

Model: 3138E-100

100 WATT HEAVY-DUTY ERGO-IRON

An exacting laser cut followed by a precision brazing operation turns our Heavy-duty soldering iron into an Ergo Iron. Ergo Irons have initial wattages ranges from 60 to 175 Watts with corresponding maximum tip temperatures of 850°F to 1025°F. Soldering all day can be a real challenge. Workers have to deal with the heat, the fumes and the weight of the soldering iron itself. We developed the Ergo iron to make it a little easier by reducing the tension on their hands and wrists. We felt it was the least we could do. The near 90 degree angle in the soldering iron casing allows the user to operate the iron from an ergonomically comfortable position. The irons perform to the same exacting standards as our straight irons and are covered by the same warranty. *(Stand Included)* Excellent for sheet metal, light electrical, heavy electronic stained glass and other applications.



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 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.

ACCESSORIES

The following products can be used as Accessories for Model 3138E-100 featured on this page:

Model	Product Name
43C	Chisel Style Soldering Tip
43S	Screwdriver Style Soldering Tip
481	'Well-Type' Solder Tip Cleaner
485-8C	Dri-Wick Desoldering Braid in Thumb-Wheel Dispenser
CS-ABKIT	Soldering Iron Maintenance Kit for 1/4" thru 9/8" Irons
CS-ISB-38	3/8" Industrial Spiral Brush
CS-PBF2	Solder Spool
CS-TT2	Solid Sal Ammoniac Block
V3700	Voltage Controller for Soldering Irons & Pots

APPLICATIONS

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

1. Soldering hobby work with tin
2. Soldering stained glass applications

TECHNICAL SPECIFICATIONS

Standard Tip Style	Diamond
Wattage	100 watts
AMP Draw	< 1 Amp
Connection Type	NEMA 5-15P
Maximum Temperature	925 °F / 496°C
Stand included?	Yes
Available in a 220-240 VAC?	Yes, available upon request
Tip Diameter	.375 in
Tip Length	4.375 in / 11.11 cm
Product Length	16 in / 40.64 cm
Product Width	4 in / 10.16 cm
Product Height	4 in / 10.16 cm
Product Weight	1.3 lbs / 0.59 kg
Package Weight	2.90 lbs / 1.32 kg
Country of Origin	US
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 3138E-100 featured on this page:

Model	Product Name
3138-100	100 Watt, 3/8" Heavy-Duty Soldering Iron
3138-130	130 Watt, 3/8" Heavy-Duty Soldering Iron
3138-150	150 Watt, 3/8" Heavy-Duty Soldering Iron
3138E-130	130 Watt Heavy-Duty Ergo-Iron
3138E-150	150 Watt Heavy-Duty Ergo-Iron
3138X-175	175 Watt, 3/8" Heavy-Duty Soldering Iron
3138XE-175	175 Watt Heavy-Duty Ergo-Iron
A61006	100 Watt, 3/8" Medium-Duty Soldering Iron
A61306	130 Watt, 3/8" Medium-Duty Soldering Iron
A61506	150 Watt, 3/8" Medium-Duty Soldering Iron
A62006	200 Watt, 3/8" Medium-Duty Soldering Iron

REPLACEMENT PARTS

The following products can be used as replacements for Model 3138E-100 featured on this page:

Model	Product Name
3919	Replacement Handle/Cord set for Heavy-Duty Irons
3933	Replacement Item_Set Screws
43D	Diamond Style Soldering Tip
9273-100	Replacement 100 Watt Compression-Wound Heating Element

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.