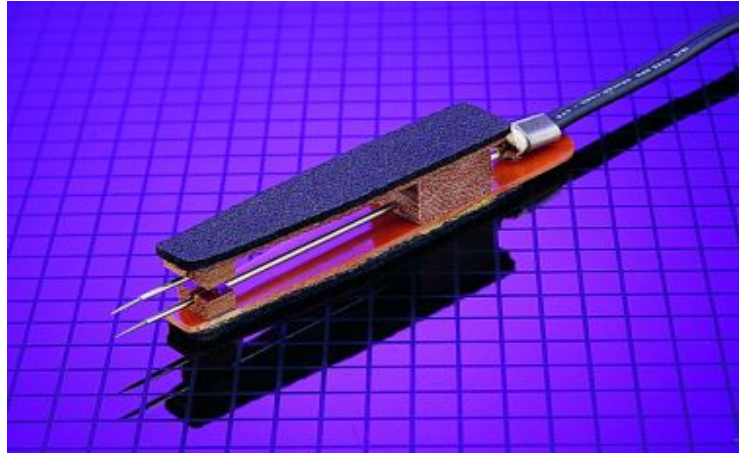




The Model 105133 is a micro tweezer style lightweight hand tool designed for micro-soldering applications with limited space. It is well suited for work on connections with wire 22 AWG and finer.

This hand tool is supplied with two .040" diameter Nickel-Chromium electrodes for micro soldering applications and is approximately 5" in length. It comes standard with a 4' (1.22m) neoprene cable (18-2 HPN) and taper pin quick connect terminals for connection to American Beauty Power Units. The 105133 hand tool is extremely lightweight (4 oz.) and has padded handles for operator comfort.



**Model 105133**

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.

The 105133 hand tool provides instant localized heat that can be applied in prototyping, R&D, and production applications. It can also be used to create accurate, trustworthy solder joints in extremely delicate soldering applications. Specifically designed for work on wire 22-gauge and finer, the 105133 provides fast, repetitive joint soldering on terminals, BNC connectors and similar-sized applications. The .040" nickel-chrome electrodes may be bent, shaped or notched for special applications.

**Specifications:**

- 6-1/2" (16.5cm) total length, 4' cord
- Nickel-Chrome electrodes, .040" (1.02mm) diameter
- Electrodes may be formed, notched or ground to fit specific applications
- Taper pin connection style
- Weight: 0.5 pounds (0.23 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 105134**

Nickel-chrome electrodes (.040")

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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