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OPERATING INSTRUCTIONS

To avoid physical injury and product damage, please read these operating instructions in their entirety before using Meisei's HOTWEEZERS[®], HOTNIFE[™] or Power Supply units. Proper use ensures optimum performance, superior results and long product life.

IMPORTANT: HOTWEEZERS[®] and HOTNIFE[™] units should only be used in areas with proper ventilation.

POWER SUPPLY (M-10, M-20)

Both the M-10 Power Supply (for Standard hand units) and the M-20 Power Supply (for ESD hand units) have a three-wire line cord and plug. When plugged into a three-wire receptacle, the chassis is automatically grounded. The Power Supply's front panels have an ON-OFF switch, pilot light, variable temperature control and either 'HI' and 'LO' jacks (M-10) or a HI/LO switch (M-20). **DO NOT use 'HI' and 'LO' jacks on the M-10 simultaneously.** The output of each jack is an isolated low voltage AC for operator safety.

TEMPERATURE SETTING

As the composition and thickness of different conductors, materials and cables varies, new users should experiment with a sample of the material being stripped to find the ideal settings.

At the ideal setting the stripper will be just hot enough to pierce the insulation without melting or burning, and the slug of stripped insulation should not stick to the stripper.

The following are suggested starting points to determine the optimal temperature per material:

'LO' Jack/Setting		'HI' Jack/Setting	
PVC	2.5	Tefzel	1.0
Polyethylene	4.0	Silicone	7.0
Nylon	5.0	Teflon [®]	8.0
Kynar	9.0		

If the insulation type is not known, start at '1' on the 'LO' jack/setting and gradually increase the temperature until the desired result is achieved.

Avoid temperature settings that generate fumes. Also, avoid using HOTWEEZERS[®] or HOTNIFE[™] above '9' on the 'HI' jack for prolonged periods as this will shorten the life of the stripper.

STRIP LENGTH GAUGE (HOTWEEZERS[®] only)

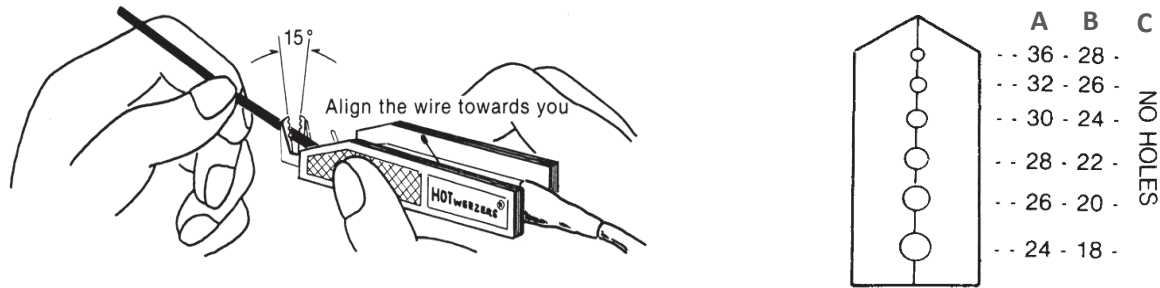
To avoid injury, always turn the Power Supply off and allow the HOTWEEZERS[®] to fully cool down before adjusting the strip length gauge. Hold the depth gauge by the red tip and adjust to the proper strip length. Never grasp the front stop plate as this may cause misalignment of the plate and damage to the HOTWEEZERS[®]. If the gauge is not needed, fully retract it so that it does not interfere with operator performance

STRIPPING THE WIRE (HOTWEEZERS[®] only)

- 1) Hold the HOTWEEZERS[®] as you would a pencil (see diagram), with the tweezer blades pointing up. The rear face of the blades should be facing toward you as you align the conductor to be stripped with the correct gauge hole.

STRIPPING THE WIRE (HOTWEEZERS®) - continued

- 2) Determine the appropriate holes to use based on the gauge of conductor being stripped. Both Standard (4 Series HOTWEEZERS®) and ESD (7 Series HOTWEEZERS®) models have holes sized as shown in the diagram below.

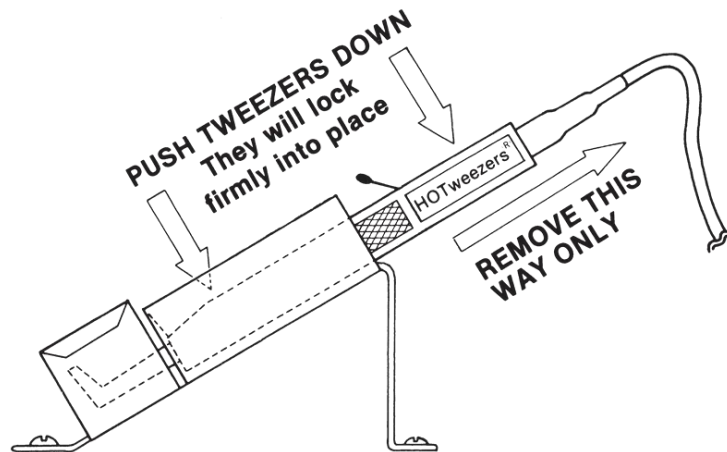


- 3) Close the jaw together around the wire using the selected hole and rotate the HOTWEEZERS® about 15° to ensure complete separation of the insulation and eliminate any insulation “tails”.
- 4) Remove the wire from the stripper and pull off the insulation slug by hand. Do not pull of the slug with the stripper head to avoid damage to the metal conductor.

HOTWEEZERS®/ HOTNIFE™ HOLDER

The HOTWEEZERS® and HOTNIFE™ holder (located on the top of both the M-10 and M-20 Power Supply) provides a safe, secure location for the hand unit when not in use. Always return HOTWEEZERS® or HOTNIFE™ to its holder when not in use. Neglecting to do this can cause accidental burns and will shorten the life of the stripper.

HOTWEEZERS® and HOTNIFE™ will securely lock into place when properly inserted into the holder, preventing hand units from being accidentally knocked loose and risking injury or damage. See diagram below for proper placement.



The holder includes a built-in idle switch; when the hand unit is placed in the holder, the power level automatically switches the temperature control to the '1' position (LO). When the hand unit is removed from the holder, the control reverts to the original setting. NEVER put the hand unit down or set it aside.

MAINTENANCE

The HOTWEEZERS® and HOTNIFE™ are designed for long service but should be handled with reasonable care. Mishandling the hand units can cause damage or in the case of the HOTWEEZERS®, misalign the stripping head. Occasional cleaning of the stripping head or blade is the only maintenance required. To remove large pieces of insulation and residue, use a soft metal bristle brush – brushes with brass bristles tend to work best. NEVER clean HOTWEEZERS® and HOTNIFE™ with a file.