

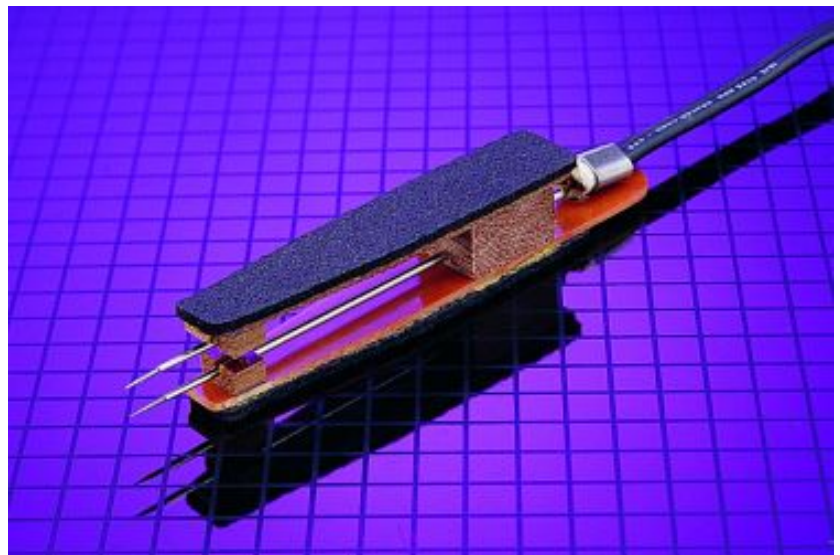
## Resistance Soldering Handpieces

American Beauty® offers the WIDEST SELECTION of Resistance Soldering and Wirestripping Handpieces in the World!

Our hand pieces are designed and built to provide absolute performance in even the toughest environments.

Resistance Soldering and Wirestripping hand pieces provide instantaneous localized heat to help you handle all of your difficult soldering needs.

- Adhere to 50% duty cycle during all applications to ensure handpiece longevity.
- Ensure that handpiece shares the same connection style as the power unit with which it is to be used.
- Virtually every handpiece can be customized to your specific needs. Phone us directly with specific requests.



**Micro-Tweezer  
Handpiece**  
Model 105133

Lightweight tool designed for micro-soldering applications in limited space; well suited for work on connections with wire 22 AWG and finer.

**Included in system:**

- [10599](#) - Micro Tweezer-Style Resistance Soldering System

**Specifications:**

- 6½" (16.5cm) total length, 4 ft. cord
- Copper-clad, stainless steel electrodes, .040" (1.02mm) diameter
- Electrodes may be formed, notched or ground to fit specific applications
- Taper pin connection style

**Weight:** 0.5LBS (0.225KGS)

**Replacement Electrodes:** Model # [105134](#)

[See Product Data Sheet](#)



**Regular Tweezer  
Handpiece**  
Model [10541](#)

Ideal tool for intricate soldering applications, combining intense heat with precise contact points.

**Included in systems:**

- [10501](#) - Light Capacity Tweezer-Style Resistance Soldering System
- [10502](#) - Standard Capacity Tweezer-Style Resistance Soldering System
- [105HCS](#) - Light Capacity Resistance Soldering Hobby System
- [105HCM](#) - Standard Capacity Resistance Soldering Hobby System
- [105HHH](#) - Deluxe Resistance Soldering Hobby System

**Specifications:**

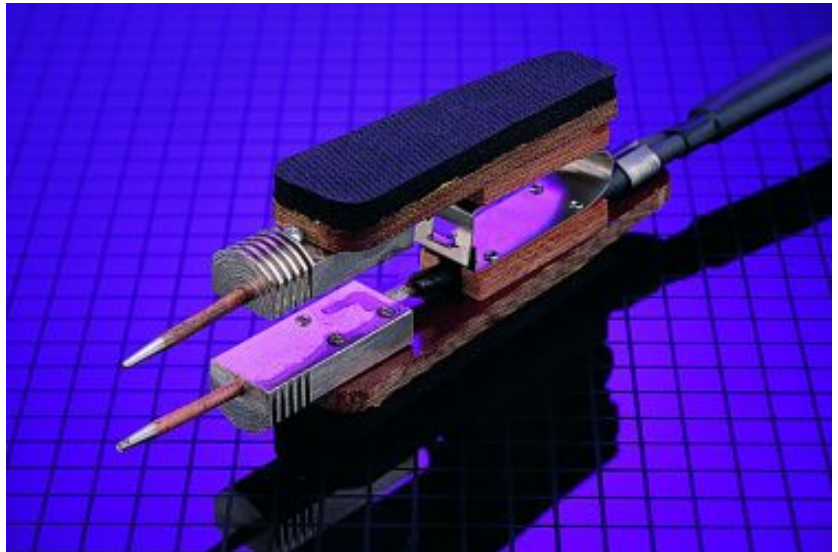
- 5" (12.7cm) total length, 4 ft. cord
- Taper Pin connection style
- Copper-clad, stainless steel electrodes .078" (1.98mm) diameter

- Electrodes may be formed, notched or ground to fit specific applications
- Space between electrodes is 3/8" (9.53mm) before any modifications

**Weight:** 1.0LBS (0.45KGS)

**Replacement Electrodes:** Model # [10542](#)

[See Product Data Sheet](#)



**Medium Tweezer  
Handpiece**  
Model [105127](#)

Our most popular tool this rugged performer is excellent for antenna leads, semi-rigid co-ax, heavy-gauge wire, terminals, lugs, posts, etc.

**Included in system:**

- [10504](#) - High Capacity Tweezer-Style Resistance Soldering System

**Specifications:**

- 7" (17.75cm) total length, 4 ft. 10 AWG high-strand DLO cable
- Copper-clad, stainless steel electrodes, .125" (3.18mm) diameter
- Approximate 1/2" opening between electrodes upon shipping
- Electrodes may be formed, notched or ground to fit specific applications
- Taper pin connection style

**Weight:** 2.0LBS (0.9KGS)

**Replacement Electrodes:** Model # [10594](#)



**Ultra-Light Fixed  
Dual-Electrode Handpieces**  
Model [10578](#)

Ideal when absolute repeatability is desired.

**Specifications:**

- 6" (15.3cm) total length, 4 ft. cord
- Taper Pin connection style
- Copper-clad, stainless steel electrodes .078" (1.98mm) diameter
- Electrodes may be formed, notched or ground to fit specific applications
- Space between electrodes is 1/8" (3.25mm) before any modifications

**Weight:** 1.0LBS (0.45KGS)

**Replacement Electrodes:** Model # [10582](#)

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**Regular Dual-  
Electrode Soldering Handpiece**  
Model [10590](#)

Ideal when repeatability is desired

**Specifications:**

- 7½" (19cm) total length, 4 ft. 10 AWG high-strand DLO cable
- Copper-clad, stainless steel electrodes, .125" (3.18mm) diameter
- Approximate 3/8" opening between electrodes upon shipping
- Electrodes may be formed, notched or ground to fit specific applications
- Taper pin connection style

**Weight:** 1.5LBS (0.675KGS)

**Replacement Electrodes:** Model # [10594](#)



**3/32" Diameter**

## Single Carbon Handpiece

Model [10515](#)

Lightweight tool for soldering in areas inaccessible to tweezer style handpieces. Perfect for seams & spots.

### Included in systems:

- [10508](#) - Light Capacity Single Probe Resistance Soldering System
- [105HCS](#) - Light Capacity Resistance Soldering Hobby System
- [105HCM](#) - Standard Capacity Resistance Soldering Hobby System
- [105HHH](#) - Deluxe Resistance Soldering Hobby System

### Specifications:

- 6"(15.3cm) total length, 4 ft. cord
- Supplied with 3/32" (2.38mm) diameter copper-clad carbon electrodes
- Ground Lead Required, Model 10512A recommended
- Taper pin connection style

**Weight:** 1.0LBS (0.45KGS)

**Replacement Electrodes:** Model # [10530](#)



**Standard 1/4"**  
**Diameter Single Carbon Handpiece**  
Model [10511](#)

Sturdy single carbon tool designed to handle a general assortment of soldering applications, rework and repair.

### Included in system:

- [10509](#) - High Capacity Single Probe Resistance Soldering System

**Specifications:**

- 8" (20.4cm) total length, 4 foot cord
- Return lead is required, Model 10512 recommended
- Accepts electrodes either straight or at a 45° angle
- Supplied with ¼" diameter copper clad carbon electrode.
- Taper pin connection style

**Weight:** 1.0LBS (0.45KGS)

**Replacement Electrodes:** Model # [10549](#)

[See Product Data Sheet](#)

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**1/8" Diameter Single  
Carbon Handpiece**

**Model** [10572](#)

Lightweight handpiece for micro-soldering in areas inaccessible to tweezer style handpieces.

**Specifications:**

- 6"(15.3cm) total length, 4 ft (1.22m) cord
- Ground Lead required, Model 10512A recommended
- .125" (3.18mm) diameter copper-clad carbon electrodes that may be ground to fit specific applications.
- Taper pin connection style

**Weight:** 1.0LBS (0.45KGS)

**Replacement Electrodes:** Model # [10524](#)

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**3/16" Diameter  
Single Carbon Handpiece**  
**Model 10573**

Lightweight tool for soldering in areas inaccessible to tweezer-style handpieces

**Specifications:**

- 6"(15.3cm) total length, 4 ft. cord
- Ground Lead required, Model 10512A recommended
- 3/16" (3.18mm) diameter copper-clad carbon electrodes that may be ground to fit specific applications.
- Taper pin connection style

**Weight:** 1.0LBS (0.45KGS)

**Replacement Electrodes:** Model # [10525](#)

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**5/64" Diameter  
Single Stainless Steel Handpiece**  
**Model 10552**

Lightweight handpiece for micro-soldering in areas inaccessible to tweezers handpieces.



**Specifications:**

- 6"(15.3cm) total length, 4 ft. cord
- Ground Lead required, 10512A recommended
- 5/64" (2.0mm) diameter copper-clad stainless steel electrodes that may be formed, notched or ground to fit specific applications.
- Taper pin connection style

**Weight:** 1.0LBS (0.45KGS)

**Replacement Electrodes:** Model # [10582](#)

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**1/2" Diameter Heavy-Duty Single Carbon Handpiece**

**Model [10536](#)**

Rugged tool designed to handle your extra heavy work.

**Specifications:**

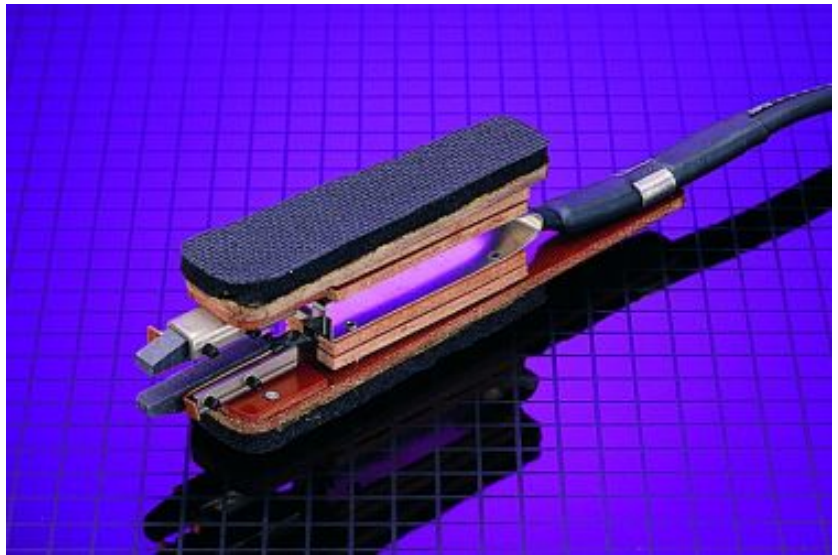
- 7½"(19.1cm) total length, 4 ft (1.22m)
- ½" (12.7mm) diameter copper-clad carbon electrodes that may be ground to fit specific applications.
- Ring Terminal connection style
- Ground Lead required, Model 10537 recommended

**Weight:** 2.0LBS (0.9KGS)

**Replacement Electrodes:** Model # [10534](#)

[See Product Data Sheet](#)

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**Small High-Heat  
Carbon Pliers Handpiece**  
Model [105158](#)

Carbon electrodes provide you more intense heat than our standard copper-clad stainless steel. Ideal for applications involving small sized parts (3/16") but large heat-sinks.

**Included in system:**

- [10506](#) - Standard Capacity Plier-Style Resistance Soldering System

**Specifications:**

- 5"(12.7cm) total length, 4 ft (1.22m)
- Taper Pin connection style
- Ring Terminal attachment style available upon request

**Weight:** 2.0LBS (0.9KGS)

**Replacement Electrodes:** Model # [105159](#)



**Medium High-Heat**

## Carbon Pliers Handpiece

Model [105258](#)

This is a heavy-duty version of the Model 105158 to better handle the higher current loads required for some larger industrial applications.

### Included in system:

- [10507](#) - High Capacity Plier-Style Resistance Soldering System

### Specifications:

- 7"(17.75cm) total length, 4 ft (1.22m) cord
- Taper Pin connection style
- Ring Terminal attachment style available upon request
- Compatible with 105C1 Power Unit and higher with modification to Ring Terminal attachment style

**Weight:** 2.5LBS (1.125KGS)

**Replacement Electrodes:** Model # [105159](#)



## Heavy-Duty High-Heat Carbon Pliers Handpiece

Model [10587](#)

Based upon internal testing and customer response these are the highest quality & best performing large resistance soldering handpiece available on the market today.

### Included in systems:

- [10505](#) - Industrial Capacity Plier-Style Resistance Soldering System
- [10557](#) - Medium-Duty Resistance Soldering Plumbing System
- [10577](#) - Heavy-Duty Resistance Soldering Plumbing System

### Specifications:

- Please adhere to 50% Duty Cycle
- Length 10"(25.4cm), 10ft (3.05m)
- Connects to Power Unit via Ring Terminals

**Weight:** 5.0LBS (2.25KGS)

**Replacement Electrodes:** Model # [10565](#)



**Heavy-Duty Carbon  
Fork-Type Handpiece**  
Model [10588](#)

A modification of our popular Model 10587 handpiece. Based upon internal testing and customer response these are the highest quality & best performing large resistance soldering handpiece available on the market today.

**Specifications:**

- Connects to Power Unit via Ring Terminals
- Length 10"(25.4cm), 10ft (3.05m)
- Please adhere to 50% Duty Cycle

**Weight:** 5.0LBS (2.25KGS)

**Replacement Electrodes:** Model # [10534](#)

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