

Model: 10509

STANDARD CAPACITY PROBE-STYLE RESISTANCE SOLDERING SYSTEM



American Beauty offers the most advanced and complete line of resistance soldering systems available anywhere in the world. Here are just a few of the advantages that you will find with resistance soldering systems:

- **Smash Operational Bottlenecks** - Concentrated heat reduces solder time many times over.
- **Improve Solder Joint Quality** - Poor solder joints are often the result of insufficient heat throughout the joint, creating weak spots.
- **Eliminate Thermal Damage** - Traditional soldering methods introduce too much heat into surrounding areas damaging critical components or desoldering of previously soldered joints.
- **Reduce Liability** - Light-weight handpieces cool within seconds greatly reducing likelihood of repetitive strain injury and virtually eliminating the burn risk for the user.
- **Solder in Tight Spots** - Versatile systems allow easy access to restricted areas.
- **Cut down on Energy Consumption** - Instant heat means you're not paying to heat a soldering station all day long.
- **Save on Maintenance and Consumables** - Electrodes last twice as long as soldering tips and don't require constant rewetting.

Stop trying to perform your difficult soldering operation the same old way with the same old tools. Try an American Beauty Resistance Soldering System today.

ACCESSORIES

The following products can be used as Accessories for Model 10509 featured on this page:

Model	Product Name
105127	Standard Tweezer Style Handpiece
10513A	Dual-Probe Panel Attachment w. 1/2" Electrodes
105158	Light Plier Style Handpiece
105258	Standard Plier Style Handpiece
105PTM	Resistance Soldering Precision Timer Module
105V12	Grounding Vise for Holding Parts Hands-Free
CS-FX2	Flux_2oz Jar
CS-FX4	Ruby Fluid Liquid Flux
CS-PBF2	Solder Spool

FEATURES AND BENEFITS

1,100 Watts (5.8 VAC) of Power with 23 unique settings (**Warning ~ Do not switch power settings while under load.**) provides the maximum output for handpieces that utilize tapered pin connection styles.

Light-weight, palm-sized hand piece with comfort grip padding minimizes operator fatigue. Provides electrical and thermal insulation during use.

Copper-coated carbon electrodes can be easily notched/shaped, allowing the user to customize the handpiece to their specific application.

Footswitch permits hands-free activation of power, vastly improving control of your applications and virtually eliminating the sparking that is common with other brands of resistance based systems.

REPLACEMENT PARTS

The following products can be used as replacements for Model 10509 featured on this page:

Model	Product Name
10511	1/4" Probe Style Handpiece
10512	Return Lead w. Standard Clamp
10519	Standard Footswitch
10549	1/4" Carbon Electrodes for Resistance Soldering
105B2	1,100 Watt Selectively-Variable Resistance Soldering Power Unit

TECHNICAL SPECIFICATIONS

Connection Type	Tapered Pins
Wattage	1100 watts
Electrode Size/Diameter	.25 in / 0.64 cm
Available in a 220-240 VAC?	Yes, available upon request
Product Length	12.25 in / 31.12 cm
Product Width	12.25 in / 31.12 cm
Product Height	11 in / 27.94 cm
Package Weight	24.10 lbs / 10.93 kg
Country of Origin	US
Harmonization Code:	8515.11.0000
Cage Code	02105
RoHS Compliant	Yes
BS EN IEC 60335-1:2023+A11:2023	Yes
BS EN IEC 61558-2-6 2001, UL 5085-3 2022	Yes
BS EN 60335-2-45:2002+A11:2023	Yes
WEEE Compliant	Yes
CE Certified	Yes
Warranty Policy	Details
User Manual	User Manual

SIMILAR PRODUCTS

The following products are related (similar model but different specifications, etc.) to Model 10509 featured on this page:

Model	Product Name
10508	Ultra-Light Capacity Probe-Style Resistance Soldering System
105H9	High Capacity Probe-Style Resistance Soldering System
105L9	Light Capacity Probe-Style Resistance Soldering System

APPLICATIONS

Users of this product have stated that they use it for several jobs which include but are not limited to:

1. Soldering long bus bar onto PC board
2. Soldering a hermetic seal around a Microwave/RF Filter
3. Soldering heavy copper foil
4. Soldering copper foil
5. Soldering applications in the field of medical device manufacturing
6. Soldering nickle silver fishing rod ferrules for bamboo fly rods
7. Building electronic testing equipment

END-OF-LIFE INSTRUCTIONS

In an effort to reduce waste and comply with WEEE directive, please do not dispose of product. All American Beauty Tools are serviceable and can be repaired and/or replaced. Please contact manufacturer to make arrangements.