm 3^{\circ}\text{C}$
Leak Voltage		Less than 0.1mV
Ground Resistance		Less than 0.1 $\Omega$

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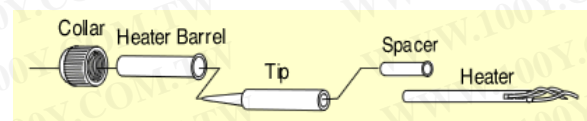
Connecting Cord / Hose Length	1.2m
Power Cord Length	1.5m (3 core cable) / ground plug
Accessories	Cleaning pin / Soldering iron stand

\*2 Rating for 110 – 130V / 220 – 240V

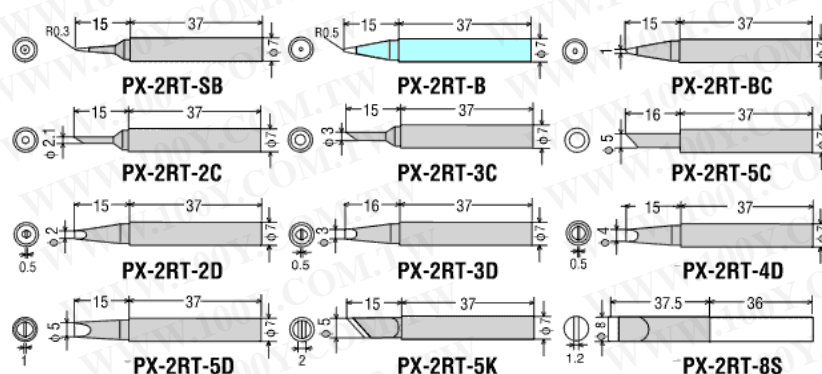
## PARTS

Desoldering unit	
Heater	TP-100/200H
Heater Barrel	TP-100/200HP
Filter	TP-100/200F
Cartridge Set	TP-100/200K

Soldering unit	
Heater	SVS-500H
Heater Barrel	TQ-77HP
Spacer	TQ-77SS
Ground Plug Adapter	P-10
Collar	CXG-15NUT
Cleaning Pin	TP-100/200CP0.7( $\phi 0.7$ )
Cleaning Pin	TP-100/200CP1.3( $\phi 1.3$ )
Cleaning Pin Vice	900-000
The drill bit is not included.	
Drill Bit	
$\phi 0.7\text{mm}$	900-007
$\phi 0.9\text{mm}$	900-009
$\phi 1.4\text{mm}$	900-014
$\phi 2.4\text{mm}$	900-024



## Replacement Tip

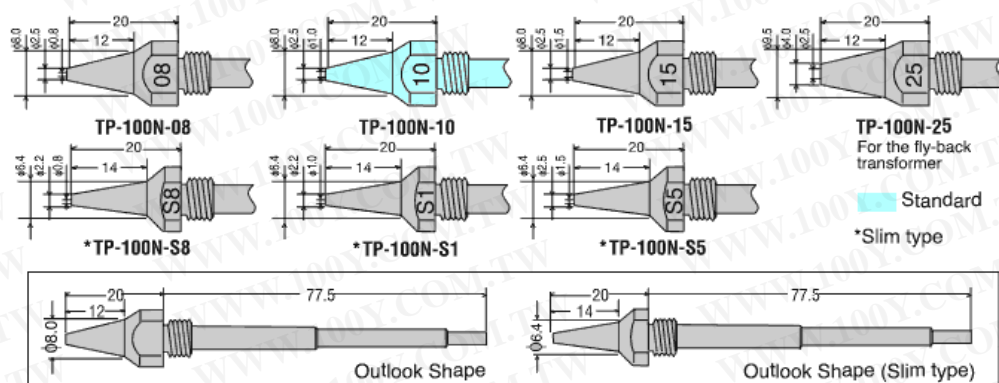


Standard

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Tips marked with a \* may require a lead time before shipping. Please contact your nearest goot distributor for lead time confirmation.

## ■ Replacement Nozzle



## HIGH INSULATION TYPE ANTI-STATIC MODEL SVS-500AS

This is the anti-static model that assures safe soldering of precision components that are easily damaged by static electricity. Anti-static materials are used in the soldering iron grip section, control unit and soldering iron cord where static electricity can be easily generated. All this means that destructive static electricity is not generated when soldering and desoldering.



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