

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)*

Great for copper gutters, dormers, awnings, stainless steel or galvanized roofing, Brass fixturing and similar manufacturing or hobbyist and artisan applications.

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
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

The **near 90 degree angle** in the soldering iron casing allows the operator to use 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 Will 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
Connection Type	NEMA 5-15P
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	12 in / 30.48 cm
Product Width	4 in / 10.16 cm
Product Height	4 in / 10.16 cm
Product Weight	3.3 lbs / 1.50 kg
Package Weight	3.3 lbs / 1.50 kg
Country of Origin	US
Harmonization Code:	8515.11.0000
Cage Code	02105
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
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
3178-300	300 Watt, 7/8" Heavy-Duty Soldering Iron
3198-550	550 Watt, 1-1/8" Heavy-Duty Soldering Iron
3198E-550	550 Watt Heavy-Duty Ergo 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. 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.