

# Mini Soldering Irons



## ABOUT:

Hexacon "A" Series Mini-Irons are the leading pencil irons in the industry for steady output applications. Their slim profile, light comfortable feel and cool handle make them popular for production line duty, rework and touch-up, with a performance range from miniature applications, through-hole printed circuits (SMD tips available) to repetitive connections or terminal work.

Mini-Irons are available in three tip diameters (1/8", 3/16" and 1/4") and power capacities from fifteen to sixty watts. Dependable and easy to maintain, the tip, element, cord and handle of each Mini-Iron is independently replaceable.

A single iron can be used economically for a variety of applications by changing the tip or even the element to meet the particular soldering requirements. When fitted with the correct wattage and tip for the application the thermal working zone (TWZ\*\*) performance is better than that of many temperature controlled stations - as can be shown by a thermal profile test.

Selection of the correct tip and iron is easy - your regional Hexacon Sales Engineer has a Soldering Equipment Analyzer available to help you. This diagnostic tool analyzes the thermal working zone of the iron under actual production conditions, displays the temperature range during soldering and permits the selection of exactly the right tip and iron for the job. This analysis is free of charge.

## FEATURES:

- Consistent idling temperature performance and long lifetime are ensured by an element with a 2% tolerance, precision wound on a high conductivity, fast recovering, dimensionally-stable core and insulated by top grade, high dielectric mica. All Hexacon elements are built like this-fully burnt-in to stabilize wattage and dielectric-tested at 1200V.
- A full wattage range from 15 to 60 watts fits all applications.
- Slim-line, stainless steel element case allows excellent working visibility.
- Lightweight (2 oz) and perfect balance are ideal for repetitive applications.
- Tip, element, cord and handle are independently replaceable for maximum versatility and economy.
- Burn resistant, extra-flexible, neoprene power cord is color-coded for wattage identification and will withstand accidental contact with iron at operating temperature.
- Three-wire, grounded construction for operator safety. Posi-Ground option ensures less than two millivolts steady state leakage for MIL-equivalent use and component safety.
- Fiberglass, anti-roll handle is safe, cool-in-use, easy-to-clean and solvent resistant.
- Long-life, Hexacon Xtradur tips are standard. Premium non-freezing Durotherm tips may be substituted

## APPLICATIONS:

- PWBs with Standard Component Densities
- SMT & through-hole Technologies
- Cable Assembly

## SPECIFICATIONS:

PART #	TIP DIA.	WATTAGE	STD. TIP
SI-23A	1/4"	25, 30, 35, 40, 50, 60	HT313X
SI-22A	3/16"	25, 30, 35	HT207X
SI-21A	1/8"	15, 20, 25	HT477X

