

Model: 105L5

HIGH CAPACITY PLIER-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 105L5 featured on this page:

| Model | Product Name |
|----------|--|
| 10513A | Dual-Probe Panel Attachment w. 1/2" Electrodes |
| 10536 | 1/2" Probe Style Handpiece |
| 10537 | Lead for Return Current w. Heavy-Duty C Clamp |
| 10587 | Heavy-Duty Plier Style Handpiece |
| 10588 | 1/2" Dual Probe Style Handpiece |
| 105HCPTM | High Capacity Precision Timer Module |
| CS-FX2 | Flux_2oz Jar |
| CS-FX4 | Ruby Fluid Liquid Flux |
| CS-PBF2 | Solder Spool |

FEATURES AND BENEFITS

1,800 Watts (6.9 VAC) of Power with 23 unique settings (**Warning ~ Do not switch power settings while under load.**) provides intense power required to overcome difficult heat sinks.

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

Carbon block 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 105L5 featured on this page:

| Model | Product Name |
|---------|---|
| 105159 | Small Carbon Block Electrodes for Resistance Soldering |
| 10519HW | High-Wattage Footswitch |
| 105358 | Industrial Plier Style Handpiece |
| 105C1 | 1,800 Watt Selectively-Variable Resistance Soldering Power Unit |

TECHNICAL SPECIFICATIONS

| | |
|--|-----------------------------|
| Connection Type | Ring Terminals |
| Wattage | 1800 watts |
| Opening between Electrodes | .50 in / 1.27 cm |
| Electrode Size/Diameter | .25 in / 0.64 cm |
| Available in a 220-240 VAC? | Yes, available upon request |
| Product Width | 12.25 in / 31.12 cm |
| Product Height | 10.75 in / 27.31 cm |
| Package Weight | 31.35 lbs / 14.22 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 105L5 featured on this page:

| Model | Product Name |
|-------|---|
| 10505 | Ultra-High Capacity Plier-Style Resistance Soldering System |
| 10506 | Light Capacity Plier-Style Resistance Soldering System |
| 10507 | Standard Capacity Plier-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. Brazing .187" magnet wire windings on a motor stator assembly
2. Soldering wire terminations 4/0 AWG and finer
3. Soldering terminations onto 4 AWG cable
4. Soldering alternator lead for a tank
5. Soldering feed-thru pins and preforms to housing on large audio connector
6. Remanufacturing aviation generator sub-assemblies

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.