

BlackJack SolderWerks BK3050 Solder Pot

INSTRUCTION MANUAL

Thank you for purchasing the BlackJack BK3050 Solder Pot.
Please read this manual before operating the equipment.
Keep manual in accessible place for future reference.

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SAFETY PRECAUTIONS

CAUTION: Improper usage can cause serious injury to personnel and/or damage to equipment. For personnel safety, please follow these precautions:

- Check each component after opening the package to make sure everything is in good condition. Do not use this item if visible damage is seen, report the issue to your vendor.
- Power off unit and unplug the device when moving the device from one location to another.
- Do not subject the main unit to physical shock
 - Never drop or sharply jolt the unit.
 - Contains delicate parts that may break if the unit is dropped.
- Always connect power to a grounded receptacle.
- Temperature may reach as high as 480°C when switched ON.
 - Do not use the device near flammable materials.
 - Do not touch heated parts which may include tips, nozzles, barrels.
- Disconnect from power source if the unit **will** not be used for a long periods. Switch off power during short breaks.
- Use only genuine replacement parts.
- Soldering process produces smoke — use on well ventilated place.
- Do not try to alter or repair unit, bring **to a qualified** service center for repairs.

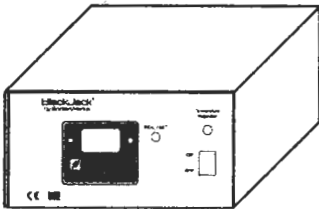
PRODUCT DESCRIPTION

The BlackJack BK3050 Solder pot is a highly durable general purpose solder pot for standard and lead free solders.

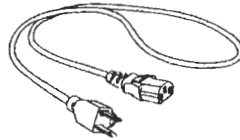
It utilizes high power infrared (IR) heating technology for fast heat up and stable temperature. The system utilizes an external sensor to enable precise control of temperature.

It has a sturdy extruded aluminum housing with digital LED display of temperatures and knob type controls for easy operation.

PACKAGE INCLUSION



3050 Main Station



Power cord



Crucible



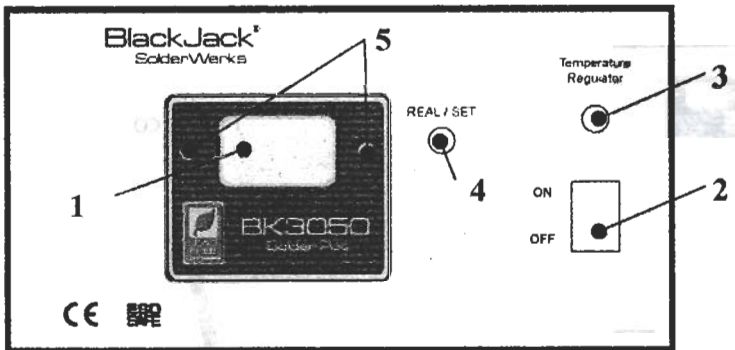
Instruction Manual

SPECIFICATIONS

Power Input:	Available in 110V / 220V
Dimensions:	265(l) x 180(w) x114(h) mm
Power Consumption:	500W (maximum)
Temperature Range:	100°C - 350°C
Heating Element:	IR Heating

Specifications are subject to change without prior notice

CONTROL PANEL GUIDE



Front Panel

LEGEND:

- 1 — Digital Display
- 2 — Power Switch
- 3 — Temperature Regulator
- 4 — Real/Set Temperature Toggle Switch.
- 5 — Heating Indicator.

OPERATING PROCEDURES

A. INITIAL PROCEDURES

1. Make sure power switch are in off position.
2. Attach power cord to the power cord to the system.
3. Plug the device to the main power source.
4. To turn the unit ON.

B. INITIAL OPERATION

1. Follow initial procedures, "**A. INITIAL PROCEDURES**".
2. For empty solder pots, turn on the main power switch ("2" from the panel) to start preheating crucible.
3. Press the real/set temperature toggle switch ("4" from the panel) to set temperature position. Then adjust temperature using the temperature regulator knob ("4" from the panel). Set system to desired temperature.
4. Wait for 5-10 minutes or until a small amount of solder can be melted before placing solder bars to be melted inside the crucible.
5. **Ensure that the external sensor is able to dip into the melted solder for temperature regulation to be achieved.** Failure to do so can cause heating element to overheat and damage the system.
6. The heating indicator lamps will switch between green and red to signify the system is regulating the pot temperature.
7. Press the Real/Set Temperature Toggle Switch ("4" from the panel) , to switch to real temperature display for monitoring the actual temperature of the melted solder.



WARNING: Take caution on solid solder bars placed inside the crucible, ensure that the solid solder bars will not flip over when it has began to melt which may cause serious injury.