



## 300 Watt, 7/8" Heavy-Duty Soldering Iron Model: 3178-300



### Description

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.

### 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.

## Technical Specifications

<b>Is a stand included?</b>	Yes
<b>User Manual</b>	Download
<b>Tip Diameter</b>	.875 in
<b>Standard Tip Style</b>	Chisel
<b>Is a high voltage version (220-240VAC) available?</b>	Yes
<b>AMP Draw</b>	< 3 Amp
<b>Product Length</b>	14.375 in / 36.51 cm
<b>Maximum Temperature</b>	1050 °F / 565.56°C
<b>Is a high voltage version (220-240VAC) available?</b>	Yes
<b>RoHS Compliant</b>	Yes
<b>Wattage</b>	300 watts
<b>Country of Origin</b>	US
<b>Package Length</b>	16.25 in / 41.28 cm
<b>Package Width</b>	3.00 in / 7.62 cm
<b>Package Height</b>	3.00 in / 7.62 cm
<b>Shipping Weight</b>	3.30 lbs / 1.50 kg
<b>Warranty Policy</b>	Details

## 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

## Replacement Parts

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

Model	Product Name	Price
3919	Replacement Handle/Cord set for Heavy-Duty Irons	\$20.50
45C	Chisel Style Soldering Tip	\$62.00
9277-300	Replacement 300 Watt Compression-Wound Heating Element	\$93.00

## Accessories

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

Model	Product Name	Price
45D	Diamond Style Soldering Tip	\$62.00
45S	Screwdriver Style Soldering Tip	\$62.00
CS-78KIT	Soldering Iron Maintenance Kit for 7/8" Irons	\$31.00
V3700	Voltage Controller for Heavy-Duty Irons & Pots	\$144.00

## Similar Products

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

Model	Product Name	Price
3198-550	550 Watt, 1-1/8" Heavy-Duty Soldering Iron	\$313.00