

CS96/CS96ESD CS97/CS97ESD

P.I.D. TEMPERATURE CONTROLLED SOLDERING STATION

FEATURES

1. Equipped with a long life Japanese-made ceramic heater provides fast heat up and heat recovery.
2. The "P.I.D." temperature control provides an extremely precise temperature control that assures an accurate steady temperature.
3. CS-96 and CS-96ESD are digital temperature display. CS-97 and CS-97ESD are analog display. The temperature range is 200°C-500°C (392°F-932°F).
4. Ceramic heater insulation rated over 100Ω at 400°C / 752°F. Leakage is less than 0.4 mV.
5. Heater is able to be driven by using only 24V low voltage power that assures the safety while is on the job. Zero voltage switching ensures low noise and greater protection on components. An equipment inside station connects soldering iron tip to the ground.
6. After removing the barrel and nut, the soldering irons of 900L series are very easy to be replaced, and fits to solder larger points.
7. The soldering station incorporated with a temperature control lock to avoid the unwanted temperature adjustment by the operator.
8. Two different models are available, CS96 and CS96ESD to satisfy the variety needs of jobs. ESD is Anti-Static model.

OPERATION INSTRUCTIONS

- Ensure working voltage matches your power supply before plugging into the station.
- Check carefully any possible damage during transportation

Digital Station (CS96/CS96ESD)

Set temperature by moving "SET-READ" switch to "SET" position, and rotate temperature control knob until the digital display reads the desired temperature. Then turn "SET-READ" switch to "READ" position. The station will maintain the preset temperature.

No Digital Station (CS97/CS97ESD)

Set temperature by rotating temperature control knob on the front panel.

COMMON CAUSES OF TIP UNWETTING

1. Tip temperature is higher than 410°C / 770°F.
2. The tip working surface is not tinned while the iron idling.
3. Lack of flux in soldering, wicking, repairing, and touch-up operations.
4. Wiping the tip on high sulfur content, dirty or dry sponges and rags.
5. Touching with organic substance such as plastic, resin, silicone, grease or any other suitable chemicals.
6. Impurities in solder and/or low tin content.

CAUTION

Soldering irons operate at high temperature. It is very easy to get burn. DO NOT TOUCH the tip and heater at any time while the unit is on and keep it in a safety distance from inflammable materials. Please allow sufficient time for it to cool down before changing tip or servicing the unit!

IMPORTANT

Remove the tip and clean after moderate to heavy use or at least daily if on the production line. Remove any loose build up in the tip retaining assembly to prevent tip from freezing. The soldering tips supply are iron clad copper and if used properly, they should maintain optimum life.

1. Always tin the tip before returning it to the holder, turning off the station, or storing it for long periods of time. Wipe the tip on a wet sponge prior to use.
2. Keeping the iron set at high temperature (more than 400°C / 750°F) will shorten tip life.
3. Do not use excessive pressure on the tip or rub the joint with the tip while soldering, since it does not improve the heat transfer and may damage the tip.
4. Apply solder to the joint, not the tip when soldering. The flux is naturally caustic and thus will eat away the tip.
5. Never clean the tip with a file or abrasive materials.
6. Do not use fluxes which contain chloride or acid. Use only rosin or resin activated fluxes.
7. If an oxide film forms on the tip. It can be removed by careful buffing with a 600-800 grit emery cloth, isopropyl alcohol or the equivalent, then wrapping rosin core solder around the newly exposed surface. Coat the tinned areas with rosin-core solder after the resin-core has melted.

NEW TIPS

Following these steps will lead to optimum tip life.

1. Set temperature to minimum, and then turn the main power switch to "ON" position.
2. Set temperature to 250°C / 482°F.
3. Coat the tinned surface with rosin-core solder after reaching 250°C / 482°F.
4. Set to desired temperature after allowing the unit to idle at 250°C / 482°F for 3 minutes.
5. The iron will be ready for use once it reaches the preset temperature.

SPECIFICATIONS

Model No.	CS96/CS96ESD	CS97/CS97ESD
Display	Digital temperature display	Analog display
AC INPUT	110-120V AC ; 220-240V AC	
TEMPERATURE RANGE	200°C-500°C (392°F-932°F)	
POWER CONSUMPTION	24V AC / 60W	
HEATING ELEMENT	JAPANESE MADE CERAMIC HEATER (CS-96-H)	
SOLDERING IRON	901ESD	
STANDARD TIP	900M-T-B	
WEIGHT	1700g / 3.8 pounds	
DIMENSIONS	L170 x W120 x H105 (mm) / 6.7" x 4.7" x 4.1" (inches)	



P.I.D. - our own advanced technology to provide precise temperature control and fast heat recovery

- More than 20 years of experience producing long life tips
- We use Japanese made ceramic heater to assure fast heat up
- Our products meet all European certifications

High quality concepts and designs in soldering tools

800-T-0.8D

%%c5

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

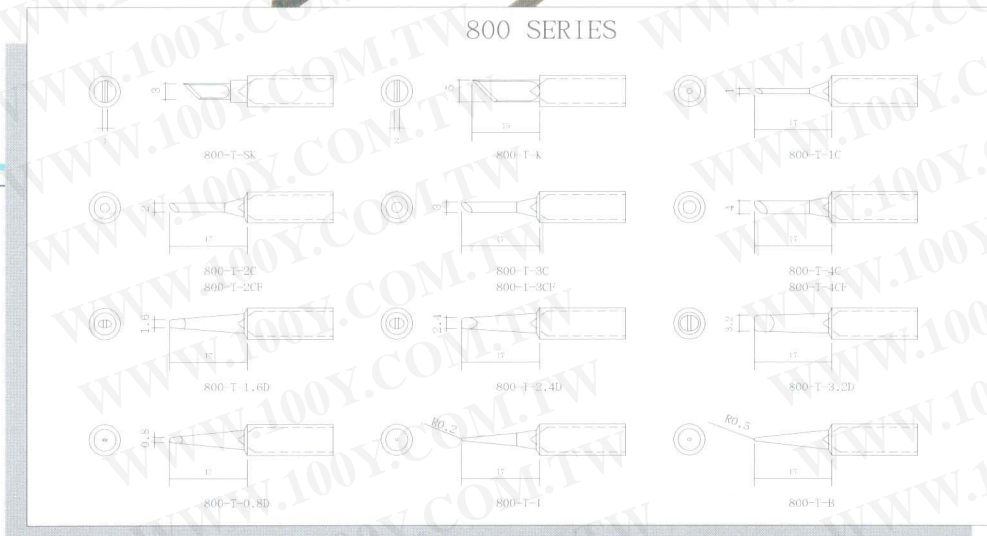
800 ESD Lead Free Soldering Station

Temperature Range	100°C - 500°C
Power Consumption	28V AC/80W (maximum)
Heating Element	800-H ceramic Heater
Soldering Iron	800-I
Standard Tip	800-T-B

*High heat sensitivity



800 ESD Series



JF628/JF628ESD Smoke absorber CE

Model No.	JF628ESD	JF628
Dimension	200mm*2087mm*130mm	
	Replacement part	
Part No.	JF628F	
Description	Filter Set (3pcs)	
Dimensions	123mm*130mm	

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



CS902 / CS902ESD / CS903 / CS903ESD

Soldering Iron CE

Model No.	CS902 / CS902ESD	CS903 / CS903ESD
Power Consumption	15W	25W
Heating Element	902-H ceramic Heater	903-H ceramic heater
Soldering tip	900M-T-B	900L-T-B
Nut & Barrel	900M-305	900L-304

900 ESD Lead Free Soldering Station

Temperature Range	100°C-500°C
Power Consumption	28V AC/80W (maximum)
Heating Element	900-H ceramic Heater
Soldering Iron	900-I
Standard Tip	900-T-B



CS96 ESD/CS96

P.I.D. Temperature Control Soldering Station CE

Model No.	CS96ESD	CS96
Temperature Range	200°C-500°C	
Power Consumption	24V AC/60W	
Heating Element	96-H ceramic Heater	
Soldering Iron	901ESD	
Standard Tip	900M-T-B	

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



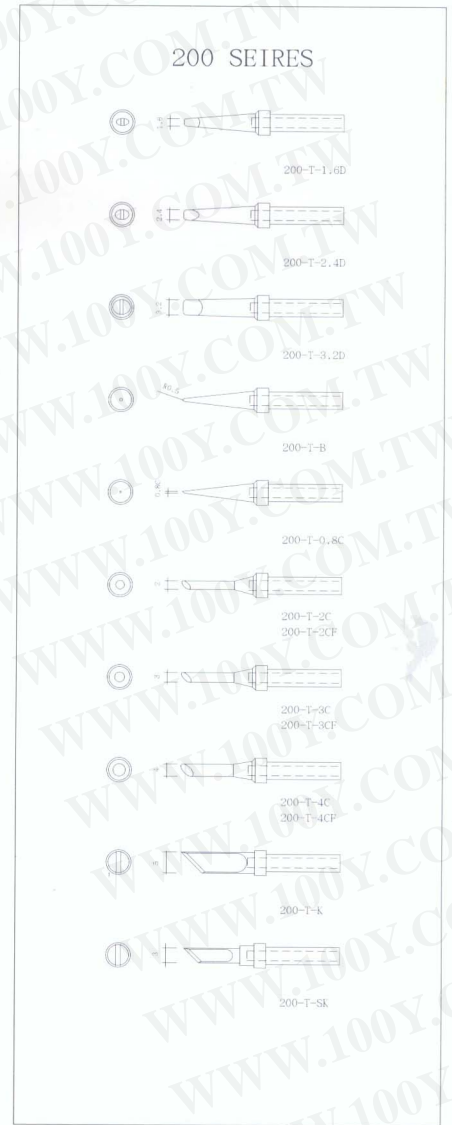
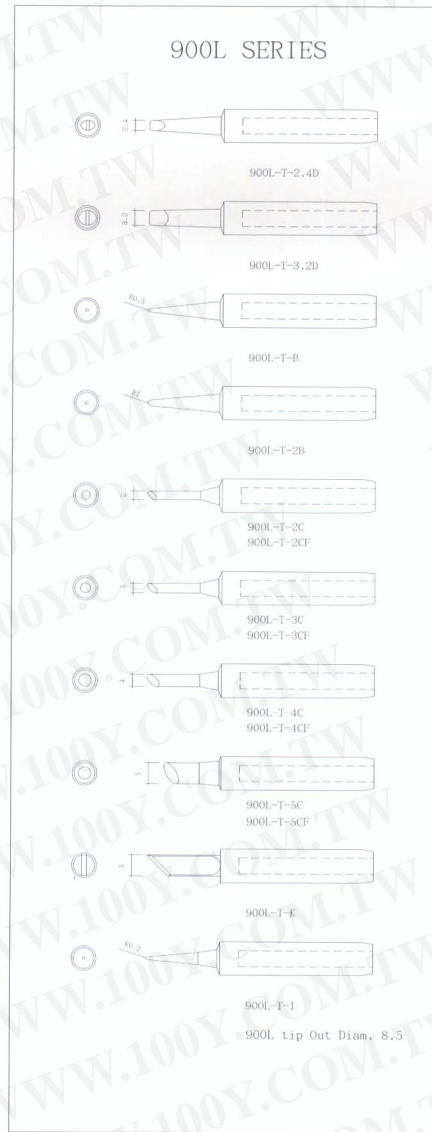
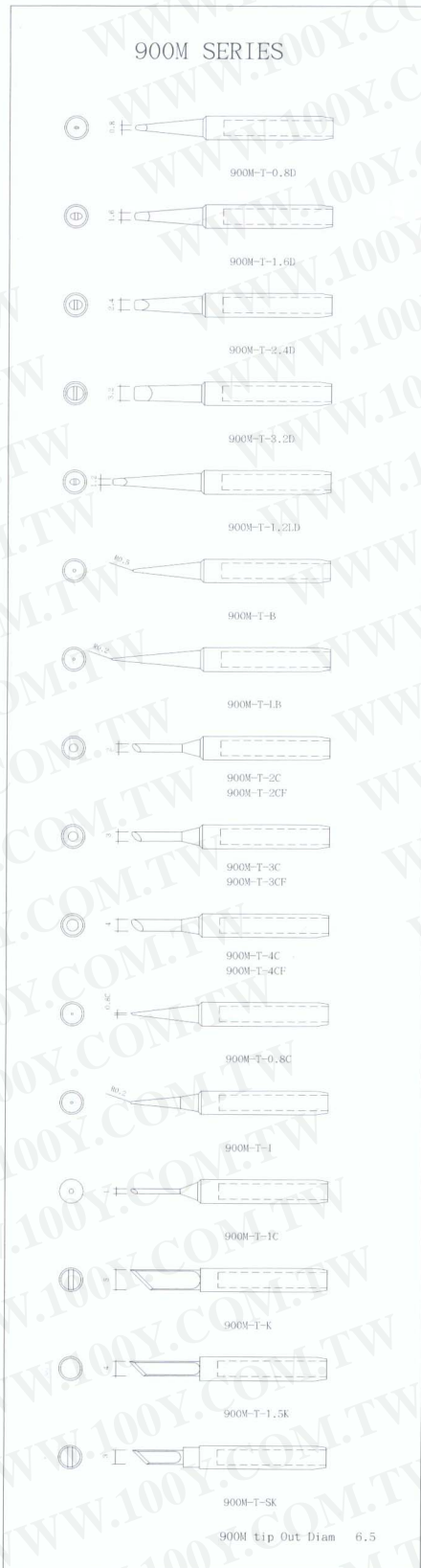
CS97 ESD/CS97

P.I.D. Temperature Control Soldering Station CE

Model No.	CS97ESD	CS97
Temperature Range	200°C - 500°C	
Power Consumption	24V AC/60W	
Heating Element	97-H ceramic Heater	
Soldering Iron	901ESD	
Standard Tip	900M-T-B	

LEAD FREE SOLDERING TIPS

Customized designs are welcome



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)