

USER MANUAL

EB-9000S

CURIE HEAT TECHNOLOGY SOLDERING/REWORK STATION

9.24.10

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EB-9000S SPECIFICATIONS

Input Line Voltage: EB-9000S	100-110 VAC
Tip to Ground Potential:	<2mV, true RMS 50-500Hz
Tip to Ground Resistance:	<2 Ohms DC
Idle temperature Stability:	+/- 1.1°C (2 °F)
Ambient Operating Temperature:	10-40 °C (50 °F -104 °F)
Maximum Enclosure Temperature:	50 °C (122 °F)
Fuse:	250V 2A “Slo-Blo”
Output Power (Maximum):	40 Watts
Output Frequency:	13.56 MHz
Size (W x H x D):	8.36” x 4.65” x 5.2”
Weight:	7.65 lbs.
LCD display:	2.36” x 0.63”
Input Line Frequency:	50/60 Hz
Certification marks:	cTUVus, CE, GS

INTRODUCTION

Congratulations on your purchase of the EB-9000S soldering/rework station. This unit has been tested and inspected by Easy Braid prior to shipment, and with proper maintenance will give you years of reliable performance.

A complete EB-9000S station consists of:

- 13.56 MHz Power Supply
- Detachable soldering iron stand with sponge and brass curl
- Tip removal Pad
- EBM8CH176 Solder tip cartridge

Soldering Station Components:

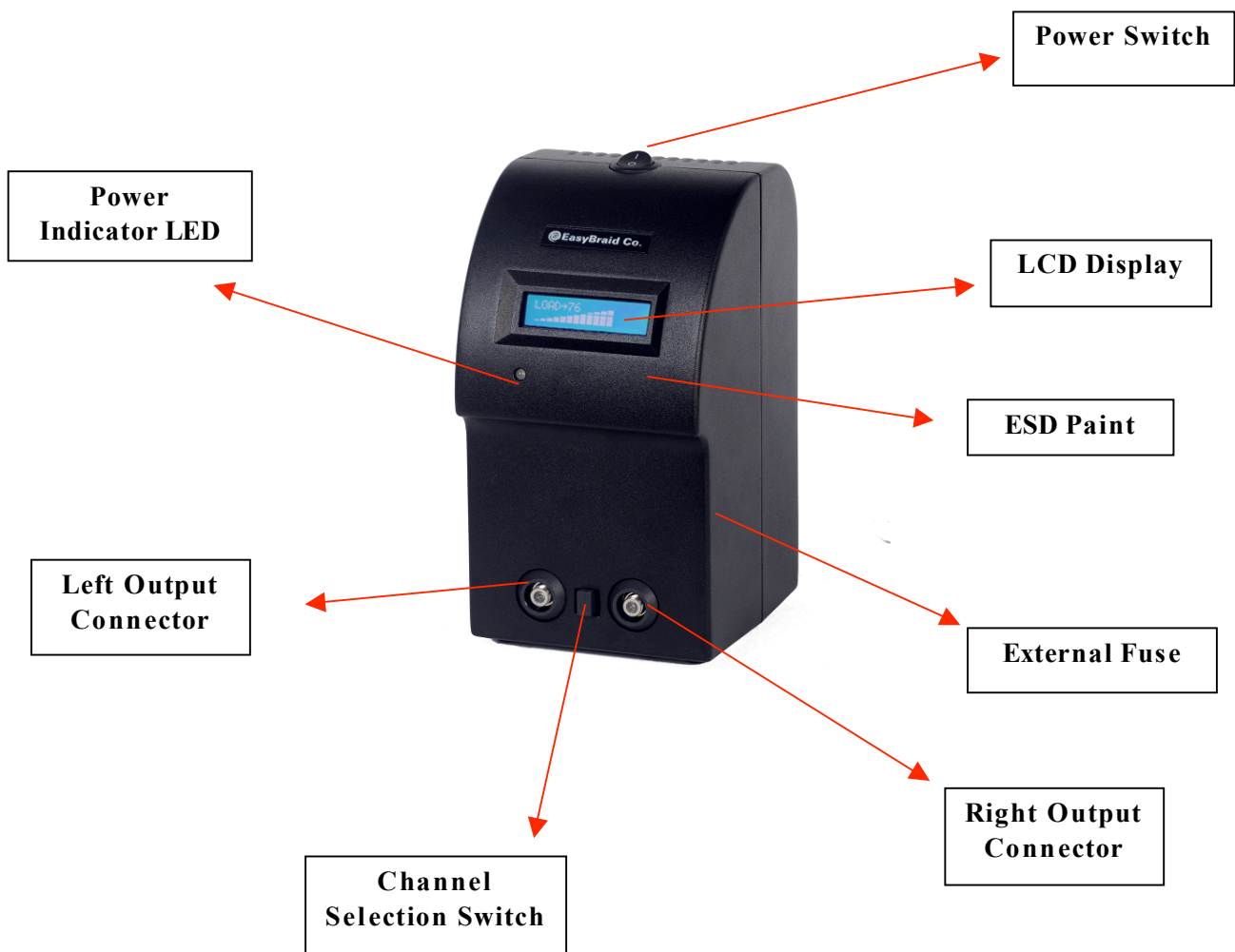
EB-9000PS	Power Supply
EBSHH-1	Soldering Handpiece Holder
EBSHP-1	Soldering Handpiece
EBRMP-1	Tip Removal Pad
EBSG-1-G	Soldering handpiece grip, Green
EBSG-1-GY	Soldering handpiece grip, Gray
EBBC-1	Brass Curls
EBSPG-1	Sulphide Free Sponge
EBM8CH176	Soldering tip cartridge

SYSTEM FEATURES

Power Supply:

The EB-9000S power supply is manufactured from the finest materials and is the most compact 13.56MHz power supply available on the market today. It includes:

- LCD display with built in power indicator and tip cartridge status
- Dual switchable output
- External fuse for ease of service



Power Supply LCD Mode



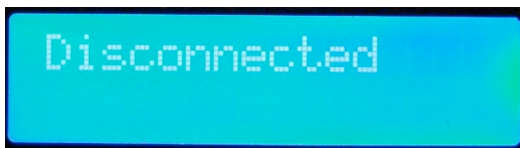
Start up



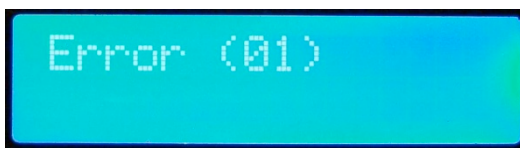
Working Mode



Ready Mode



Handpiece not connected



Error Codes are factory set. If a malfunction occurs, contact your local distributor.

HAND-PIECE FEATURES

The unique EBSHP-1 hand piece is comfortable to use, lightweight and well balanced. The clever handle design incorporates an aluminium front section, with either gray or green grips and an ESD safe, nylon rear that minimizes heat transfer and ensures operator comfort.

Complete Handpiece assembly including cartridge removal pad



To change grip, unscrew the front retaining cap and slide off the old grip.

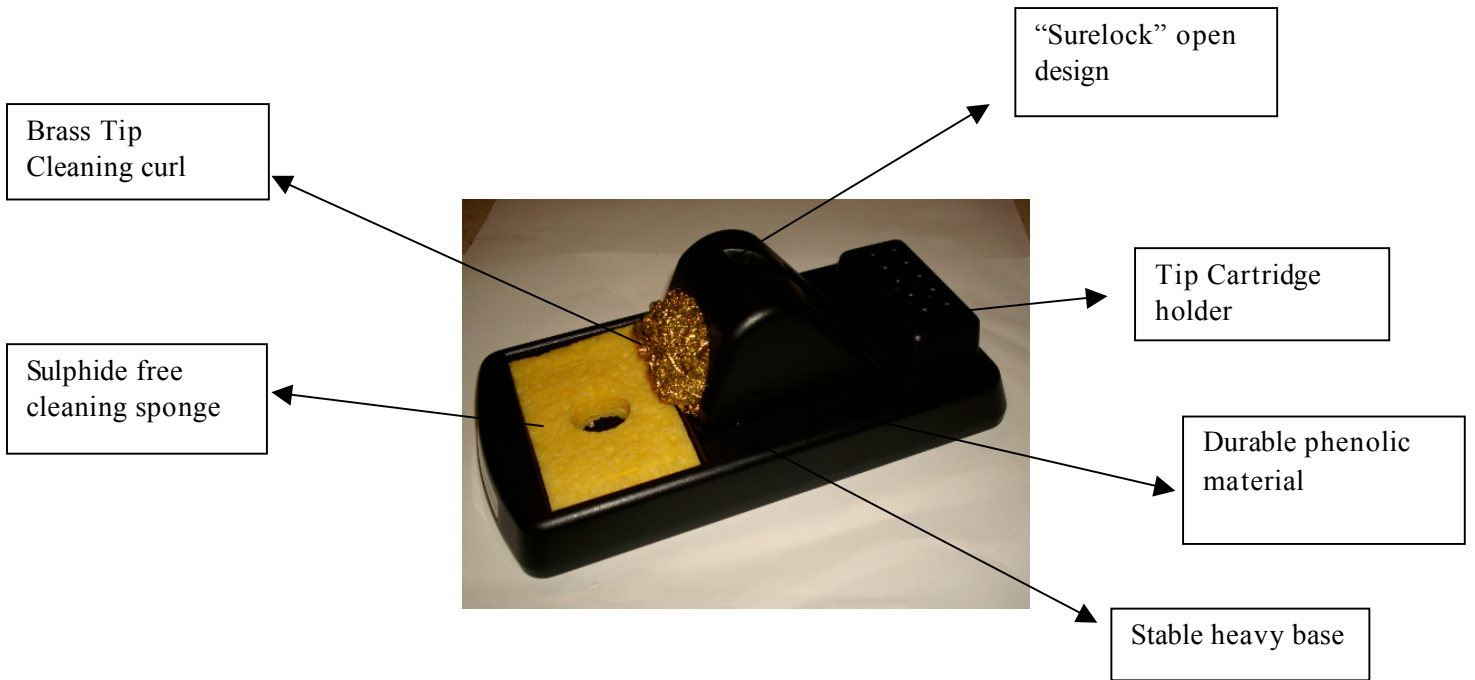


Insert new grip and retighten front cap.



WORKSTAND FEATURES

The EBSHH-1 work stand is manufactured from durable phenolic material; the unique “surelock ” iron holder has an open design that will keep the handpiece stable and cool when in use.



UNPACKING/ASSEMBLY/OPERATION

Please read this manual and follow the directions before using the equipment.
The carton contains:

1. Instruction manual
2. EB-9000PS power supply
3. EBSHH-1 Soldering handpiece holder, including Brass curls and sponge
4. EBSHP-1 Soldering handpiece, with green and gray grips,
5. EBRMP-1 Tip removal pad
6. EBM8CH176 Soldering Cartridge

Important: Keep all shipping materials until satisfactory operation has been verified.

Assembly and Operation

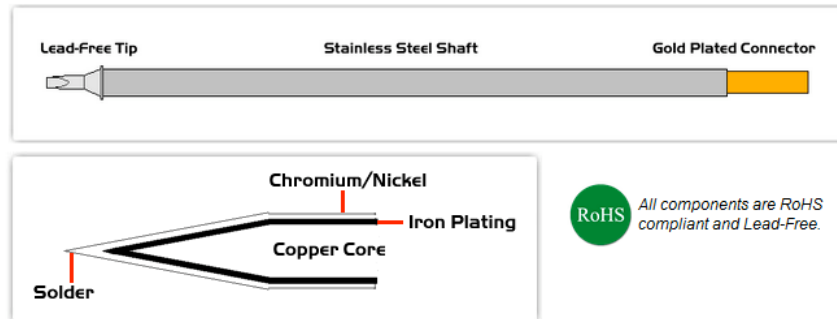
1. Remove EB-9000PS power supply base from its box and place on a suitable work bench equipped with AC power.
2. Remove the EBSHH-1 work stand from its box. The unit should include a brass tip cleaning curl and a rectangular sulphide free sponge.
3. Remove the EBSHP-1 handpiece from its box and place into iron holder.
4. Plug the handpiece cord into one of the front connectors and ensure that the slide switch is positioned towards the plugged handpiece.
5. Plug tip cartridge into handpiece
6. Moisten the sponge with DE-Ionized water.
7. Connect the AC plug to a suitable AC power outlet.
8. Switch the power switch to the “on” position.
9. Allow a few seconds for tip cartridge to reach soldering temperature.
10. The unit should be ready to use.

Temperature Calibration

Easy Braid “Curie Heat Technology” systems do not require temperature calibration. The technology is very precise and is self regulating. The alloy used in the construction of the tip cartridge will maintain the set temperature for its entire life.

TIP CARTRIDGE REPLACEMENT/MAINTENANCE

Material Composition



Tip Cartridge replacement

Easy Braid tip cartridges are very easy to install and remove; make sure that you turn off the power supply first. A simple “pull action” will disengage the tip from its connector. When reinserting a new tip, the cleverly designed inner shaft of the handpiece will self-center the tip in order to ensure quick and easy assembly. A tip removal pad is included and should be used when inserting or removing hot tips from the handpiece. This tip removal device is made of a special heat shielded material and will protect the operator.

Important notice: Pliers should not be used when tip cartridges are being extracted from or inserted into the handpiece. Any undue mechanical force may damage the heater coil and will result in premature failure of the tip cartridge.

Tip Care

1. Use good quality solder, impurities in the solder can build up on the tip, effecting heat transfer and making it difficult to solder.
2. Do not overfill the sponge tray with water, and always use DE-Ionized Water. Please change the sponge regularly; solder residue can have an abrasive effect on the end of tips and cause premature failure. Brass mesh pads can also be used for the same purpose.
3. Avoid using tip tinning pastes as they are corrosive and often leave black residue on the tips. This black residue is hard to remove and will affect the ability of the tip to take solder.
4. Keep the tip tinned at all times--a non-tinned hot tip will oxidize quickly and performance will be compromised.
5. When reinserting tips, make sure they are properly seated in the shaft of the soldering handpiece.

ORDERING GUIDE

EB-9000S

CURIE HEAT TECHNOLOGY SOLDERING SYSTEM



EASY BRAID 100-110V SYSTEM

PART NUMBER

EB-9000S

POWER SUPPLY	HANDPIECE	WORKSTAND	TIP CARTRIDGE
EB-9000PS	EBSHP-1	EBSHH-1	EBM8CH176

WARRANTY

All equipment and accessories are warranted by Easy Braid to be free from defects in materials and workmanship as follows:

Part Number	Description	Warranty Period
EB-9000PS	100-110V Power supply	4 Years
EBSHP-1	Handpiece	90 Days
EBSHH-1	Workstand	90 Days

This warranty does not apply to equipment or goods which have been tampered with, misused, damaged through improper installation or used in a manner contrary to supplier instructions. Normal “wear and tear” of equipment or goods is not covered by this warranty. If the product should become defective within the warranty period, Easy Braid will repair or replace it free of charge at its sole option. Warranty period is from the date of purchase by the original owner. If the date of purchase cannot be substantiated the date of manufacture will be used as the start of the warranty period.