



Soldering Irons

Heavy-Duty Soldering Irons

Designed & Built for Ultimate Reliability!

Where there is "heavy" soldering to do, these American Beauty® irons are on the job the world over. Each element is compression wound Ni-Chrome on a steel spool and is Hi-Pot Tested (dielectric withstand testing) at 1200 V. Uses include general production, marine, aviation, railroad, sheet metal and repair work. Also, ideal for stained glass professionals. Please take a moment to examine our [Model V3700 Voltage Control Unit](#) which saves you money while improving your operations.

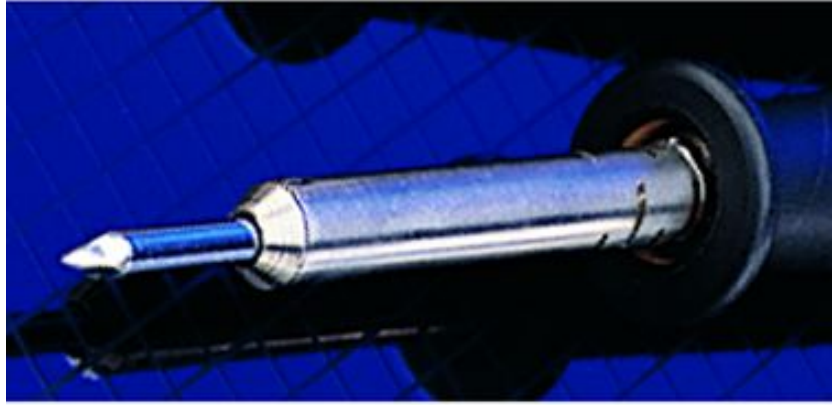
American Beauty Soldering Tools are proudly manufactured by Assembly Technologies International, Inc.
 17761 E. 14th Ave.
 Clayson, MI 48017-1059
 United States
 Phone: (248) 280-2810
 Fax: (248) 280-2878

Features & Benefits:

- **Ni-Chrome Wound Heating Element** - Proven industry's most reliable heating element.
- **Paragon® Iron-Clad Tips** - Outlasts ordinary tips many times over!
- **Iron Uses Plug-Type Tips** - Superior heat transfer. Minimizes maintenance.
- **Hardwood Handles** - Selected for their thermal insulating properties and durability. Rubberoid finish.
- **Modular Construction** - Easy replacement of any part.

Concerned about heat build up in your soldering iron's handle? Add our [High Heat Package](#) to your next order.





**Mid-Range Industrial
Soldering Iron
Model 3114**

Common Applications: Available in 60 or 75 Wattage Varieties, this product is one of our two Mid-Range Soldering Irons, offering the power of the Model 3125 in a body that is three and a quarter inches shorter. Perfect for light electrical and sheet metal work, heavy electronic work.

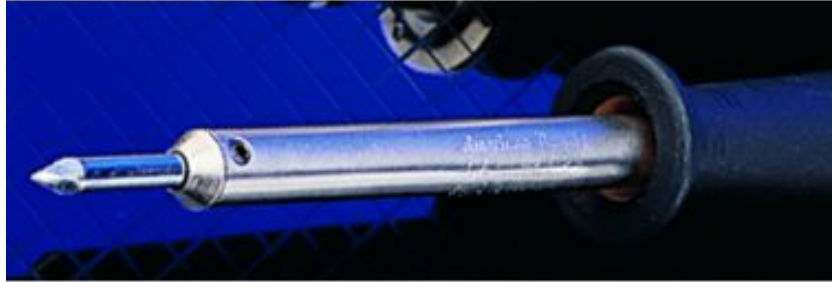
Specifications:

- WATTAGE - **60, 75 Watts**
- REPLACEMENT HEATING ELEMENT NUMBER - **9270**
- MAXIMUM TIP TEMPERATURE (F) - **945°F, 1000°F**
- MAXIMUM TIP TEMPERATURE (C) - **507°C, 538°C**
- OVERALL LENGTH - **9" (22.9cm)**
- TIP SHANK DIAMETER - **1/4" (6.35mm)**
- TIP LENGTH - **3 3/8" (5.82cm)**
- PRODUCT WEIGHT - **5 oz. (.14 kg)**
- SHIPPING WEIGHT - **1 lb. (.45 kg)**

The following Paragon® tip comes standard with this item:

- [67D](#) - Paragon Soldering Iron Tips

We also offer the following additional Paragon® tips for this item: [67S](#), [227](#), [234](#), [272](#)



**Mid-Range Industrial
Soldering Iron
Model 3125**

Common Applications: Available in 60 & 75 Wattage Varieties, this product is our standard Mid-Range Soldering Iron. Performs the same applications as Model 3114 but allows operator to work at a more comfortable distance from the application.

Specifications:

- WATTAGE - **60, 75 Watts**
- REPLACEMENT HEATING ELEMENT NUMBER - **9271**
- MAXIMUM TIP TEMPERATURE (F) - **850°F, 930°F**
- MAXIMUM TIP TEMPERATURE (C) - **454°C, 499°C**
- OVERALL LENGTH - **12¼" (31.1cm)**
- TIP SHANK DIAMETER - **1/4" (6.35mm)**
- TIP LENGTH - **3 3/8" (5.72cm)**
- PRODUCT WEIGHT - **6 oz. (.17 kg)**
- SHIPPING WEIGHT - **1 lb. (.45 kg)**

The following Paragon® tip comes standard with this item:

- [67D](#) - Paragon Soldering Iron Tips

We also offer the following additional Paragon® tips for this item: [67S](#), [227](#), [234](#), [272](#)



**Heavy-Duty
Soldering Iron
Model 3138**

Common Applications: Available in 100, 130 and 150 Wattage Varieties, this product is our most versatile soldering iron answering the needs of a wide variety of applications. Higher wattage irons should be reserved for production style usage.

Specifications:

- WATTAGE - **100, 130, 150 Watts**
- REPLACEMENT HEATING ELEMENT NUMBER - **9273**
- MAXIMUM TIP TEMPERATURE (F) - **855°F, 955°F, 1010°F**
- MAXIMUM TIP TEMPERATURE (C) - **457°C, 513°C, 543°C**
- OVERALL LENGTH - **12 7/8" (32.7cm)**
- TIP SHANK DIAMETER - **3/8" (9.5mm)**
- TIP LENGTH - **4 3/8" (11.1cm)**
- PRODUCT WEIGHT - **13 oz. (.37 kg)**
- SHIPPING WEIGHT - **2 lbs. (.91 kg)**

The following Paragon® tip comes standard with this item:

- [43D](#) - Paragon Soldering Iron Tips

We also offer the following additional Paragon® tips for this item: [43C](#), [227](#), [823](#), [830](#)



**Heavy-Duty
Soldering Iron
Model 3138X**

Common Applications: Operating at 175 Watts, the Model 3138X is specifically engineered to function at the higher range of the heating elements parameters. Should be reserved for production style usage or high heat sink operations.

Specifications:

- WATTAGE - **175 Watts**
- REPLACEMENT HEATING ELEMENT NUMBER - **9273X**
- MAXIMUM TIP TEMPERATURE (F) - **1025°F**
- MAXIMUM TIP TEMPERATURE (C) - **552°C**
- OVERALL LENGTH - **12 7/8" (32.7cm)**
- TIP SHANK DIAMETER - **3/8" (9.5mm)**
- TIP LENGTH - **4 3/8" (11.1cm)**
- PRODUCT WEIGHT - **13 oz. (.37 kg)**
- SHIPPING WEIGHT - **2 lbs. (.91 kg)**

The following Paragon® tip comes standard with this item:

- [43D](#) - Paragon Soldering Iron Tips

We also offer the following additional Paragon® tips for this item: [43C](#), [227](#), [823](#), [830](#)



**Heavy-Duty
Soldering Iron
Model 3158**

Common Applications: Operating at 200 Watts, the Model 3158 is appropriate for heavy electrical work and intermediate sheet metal work. While the temperature is similar to lower model numbers, this larger iron offers the user greater ability to perform applications due to its larger capacity to store heat.

Specifications:

- WATTAGE - **200 Watts**
- REPLACEMENT HEATING ELEMENT NUMBER - **9275**
- MAXIMUM TIP TEMPERATURE (F) - **1000°F**
- MAXIMUM TIP TEMPERATURE (C) - **538°C**
- OVERALL LENGTH - **13" (33.0cm)**
- TIP SHANK DIAMETER - **5/8" (15.9mm)**
- TIP LENGTH - **4 11/16" (11.9cm)**
- PRODUCT WEIGHT - **24 oz. (.68 kg)**
- SHIPPING WEIGHT - **3 lbs. (1.36 kg)**

The following Paragon® tip comes standard with this item:

- [44D](#) - Paragon Soldering Iron Tips

We also offer the following additional Paragon® tips for this item: [44C](#)



**Heavy-Duty
Soldering Irons
Model 3158X**

Common Applications: Operating at 250 Watts, the Model 3158X is similar to the 3138X in the aspect of being specifically designed to function at the higher range of the heating element. Should be reserved for production style usage or high heat sink operations.

Specifications:

- WATTAGE - **250 Watts**
- REPLACEMENT HEATING ELEMENT NUMBER - **9275X**
- MAXIMUM TIP TEMPERATURE (F) - **1000°F**
- MAXIMUM TIP TEMPERATURE (C) - **538°C**
- OVERALL LENGTH - **13 5/8" (34.6cm)**
- TIP SHANK DIAMETER - **5/8" (15.9mm)**
- TIP LENGTH - **4 11/16" (11.9cm)**
- PRODUCT WEIGHT - **24 oz. (.68 kg)**
- SHIPPING WEIGHT - **3 lbs. (1.36 kg)**

The following Paragon® tip comes standard with this item:

- [44D](#) - Paragon Soldering Iron Tips

We also offer the following additional Paragon® tips for this item: [44C](#)



**Heavy-Duty
Soldering Iron
Model 3178**

Common Applications: Operating at 300 Watts, the Model 3178 is a true workhorse soldering iron and will handle heavy electrical and sheet metal work.

Specifications:

- WATTAGE - **300 Watts**
- REPLACEMENT HEATING ELEMENT NUMBER - **9277**
- MAXIMUM TIP TEMPERATURE (F) - **1000°F**
- MAXIMUM TIP TEMPERATURE (C) - **538°C**
- OVERALL LENGTH - **14 3/8" (36.5cm)**
- TIP SHANK DIAMETER - **7/8" (22.2mm)**
- TIP LENGTH - **5 5/32" (13.1cm)**
- PRODUCT WEIGHT - **37 oz. (1.05 kg)**
- SHIPPING WEIGHT - **4 lbs. (1.81 kg)**

The following Paragon® tip comes standard with this item:

- [45C](#) - Paragon Soldering Iron Tips

We also offer the following additional Paragon® tips for this item: [45D](#)



**Heavy-Duty
Soldering Iron
Model 3198**

Common Applications: With 550 Watts of output, the Model 3198 is the largest and most powerful soldering iron in the American Beauty family. Designed to tackle the heaviest electrical, sheet metal and industrial applications.

Specifications:

- WATTAGE - **550 Watts**
- REPLACEMENT HEATING ELEMENT NUMBER - **9279**
- MAXIMUM TIP TEMPERATURE (F) - **1010°F**
- MAXIMUM TIP TEMPERATURE (C) - **543°C**
- OVERALL LENGTH - **15" (38.1cm)**
- TIP SHANK DIAMETER - **1 1/8" (28.6mm)**
- TIP LENGTH - **5 7/8" (14.9cm)**
- PRODUCT WEIGHT - **60 oz. (2.27 kg)**
- SHIPPING WEIGHT - **5 3/4lbs. (2.61 kg)**

The following Paragon® tip comes standard with this item:

- [46C](#) - Paragon Soldering Iron Tips

We also offer the following additional Paragon® tips for this item: [46D](#)

Weight: 5.7LBS (2.565KGS)



High Heat Package
Model HH

Common Applications: Used for the Deflection of Radiant Heat from Operator's Hand and the Improved Heat Disipation from Handle.

Weight: 0.1LBS (0.045KGS)
