

# Model: 10501

## ULTRA-LIGHT 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 10501 featured on this page:

Model	Product Name
105PTM	Resistance Soldering Precision Timer Module
105V12	Grounding Vise for Holding Parts Hands-Free

### FEATURES AND BENEFITS

**100 Watts of (2.6 VAC) Infinitely Variable Power** permits precision soldering and avoids damage caused by thermal overshoot.

**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 10501 featured on this page:

Model	Product Name
10519	Standard Footswitch
10541	Light Tweezer Style Handpiece
10542	5/64" Steel Electrodes for Resistance Soldering
105A3	100 Watt Infinitely-Variable Resistance Soldering Power Unit

## TECHNICAL SPECIFICATIONS

Connection Type	Tapered Pins
Wattage	100 watts
Opening between Electrodes	.25 in / 0.64 cm
Electrode Size/Diameter	.078 in / 0.20 cm
Available in a 220-240 VAC?	Yes. You will need to complete an international quote. Start by 'Add to Cart' and then select International Guest.
Product Length	8.25 in / 20.96 cm
Product Width	8.25 in / 20.96 cm
Product Height	6.50 in / 16.51 cm
Package Weight	5.30 lbs / 2.40 kg
Country of Origin	US
Harmonization Code:	8515.11.0000
RoHS Compliant	Yes
IEC 60335-1, Edition 5.1, 2013-12	Yes
IEC 60335-2-45, Edition 3.2, 2012-01	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 10501 featured on this page:

Model	Product Name
10502	Light 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 soldering wires and miniature components
2. Soldering microwave cable assemblies
3. Assembly of cable harnesses
4. Soldering Z scale model trains, turnout building, etc
5. Splicing traffic signal loops
6. Building prototype models

## 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.