

# 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
V3700	Voltage Controller for Heavy-Duty 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

Tip Diameter	.875 in
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
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
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
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
3198-550	550 Watt, 1-1/8" 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.