HOTWEEZERS

A NEW CONCEPT IN WIRE STRIPPING



FROM MEISEI CORPORATION

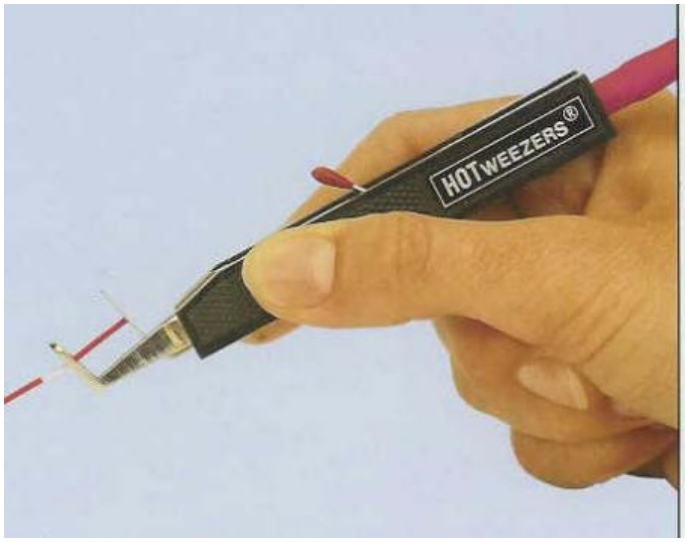
HOTWEEZERS® / THERMAL WIRE STRIPPERS

The HOTWEEZERS® from Meisei Corporation represents the state of the art in the design and construction of thermal wire strippers. The hand unit is shaped like a pair of cutoff tweezers and weighs less than 2 ounces (57g) including cable and connector. Because of this, the HOTWEEZERS® fits comfortably in the user's hand, and the stripping operation is smooth and natural. The small size and light weight have proved in production use to be very effective in increasing output and reducing operator fatigue.

The most unique feature of the HOTWEEZERS® is that the heater filaments are completely sealed in the stripping head. The head is fabricated from a high-strength, high-temperature alloy with very good oxidation and wear properties. Hermetic sealing of the filaments in a high-temperature alloy offers several advantages:

1. The filament is resistant to oxidation.
2. The stripping head will not distort nor lose alignment as is the case with ordinary hot wire strippers.
3. Since the filaments are enclosed, a greater portion of the heat generated is retained to do useful work. Consequently the power supply can be much smaller than usual, and the current consumption is drastically reduced. The power supply consumes a mere 33 watts at the highest temperature setting.
4. Wire holes can be ground into the stripping head without damage to the filaments. With wire holes, the rotation of the stripper required to accomplish a strip is reduced from 180 degrees to 15 degrees, and mashing of conductors, especially the finer gauges, is completely eliminated.
5. Because the filaments are an integral part of the stripper body, no maintenance is required.

IMPROVE RESULTS WITH HOTWEEZERS®



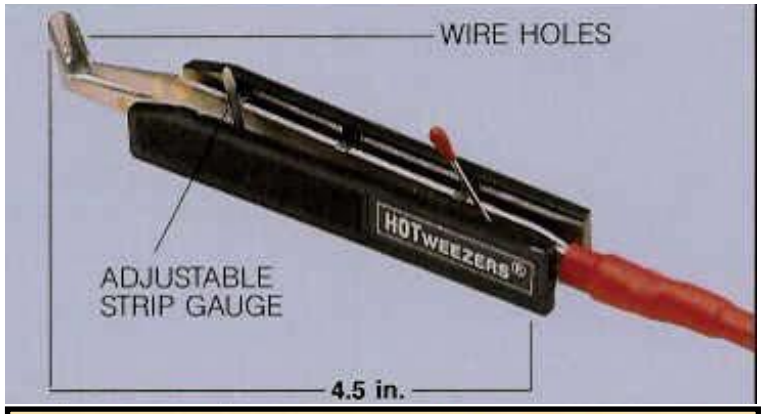
With the M-10 and M-20 Power Supplies, the tip temperature can be adjusted from 300°F (149°C) to 1450°F (788°C). Other thermal strippers offer this feature but there's a difference. The mass at the stripping tip of the HOTWEEZERS® is much greater than ordinary hot wire types, and is more resistant to cool down when the stripper contacts the work. Because of this, the tip temperature can be maintained at a level very near the softening point of the insulation material but below its charring or ignition temperature. Virtually any organic insulation can be stripped without burn marks. It is now possible to thermal strip low-temperature materials like PVC, Nylon and Polyethylene without the insulation slugs sticking to the stripper or the conductor. The HOTWEEZERS® will easily handle high-temperature insulations such as Tefzel[1], Teflon[1], and Silicone Rubber without the charring.

HOTWEEZERS® / HAND UNITS

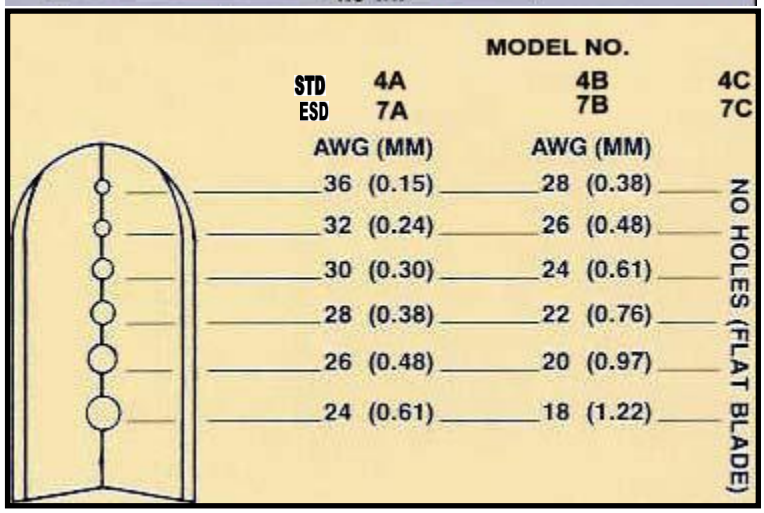
Six different models of the HOTWEEZERS® are available to satisfy most stripping requirements.

Standard Models: 4A, 4B & 4C

ESD Safe Models: 7A, 7B & 7C



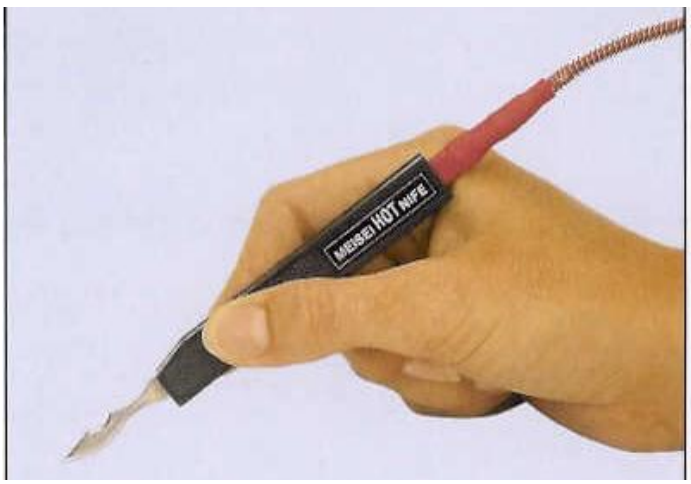
For precise insulation removal Models 4A, 7A, 4b and 7B have stripping holes to yield a clean, even strip free of insulation "tails" and to prevent mashing of the conductor strands. Models 4C AND 7C are designed for use on cable jackets and larger diameter conductors. Maximum cable or conductor O.D. that can be stripped is .25 inch (6.35mm). For larger cables use Meisei's HOTNIFE.



[1] Registered Trade Marks of Du Pont

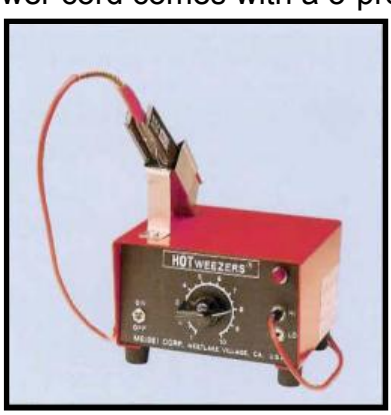
MEISEI HOTNIFE / THERMAL KNIFE

Meisei's Models 2A and 3A HOTNIFE are designed for use in applications where the use of a razor blade or knife is hazardous to personnel and components. Heating occurs in the blade, not in a remote capsule, and the blade with its dull edge will not cut when cold. The HOTNIFE is useful in depotting, deflashing and other applications where a heated blade can simplify a manufacturing operation and increase yields. Due to its small size, it is highly maneuverable and can be easily used under a microscope for delicate work. Because of the single blade construction, it can easily strip large diameter conductors and jackets including irregular shaped cross-sections without nicking shield or conductor strands. The HOTNIFE is used with the M-10 or M-20 power supplies and have a usable temperature range from 300°F (149°C) to 1550°F (843°C).



POWER SUPPLIES

The standard HOTWEEZERS and HOTNIFE are used with the compact M-10 Power Supply, and the ESD SAFE models are used with M-20 ESD SAFE Power Supply. Both features an on-off switch, a temperature control, and a unique holder for the hand unit. Placing the HOTWEEZERS or HOTNIFE in the holder activates a switch that sets the temperature control to an idle mode. When the stripper is removed from the holder, the control is switched back to the original setting. The supply provides an isolated, low-voltage output for operator safety and the power cord comes with a 3-prong plug to satisfy OSHA Requirements.





M-10	M-20
STANDART	ESD SAFE
DIMENSIONS (HWD) AND WEIGHTS	
3" x 4 ½" x 4 ½" (760 x 115 x 115 mm) Weight: 2 ¼ lbs (1 Kgs).	3¾" x 5¾".x 5" (950 x 146 X 127 mm) Weight: 3 lbs (1.35 Kgs)
Power: 115 or 220 VAC 50/60Hz	Power Consumption: 33 watts max.W

ARRANTY: The HOTWEEZERS, HOTNIFE and Power Supply are guaranteed for 90 days against defects in materials and workmanship.