

# Model: 3178E-300

## 300 WATT HEAVY-DUTY ERGO IRON

Reaching a maximum tip temperature of 1,000°F, the American Beauty 300 Watt Ergo Iron is an industrial-duty soldering iron especially designed for professionals who depend on soldering for their livelihoods. Using a traditional stick-style soldering iron frequently causes wrist stress as the soldering iron has to be held at an awkward angle. The nearly 90 degree angle of the ergo iron allows the operator to use the soldering iron from a comfortable position, enabling them to focus on their work instead of their discomfort. *(Stand Included)*

### ACCESSORIES

The following products can be used as Accessories for Model 3178E-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

The **near 90 degree angle** in the soldering iron casing allows the user to operate the iron from an ergonomically comfortable position, reducing tension in the hand and wrist.

**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 3178E-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
Product Width	4 in / 10.16 cm
Product Height	4 in / 10.16 cm
Package Weight	3.3 lbs / 1.50 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
Product Lgth	16

## SIMILAR PRODUCTS

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

Model	Product Name
3198E-550	550 Watt Heavy-Duty Ergo Iron

## APPLICATIONS

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

1. Restoration of copper flashings
2. Soldering Copper, Zink, and Galvanized sheet metal.
3. Soldering MRI RF Enclosures
4. Soldering air duct to **air-tight** status
5. Soldering vintage tube amplifier chassis
6. Soldering a ground strap onto power cables
7. Soldering action brackets in pianos
8. Pre-tinning buss bars on transformers
9. Cutting apart molded plastic parts
10. Soldering alternator and starter rebuilding

## 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.