

Model: 10577

HIGH CAPACITY RESISTANCE BRAZING 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 10577 featured on this page:

| Model | Product Name |
|----------|--------------------------------------|
| 105HCPTM | High Capacity Precision Timer Module |

FEATURES AND BENEFITS

3,000 Watt (10.1 VAC) of Power with 3 settings is the highest output unit we offer and is rated to sweat-solder thin wall copper tubing up to approximately 3" dia. and braze similar materials up to approximately 5/8" dia.

Heavy-Duty Plier Style Handpiece offers a good compromise between handpiece weight and longevity.

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 10577 featured on this page:

| Model | Product Name |
|---------|--|
| 10519HW | High-Wattage Footswitch |
| 10565 | Concave Carbon Block Electrodes for Resistance Soldering |
| 10587 | Heavy-Duty Plier Style Handpiece |
| 105D1 | 3,000 Watt High Capacity Resistance Soldering Power Unit |

TECHNICAL SPECIFICATIONS

| | |
|-----------------------------------|-----------------------------|
| Connection Type | Ring Terminals |
| Wattage | 3000 watts |
| Opening between Electrodes | 3 in / 7.62 cm |
| Electrode Size/Diameter | .50 in / 1.27 cm |
| Available in a 220-240 VAC? | Yes, available upon request |
| Product Length | 12.75 in / 32.39 cm |
| Product Width | 12.50 in / 31.75 cm |
| Product Height | 14.00 in / 35.56 cm |
| Package Weight | 70.50 lbs / 31.98 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 |

SIMILAR PRODUCTS

The following products are related (similar model but different specifications, etc.) to Model 10577 featured on this page:

| Model | Product Name |
|-------|---|
| 10505 | Ultra-High Capacity Plier-Style Resistance Soldering System |
| 105U9 | Probe-Style Resistance Brazing System |

APPLICATIONS

Users of this product have stated that they use it for several jobs which include but are not limited to:

1. Soldering thin wall copper pipe from 1/4" up to 3" Diameter
2. Soldering terminations for battery cable assembly
3. Brazing thin wall copper tubing up to 3/8"
4. Soldering power cable assemblies
5. Brazing repairs for Refrigeration Sealed System
6. Soldering connect rings around propellor
7. Brazing applications for **aircraft** repairs.
8. Cutting high-tension guide cables
9. Brazing DC Motor winding connections

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.