

# Model: 3138-100

## 100 WATT, 3/8" 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 precisionbrazed for optimal strength and efficiency. (*Stand Included*)

### ACCESSORIES

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

Model	Product Name
43C	Chisel Style Soldering Tip
43S	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 3138-100 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

## TECHNICAL SPECIFICATIONS

Tip Diameter	.375 in
Standard Tip Style	Diamond
Wattage	100 watts
AMP Draw	< 1 Amp
Maximum Temperature	925 °F / 496°C
Stand included?	Yes
Available in a 220-240 VAC?	Yes, available upon request
Product Length	14 in / 35.56 cm
Product Width	2.25 in / 5.72 cm
Product Height	2.25 in / 5.72 cm
Product Weight	1.3 lbs / 0.59 kg
Package Dimensions (Inches)	16-1/2 by 2-3/4 by 2-3/4
Package Weight	2 lbs / 0.91 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 3138-100 featured on this page:

Model	Product Name
3138-130	130 Watt, 3/8" Heavy-Duty Soldering Iron
3138-150	150 Watt, 3/8" Heavy-Duty Soldering Iron
3138X-175	175 Watt, 3/8" 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. Soldering stained glass art-work
2. Soldering cover to enclosure on electronic assemblies for aircraft applications.
3. Soldering Copper shield for MRI
4. Melting plastic bubbles
5. Soldering wire terminations during fabrication of control panel
6. Soldering small points/connections
7. Soldering sheet metal, tin and copper
8. Burning holes in fabric
9. Soldering heavy jobs for home hobbyist
10. Soldering plumbing (sweating) thin-walled copper
11. Soldering sheet metal, joining seems in zinc countertops
12. Cutting PVC liners
13. Performing general household repairs
14. Soldering various connectors in **Automotive Environment** including battery cables
15. Removing flash from rubber parts
16. Soldering Drones

## 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.