

# Model: 105K5

## ULTRA-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 105K5 featured on this page:

Model	Product Name
105HCPTM	High Capacity Precision Timer Module



### 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.

**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 105K5 featured on this page:

Model	Product Name
10519HW	High-Wattage Footswitch
105227	Industrial Tweezer Style Handpiece
10594	1/8" Steel Electrodes for Resistance Soldering
105C1	1,800 Watt Selectively-Variable Resistance Soldering Power Unit

## TECHNICAL SPECIFICATIONS

Connection Type	Ring Terminals
Wattage	1800 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 Width	12.25 in / 31.12 cm
Product Height	10.75 in / 27.31 cm
Package Weight	31.30 lbs / 14.20 kg
Country of Origin	US
Harmonization Code:	8515.11.0000
RoHS Compliant	Yes
IEC 60335-1, Edition 5.1, 2013-12	Yes
WEEE Compliant	Yes
CE Certified	Yes
Warranty Policy	Details
User Manual	User Manual
Product Lgth	12.25

## SIMILAR PRODUCTS

The following products are related (similar model but different specifications, etc.) to Model 105K5 featured on this page:

Model	Product Name
105L7	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 terminations into large, close-nested, military connectors
2. Restoration of O-scale brass trains
3. Brazing small points/connections at lower brazing temperatures
4. Soldering antennas for new 4G network

## 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.