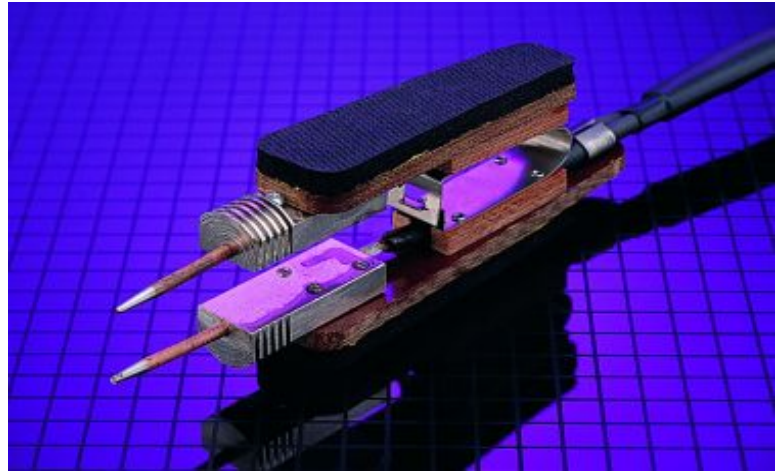




The Model 105127 is a medium tweezer-style hand tool and is excellent for working with antenna leads, semi-rigid co-ax, heavy-gauge wire, terminals, lugs, or posts.

This hand tool is supplied with two 1/8 x 3" (3.2 x 76.2mm) copper-clad stainless steel electrodes. It features 4' (1.22m) 10 AWG high-stranded DLO cables for flexibility and taper pin quick connect terminals for connection to American Beauty power units (push in, turning clockwise until snug). When using a footswitch, the hand tool's tweezer design gives the operator the ability to grip parts while heating and then to continue to hold them in place until the solder joint cools off, after de-energizing the power unit.



Model 105127

Resistance heat is obtained by passing a safe, low voltage, high amperage current through a resistive alloy. As with all Resistance Soldering Handpieces, heat is generated locally to the handpiece. Current is present for only so long as power is applied to the handpiece and there is a path for the current from the power unit, through the handpiece and back to the power unit.

These American Beauty soldering handpieces instantly provide intense localized heat, to create accurate and trustworthy solder joints in medium to fairly large resistance soldering applications. This handpiece was developed for use on soldering applications, like heating, filling, and connecting wires to solder cups in multi-pin connectors (up to 10 gauge) and light bus-bar work. The handpieces' tweezing action provides for fast repetitive joint soldering on terminals and BNC connectors. This type of handpiece is recommended for soldering antenna leads, heavy gauge wire, terminals, lugs and posts. It is also ideal for soldering connectors to semi rigid co-ax cable up to 1/4" diameter or other connections of similar size and mass. The .125" diameter, copper-clad stainless steel electrodes may be bent, shaped or notched to meet custom, or specialty application requirements. Resistance heat can be applied to prototyping, R&D and even to high volume production soldering applications using this hand tool.

Specifications:

- 7" (17.5cm) total length, 4' cord
- Copper-clad, stainless steel electrodes, .125" (3.18mm) diameter
- Electrodes may be formed, notched or ground to fit specific applications
- Taper pin connection style
- Weight: 2.0 pounds (0.91 kgs)

The following American Beauty Power Units may be used with these handpieces:

Model 105A3 (100 Watt)

Model 105A12 (250 Watt, use at lower range of available output)

Replacement electrodes are available in a package of 6:

Model 10594

Copper-clad stainless steel electrodes (.125")

The use of a footswitch (**Model 10519**) for ease of heating time adjustment and control is recommended.

NOTE: Always keep electrodes clean and free from burnt flux and solder residue by dressing them with an emery cloth, a fine file or a small wire brush. Replace electrodes that have become too short or badly burnt.

WARNING: Electrodes generate significant heat when power is applied. Use with caution to avoid burns, fire or other damage. Normal use of this product is likely to expose the user to solders containing lead, which is known to the State of California to cause cancer and birth defects (or other reproductive harm) or other Proposition 65 listed chemicals.

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