

Model: 105L7

HIGH CAPACITY TWEezer-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 105L7 featured on this page:

Model	Product Name
10513A	Dual-Probe Panel Attachment w. .5" Dia. Electrodes
105258	Standard Plier Style Handpiece
105PTM	Resistance Soldering Precision Timer Module
485-8C	Dri-Wick Desoldering Braid in Thumb-Wheel Dispenser
CS-FX2	Flux_2oz Jar
CS-FX4	Ruby Fluid Liquid Flux
CS-PBF2	Solder Spool
SS-8	Solder Sucker (3 oz)

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.

Soft Cushion Padding For increased comfort and a secure grip when performing meticulous soldering applications. Provides excellent thermal and electrical insulation.

Copper-coated, stainless steel electrodes can be easily bent, 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 105L7 featured on this page:

Model	Product Name
105127	Standard Tweezer Style Handpiece
10519	Standard Footswitch
10594	.125" Steel Electrodes for Resistance Soldering
105B2	1,100 Watt Selectively-Variable Resistance Soldering Power Unit

TECHNICAL SPECIFICATIONS

Connection Type	Tapered Pins
Wattage	1100 watts
Opening between Electrodes	.625 in / 1.59 cm
Electrode Size/Diameter	.125 in / 0.32 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	10.75 in / 27.31 cm
Package Weight	24.95 lbs / 11.32 kg
Country of Origin	US
Cage Code	02105
Harmonization Code:	8515.11.0000
RoHS Compliant	Yes
BS EN IEC 61558-2-6 2001, UL 5085-3 2022	Yes
BS EN IEC 60335-1:2023+A11:2023	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 105L7 featured on this page:

Model	Product Name
10504	Standard Capacity Tweezer-Style Resistance Soldering System
10507	Standard Capacity Plier-Style Resistance Soldering System
105K5	Ultra-High Capacity Tweezer-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 a brass rod to a zinc plated brass housing
2. Soldering cable and wire harness assemblies and wire terminations for 10 AWG and finer
3. Repairing and restoration of worn or broken solar modules
4. Soldering a wide variety of Banana plug and wire or cable assemblies
5. Soldering chromel and alumel wire assemblies with silver solder alloys
6. Teaching multiple levels of resistance based soldering to students and light brazing students
7. Soldering multi-pin military connector on wire assemblies for 10 WG and finer
8. Brazing wire sculptures and similar artists and hobbyists projects and applications
9. Soldering brass components and materials related to model railroad applications in O scale and smaller

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.