

# Model: RS431

## 'WELTER WEIGHT' DUAL CARBON 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 RS431 featured on this page:

Model	Product Name
105L426	1/8" Double Carbon Electrode Handpiece
105L441	3/16" Double Carbon Electrode Handpiece
105L451	1/4" Double Carbon Electrode Handpiece
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 excellent thermal and electrical insulation.

**Carbon electrodes** can be easily pushed through the back of handpiece to adjust spacing and maximize usage.

**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 RS431 featured on this page:

Model	Product Name
10519	Standard Footswitch
105B2	1,100 Watt Selectively-Variable Resistance Soldering Power Unit
105CE532_25	Plain Carbon Electrodes
105L431	5/32" Double Carbon Electrode Handpiece

## TECHNICAL SPECIFICATIONS

Connection Type	Ring Terminals
Wattage	1,100 watts
Available in a 220-240 VAC?	Yes, available upon request
Country of Origin	US
Harmonization Code:	8515.11.0000
Cage Code	02105
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

## 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.

## SIMILAR PRODUCTS

The following products are related (similar model but different specifications, etc.) to Model RS431 featured on this page:

Model	Product Name
RS426	'Bantam Weight' Dual Carbon System
RS441	'Middle Weight' Dual Carbon System
RS451	'Heavy Weight' Dual Carbon System