

Login | Create Account

Username / Email

Password



Forgot password?
Don't have an account? Create one!

First Name

Last Name

Email

Password



Already have an account? Login!



Standard Capacity Wirestripping System
Model: 10503



Description

Thermal wire stripping is an age-old method of stripping the insulative jacket from your wire with 100% assurance that you are not nicking the conductor. American Beauty offers a complete array of thermal wire stripping systems, hand pieces and elements, sure to meet your specific need, and as the kids today would say, "Its super easy!"

1. Adjust the stop block to the desired length.

2. Insert a wire between the blades and activate the system via the footswitch. Use the lowest power setting that allows the blades to quickly 'cut' through the insulation.
3. When the blades sever the insulation, rotate 1/4 turn as you continue to apply heat.
4. Once the insulation is completely severed around the wire, release the heat and use your fingers to pull off the insulation sleeve.

Features and Benefits

100 Watts of (2.6 VAC) Infinitely Variable Power permits quick stripping without excess thermal damage to the insulator

Light-weight, palm-sized hand piece with comfort grip padding minimizes operator fatigue.

Wide variety of Ni-Chrome wire stripping elements are available allowing user to find the perfect fit for their application.

Footswitch permits hands-free activation of power, vastly improving control of your applications and virtually eliminating the sparking that is common with other brands of resistance based systems.

Technical Specifications

RoHS Compliant	Yes
Connection Type	Tapered Pins
Wattage	100 watts
Available in 220-240VAC?	Yes
Country of Origin	US
Shipping Weight	5.40 lbs / 2.45 kg
Package Length	8.25 in / 20.96 cm
Package Width	8.25
Package Height	6.50 in / 16.51 cm

Applications

Users of this product have stated that they use it for several jobs which include but are not limited to:

1. Stripping insulation, both low & high temperature, from 12 AWG and finer
 2. Stripping insulation, both low & high temperature, 14 AWG and finer
 3. Stripping microelectronic parts
-

Replacement Products

The following products can be used as replacements for Model 10503 featured on this page:

Model	Product Name	MSRP
1		
10519	Standard Footswitch	
10520	Ni-Chrome Wirestripping Elements (Flat, Double Notched)	
10529	Ni-Chrome Wirestripping Elements (Flat, Single Notched)	
10545	Ni-Chrome Wirestripping Elements (Round, Single Notched)	
105A3	100 Watt Infinitely-Variable Resistance Soldering Power Unit	

Related Products

The following products are related (similar model but different specifications, etc.) to Model 10503 featured on this page:

Model	Product Name	MSRP
10503P	Production Capacity Wirestripping System	

User Information and Instruction Sheet
Other Product Data Sheets

Summary: This American Beauty® Resistance Thermal Wirestripping System has been assembled for your convenience, in order to help eliminate confusion when ordering equipment to be used for thermal wirestripping applications on wires 14 AWG and finer.

Description: This System consists of a Model 105A3 100 Watt Power Unit, a Model 10517, Regular Wirestripping Handpiece and a Model 10519 Footswitch.

- **Power Unit Description:** The Model 105A3 Power Unit has a low-voltage, high amperage, variable output, isolated transformer. The output voltage is 0 - 2.65 VAC (with no load). The control knob reads 0 - 100% of output voltage. This Power Unit may be adapted to automated and fixtured production tooling. For more detailed information please read the Information/Instruction sheet included with the Power Unit in this Kit.
- **Handpiece Description:** The Model 10517 Regular Tweezer, Wirestripping Handpiece is supplied with two, specially formed, resistance wire, nickel-chromium elements, to create heat for stripping insulation from wire, by softening and/or melting through the outer jacket of the wire to be stripped. It has a four-foot (1.22 m), 14-2 HPN neoprene cable, with taper pin quick connect terminals for fast, easy connection to the 105A3 Power Unit (push in turning clockwise until snug) and padded handles for operator comfort. For more detailed information please read the Information/Instruction sheet included with the Handpiece in this Kit.
- **Footswitch Description:** The Model 10519 Footswitch is a rugged, industrial switch, (wired normally open), with a six-foot (1.83 m) 18-3 SJT cord and NEMA 5-15 P/R piggyback style plug/receptacle. This footswitch is often used, to better control the cycle time needed for an application.

Uses: This System can be used to cleanly strip 14 AWG and finer wires having low-temperature PVC, (PVC will require lower heat settings just to soften, but not burn), up to and including high-temperature, fluorocarbon types of insulation. Because heat is being used to soften and part the insulating material, time required to strip will vary with the type and thickness of the jacket, as well as the conductor size. Any shielding under the jacket will slow the softening time, but most insulation will strip cleanly without fraying, given the appropriate amount of time. The proper stripping method is to heat, twist and pull gently to remove the insulation.

Please reference the General Operating Instructions for American Beauty® Resistance Soldering Systems for more detailed operating instructions and guidelines.

Replacement Electrodes/Elements:

- Model 10545 metal elements (round cross section, 1 notched)(Pkg. of 2)
- Model 10529 metal elements (both flattened, 1 notched)(Pkg. of 2)
- Model 10520 metal elements (both flattened and notched)(Pkg. of 2)

NOTE: Always keep elements clean and free from burnt flux and solder residue by cleaning them with an emery cloth, a fine file or a small wire brush.

Duty Cycle: The Power Unit has been rated to operate at a 50% maximum duty cycle. Do not operate beyond this rating. **WARNING: THERE ARE NO USER SERVICEABLE PARTS INSIDE OF THE POWER UNIT. DO NOT ATTEMPT TO OPEN THE POWER UNIT HOUSING FOR ANY REASON, DUE TO THE RISK OF ELECTRICAL SHOCK. ELEMENTS CAN GENERATE A SIGNIFICANT AMOUNT OF HEAT WHEN POWER IS APPLIED. USE WITH CAUTION TO AVOID BURNS, FIRE OR OTHER POTENTIAL 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.**
