

## Model: 3178-300

### 300 WATT, 7/8" HEAVY-DUTY SOLDERING IRON

American Beauty heavy-duty irons are ideal for heavy soldering jobs and production-line environments. Created by compression winding a special Ni-Chrome heating alloy onto a steel spool, all elements demonstrate an unsurpassed heat capacity and outstanding durability. Protective casings cut from a single block of steel are strengthened with multiple heat treatments and precision brazed for optimal strength and efficiency. *(Stand Included)*

#### ACCESSORIES

The following products can be used as Accessories for Model 3178-300 featured on this page:

| Model     | Product Name  |
|-----------|---|
| 45D       | Diamond Style Soldering Tip                             |
| 45S       | Screwdriver Style Soldering Tip                         |
| CS-ABKIT  | Soldering Iron Maintenance Kit for 1/4" thru 9/8" Irons |
| CS-BS2    | Brass Sponge Tip Cleaner                                |
| CS-FX3    | Flux_4 oz Jar with Cap Brush                            |
| CS-FX5    | Ruby Fluid Liquid Flux (Pint)                           |
| CS-ISB-78 | 7/8" Industrial Spiral Brush                            |
| CS-PB50-3 | Solder_Meter Bar_Lead Bearing                           |
| CS-PBF3   | Solder_Meter Bar_PB Free                                |
| CS-TT2    | Solid Sal Ammoniac Block                                |
| V3700     | Voltage Controller for Soldering Irons & Pots           |



#### FEATURES AND BENEFITS

**Ni-Chrome Compression Wound Heating Elements** are proven to be the most reliable heating element for maintaining soldering temperature in production environments.

**Paragon Iron-Clad Lead-Free Soldering Iron Tips** consistently outperform and outlast ordinary soldering iron tips many times over. **Plug-style tip design** provides for superior heat transfer and easy cleaning.

**Hardwood handle** provides superior thermal and electrical insulating properties and durability.

**Modular construction** allows for easy replacement of consumable parts allowing for tools to last for generations.

#### REPLACEMENT PARTS

The following products can be used as replacements for Model 3178-300 featured on this page:

| Model    | Product Name   |
|----------|--|
| 3919     | Replacement Handle/Cord set for Heavy-Duty Irons       |
| 3934     | Replacement Item_Set Screws                            |
| 45C      | Chisel Style Soldering Tip                             |
| 9277-300 | Replacement 300 Watt Compression-Wound Heating Element |

## TECHNICAL SPECIFICATIONS

|                                 |                             |
|---------------------------------|-----------------------------|
| Standard Tip Style              | Chisel                      |
| Wattage                         | 300 watts                   |
| AMP Draw                        | < 3 Amp                     |
| Maximum Temperature             | 1050 °F / 566°C             |
| Stand included?                 | Yes                         |
| Available in a 220-240 VAC?     | Yes, available upon request |
| Tip Diameter                    | .875 in                     |
| Tip Length                      | 5.14 in / 13.06 cm          |
| Product Length                  | 14.375 in / 36.51 cm        |
| Product Width                   | 3 in / 7.62 cm              |
| Product Height                  | 3 in / 7.62 cm              |
| Product Weight                  | 3.30 lbs / 1.50 kg          |
| Package Dimensions (Inches)     | 17-3/4 by 3-1/4 by 3-1/4    |
| Package Weight                  | 4 lbs / 1.81 kg             |
| Country of Origin               | US                          |
| Cage Code                       | 02105                       |
| Harmonization Code:             | 8515.11.0000                |
| RoHS Compliant                  | 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                         |
| Understanding Tip Measurements  | Explanation                 |
| Warranty Policy                 | Details                     |
| User Manual                     | User Manual                 |

## SIMILAR PRODUCTS

The following products are related (similar model but different specifications, etc.) to Model 3178-300 featured on this page:

| Model     | Product Name                               |
|-----------|--|
| 3178E-300 | 300 Watt Heavy-Duty Ergo Iron              |
| 3198-550  | 550 Watt, 1-1/8" Heavy-Duty Soldering Iron |
| A29306    | 300 Watt, 5/8" Heavy-Duty Soldering Iron   |
| A29406    | 400 Watt, 5/8" Heavy-Duty Soldering Iron   |

## APPLICATIONS

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

1. Testing fire/heat detectors in no-flame areas (gas stations)
2. Melting self-adhesive plastic onto itself
3. Soldering connections during the manufacturing of motors
4. Soldering sheet metal (20 gauge & thinner copper gutters, awnings, roofs and flashing)
5. Soldering down Spout to 1/2 Round Copper Gutter
6. Restoration of antique automotive starters
7. Soldering fabricated letters made from sheet metal
8. Soldering sculptural building/tool making
9. Soldering Solder Blocks in Flat Braided Wire
10. Restoration of galvanized tin trim & molding on 1915 row-home
11. Heating Bolts
12. Soldering copper wire connections
13. Soldering and desoldering aircraft components
14. Soldering connections on automobile auto-starters
15. Soldering copperfoil, splicing high-voltage wire cables
16. Reflowing solder for purpose of hermetically sealing instrumentation
17. Assembly copper, lead coat copper, & brass lanterns
18. Soldering Cable Splicing
19. Soldering RF shielded enclosures
20. Repairing auto-body damage

## 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.