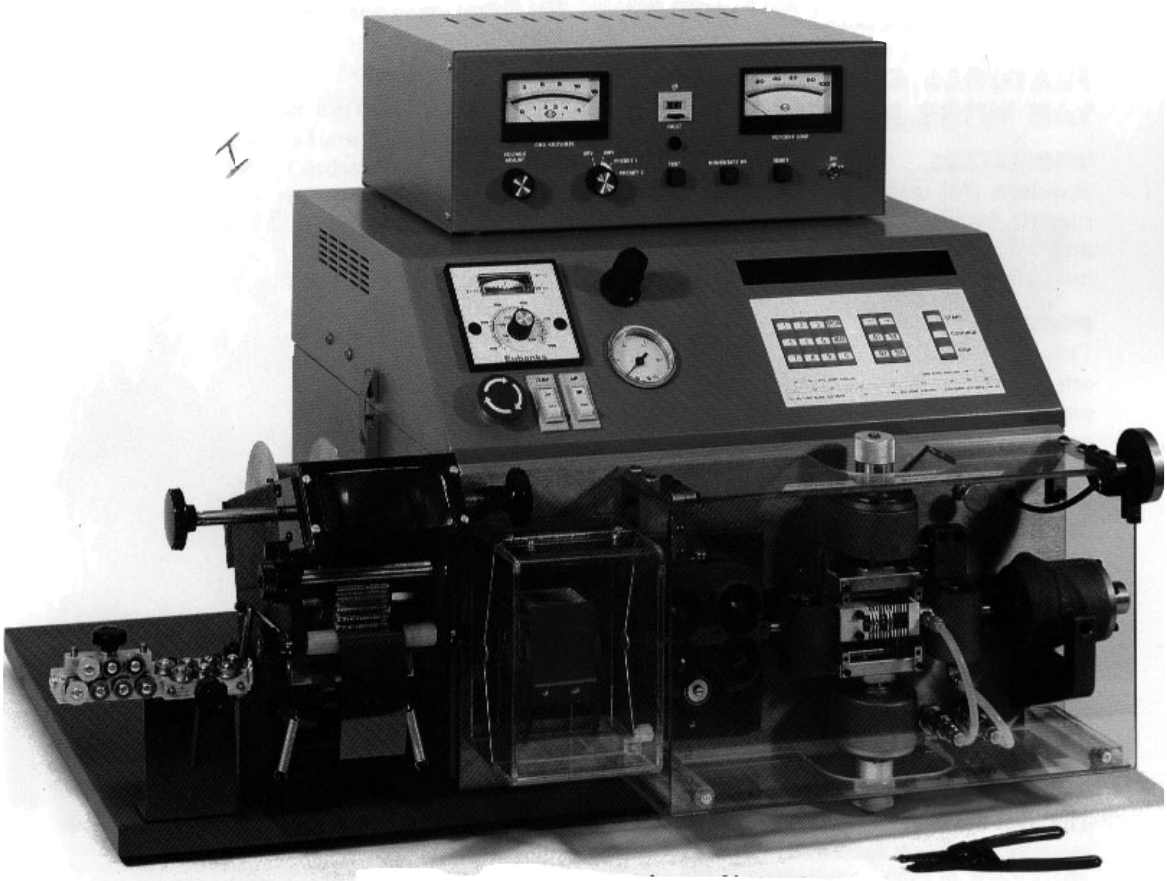


Eubanks
Wire Marking
Machines

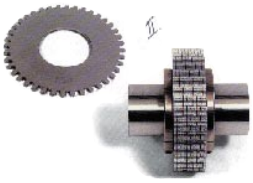
REDUCE YOUR INVENTORIES AND YOUR LABOR COSTS WITH EUBANKS WIRE MARKERS.

Model 67200 (center) can be used with Eubanks wire strippers for either end marking or continuous marking at pre-set intervals. Shown with 6415 Belt Drive Prefeed (left) and 4900 AutoStrip Programmable Wire Stripper (right). 67200 and 4900 shown mounted on optional #60850-00 Cabinet Bases.

Eubanks wire marking machines mark wire clearly and permanently through the use of marking foil and heated marking discs. By providing positive, easy-to-read wire identification, these machines permit the exclusive use of white wire or wire of a single, solid color. They eliminate time consuming processes, such as tagging or sleeving, and the need for large inventories of colored wire. Eubanks marking discs are precision-made. Pressure, heat and dwell-time are all closely controlled to assure consistent high-quality marking. The discs are easily rotated to make character changes. (The AutoTab, a fully automated machine described in a separate product bulletin, offers motorized disc changing.)

FEATURES COMMON TO EUBANKS WIRE MARKERS

WIRE SIZES Standard Eubanks wire markers will mark wire sizes ranging from 0.035" to 0.150" O.D. (0.89 to 3.81mm). With conversion kits, they will accommodate up to 0.300" O.D. (7.6mm).



MARKING DISCS The tool steel discs on which the characters are engraved are heat treated then chrome plated for long life. The accuracy of the character height is held to + or – 0.001" (0.025mm). Each disc has 39 characters (the alphabet, numbers 0 to 9, right and left arrows, and a dash) plus a blank spot. Special order discs are available with custom characters.

HEAT CONTROL Marking disc temperature is set by a controller on the front panel. Once the discs reach the desired temperature, it will be maintained until the machine is shut off or the setting changed.

MAGNIFYING GLASS The Eubanks marking head has a built-in, lighted magnifying glass for reading the orienting characters on the marking discs.

STAMPING PRESSURE Compressed air pressure is controlled by a regulator and gauge on the front panel. The machines should be connected to a compressed air source with pressure of 80 - 100 psi (5.5 - 7.0kg/cm^2). Stamping pressure is reduced to 25 - 60 psi (1.75 - 4.22kg/cm^2), depending on the type of insulation being marked and the number of characters being printed.

DWELL Dwell-time, the time the marking discs and foil are in contact with the wire, is variable from 20 to 900 milliseconds and is controlled from the front panel or keyboard, depending on the machine model.

ANVILS The anvil serves to position the wire accurately and to cradle it when the foil and type are pressed against it. Anvils are made of aluminum, and are custom made to fit the O.D. of the material to be marked to the nearest 0.001" (0.025mm). Special anvils are available for limp, small diameter wire and parallel conductor wires.

FOIL FEED The foil feed mechanism moves the foil forward each time the machine cycles. It will accommodate foil in rolls from 1/2" to 3 1/2" wide (12.7- 88.9mm) and up to 600' long (185m).

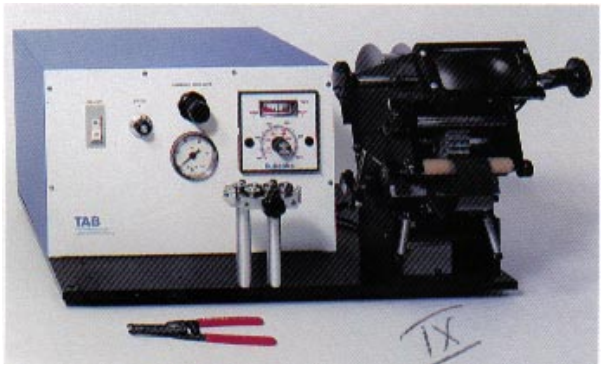
MARKING FOIL Foils are available for marking all of the commonly used insulations, such as Teflon, PVC, Kapton, etc.

STANDARD EQUIPMENT Machines are supplied with 10 marking discs and three anvils as standard equipment. They may be ordered with fewer discs or with as many as 30.

POWER

Electrical - 115 VAC, 10A, 50/60 Hz or 230 VAC, 5A, 50/60 Hz.
Compressed Air - 80 - 100 psi (5.5 - 7.0kg/cm^2), minimum of 1/2" I.D. (12.7mm) air line from air source to machine.

WIRE MARKERS FOR USE IN-LINE WITH STRIPPERS



Model 67200

MODEL 67200 The model 67200 does not have feed rolls to drive the wire. Wire is pulled through the machine manually or by an automatic wire stripper equipped with marker controls. It may be used with a Eubanks Automatic Wire Stripper for either end marking or continuous marking of the wire at set intervals.

The Eubanks AutoStrip Programmable Wire Stripper, when used with Model 67200, provides the same control of mark placement as the microprocessor-controlled systems described on Pages 4 and 5.

The marking discs may be separated into two groups when the machine is used for end-marking. When used for end-marking with a Eubanks AutoStrip, Model 2700-IV, or -V, or Model 1000-II, -III, or -IV Automatic Wire Stripper, the marker need not be repositioned when wire lengths are changed. When used with an earlier model Eubanks wire stripper for end-marking, the marker must be repositioned when wire lengths are changed. A traveling rack and dolly is available for this purpose.

In the semi-automatic mode, the operator pulls the wire or tubing through by hand and presses a foot switch to operate the Model 67200.

WIRE SIZES 0.35" to 0.250" O.D. (0.89 - 6.35mm) standard. Up to 0.500" O.D. (12.7mm) with conversion kit. Larger O.D. sizes are evaluated on an individual basis.

DIMENSIONS 11"H x 19"W x 19"D (279 x 483 x 483mm).

SHIPPING WEIGHT Approximately 55lbs. (25kg).

MODEL 67260 The Model 67260 is a double-headed version of the Model 67200. The Model 67260 is used for end-marking wires that have long strip lengths, and for other applications that require the wire marker to print two marks at a time, with the last character of the second mark located more than 3.5" (88mm) from the first character of the first mark.

WIRE SIZES 0.35" to 0.250" O.D. (0.89 - 6.35mm) standard. Up to 0.500" O.D. (12.7mm) with conversion kit. Larger O.D. sizes are evaluated on an individual basis.

DIMENSIONS 12"H x 26"W x 19"D (305 x 660 x 483mm).

SHIPPING WEIGHT Approximately 155lbs. (70kg).

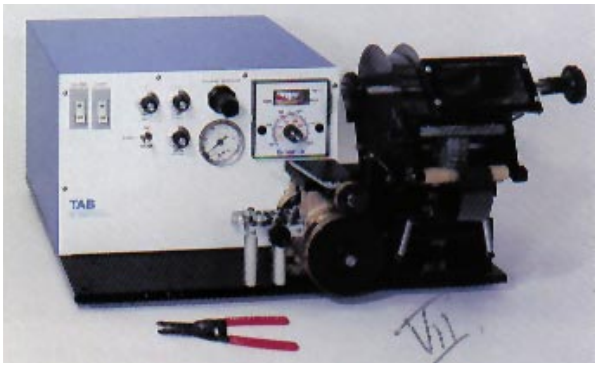
MODEL 67400 This machine has motor-driven feed rolls and controls for long- and short-interval marking. The center-to-center spacing between marks may be adjusted from 1/4" to 4" (6.35 - 102mm) for close spacing and from 4" to 24" (102 - 610mm) for long spacing. A two-stage foot switch controls the intervals. When the operator presses the foot switch to the first stage, the machine marks at close intervals. With the switch pressed all the way down, it marks at long intervals. A switch on the control panel can be used instead of the foot switch for automatic marking.

The Model 67400 may also be used in-line with a Eubanks automatic wire stripper for high-production marking, cutting and stripping. When used in this way, the marker's feed rolls are disengaged. When used alone, its feed rolls pull the wire from right to left. This machine is also available as Model 67450, which pulls the wire from left to right. The model 67450 can be used alone or in conjunction with Eubanks wire strippers manufactured prior to 1982.

WIRE SIZES 0.035" to 0.150" O.D. (0.89 - 3.81mm) standard. Up to 0.250" O.D. (6.35mm) with conversion kit.

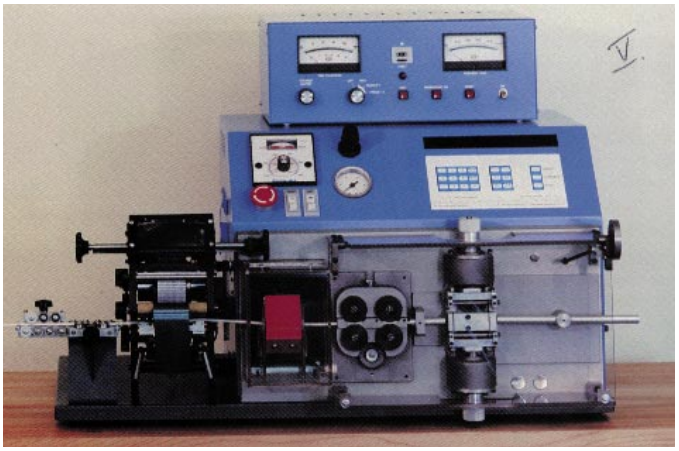
DIMENSIONS 11"H x 19"W x 19"D (279 x 483 x 483mm).

SHIPPING WEIGHT Approximately 80lbs. (36kg).



Model 67400

MICROPROCESSOR-CONTROLLED WIRE MARKING SYSTEMS



Microprocessor-controlled Model 67510 marks wire and cuts it to length. Electrode of optional spark tester is behind red plate.

Wire length, batch count, mark location, dwell-time, wire drive speed, and acceleration-declaration rates are all set by computer in the machines described below. Marking discs are rotated manually.*

Setup data is entered from a keyboard on the machine or remotely through the machine's RS232 Interface. As many as 90 programs of computer-controlled functions may be stored in memory, which has a battery backup.

ACCURATE MARK PLACEMENT You can place marks exactly where you want them by specifying:

1. The distance from the wire end to the first mark (same on both ends).
2. The number of closely spaced marks near the wire ends and the distance between them.
3. The distance between marks in the center of the wire.

A typical program might have four markings at 3-inch intervals at each end of the wire, with the first markings two inches from the wire ends, and mid-zone markings spaced 12 inches apart.

RAPID WIRE MOVEMENT A servo motor moves the wire at a maximum rate of 71" (1803mm) per second, with programmable acceleration / deceleration between marking cycles. Production rates vary with wire length and distance between marks. As an example, wires 36" long (914mm) with marks every 3" (76mm) can be produced at a rate of 1,000 per hour.

WIRE SIZES 0.035" to 0.150" O.D. (0.89 - 3.81mm) standard. Up to 0.300" O.D. (7.6mm), depending on insulation type, with modification kit.

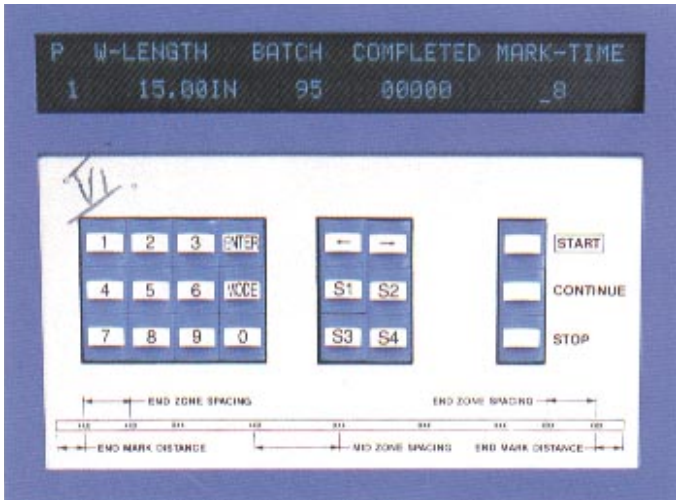
WIRE LENGTH 1" to 99,999" in increments of 0.01", or 20mm to 99,999mm in 0.1mm increments.

BATCH COUNT 1 to 99,999 wires.

STANDARD EQUIPMENT Ten printing discs, three anvils, wire straightener, RS232 interface, collecting tube for short wires, and an operating and maintenance manual. A set of cut and strip blades and a strip block are supplied with machines equipped for cutting and stripping.

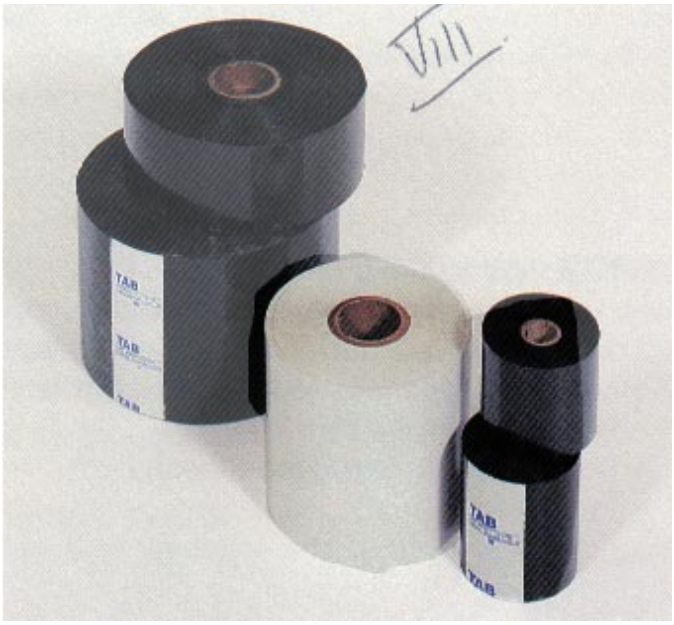
OPTIONAL EQUIPMENT Motorized coiling pan, up to 20 additional marking discs, quick-change disc assembly, quick-change foil support assembly, additional cutterhead assemblies, prefeed, stacker for long wires, table, and large wire modification kit.

INSULATION TESTER An optional high-frequency sine wave spark tester is available for testing the integrity of the wire insulation after marking. If the insulation fails the spark test (because of excessive disc temperature, pressure or dwell-time, or because of a manufacturing defect in the wire), the machine will stop, mark the wire in the same spot three times to create a smudge, and feed a 15-inch (381mm) length of wire to clear the machine of the damaged section. The control panel will display an error message, calling the operator's attention to the problem.



Control panel and display of microprocessor-controlled wire marking system. Data may be entered at the machine or at a remote PC connected to the machine's RS232 interface.

** The AutoTab, which has marking discs that are set automatically, is described in a separate product bulletin*



Marking foil comes in various widths.

ERROR MESSAGES Error or fault messages are displayed on the control panel to indicate the following conditions:

- Lack of compressed air (safety shield raised or compressor off)
- Insulation damage (spark tester)
- End of foil

When a fault occurs, the machine will not operate until the condition is corrected. If there is a wire jam in the optional prefeed, the prefeed sounds an alarm buzzer and disables the wire marker until the jam is cleared.

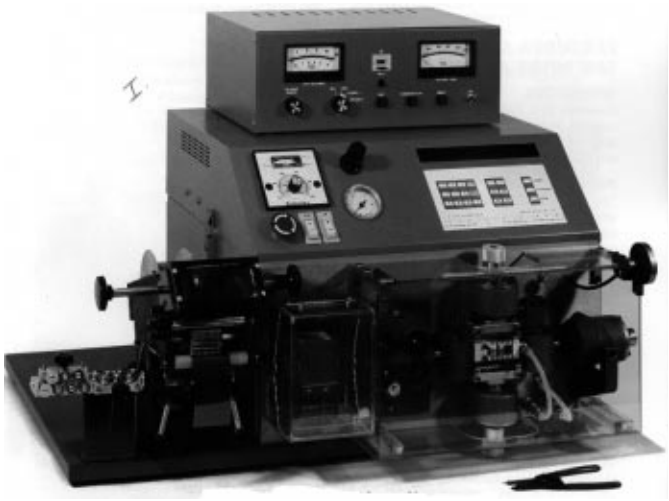
FOUR MODELS AVAILABLE Microprocessor-controlled wire markers are available in the following configurations:

Model 67610 - Mark, cut and strip, with spark tester.
Model 67605 - Mark, cut and strip, without spark tester.
Model 67510 - Mark, cut to length, with spark tester.
Model 67505 - Mark, cut to length, without spark tester.

POWER REQUIREMENTS
Electrical - 115 VAC, 10A, 50/60 Hz or 230 VAC. 5A, 50/60 Hz. Compressed Air - 80 - 100 psi (5.5 - 7.0kg/cm^2), minimum of 1/2" I.D. (12.7mm) air line. Uses approximately 20cfm (0.5 cubic meter/min) when cutting short lengths or marking at close intervals.

WEIGHT Shipping Weight: Approximately 310lbs. (140kg).

DIMENSIONS With spark tester - 23"H x 29"W x 26"D (584 x 736 x 660mm).
Without spark tester - 16 1/2"H x 29"W x 24"D (419 x 736 x 609mm).



In addition to marking and cutting wire, the microprocessor-controlled Model 67610 also strips wire to length.

ACCESSORIES

Model 64230 Spark Tester.

Several high-performance accessories, designed to enhance the productivity of your Eubanks Wire Marker, are available as optional equipment.

MODEL 64230 SPARK TESTER The Model 64230 high-frequency sine wave spark tester checks the integrity of the wire insulation. If the insulation fails the spark test, the machine stops and the fault light is turned on.

MODEL 6415 PREFEED This fast Prefeed has a belt drive that feeds wire to automatic markers and strippers faster than previous models. It offers quick response, automatic speed control, high torque and dependable service. Wire size: 0.030" - 0.280" O.D. (0.8 - 7.0mm). Maximum spool size: 16" O.D. (400mm), 50lbs. (22.7kg).

MODEL 6480 LARGE WIRE PREFEED This heavy-duty Prefeed has a belt drive that feeds large cable to automatic wire markers and strippers at high speed. The belt drive is gentle on the cable and does not slip. It has a 1/2 HP motor capable of maintaining 30lbs. (13kg) direct pulling force on wire with continuous feed speed of 120" per second (3000mm/sec). Wire size: 0.300" - 0.560" O.D. (0.8 - 14.0mm). Maximum spool size: 16" O.D. (400mm), 50lbs. (22.7kg).

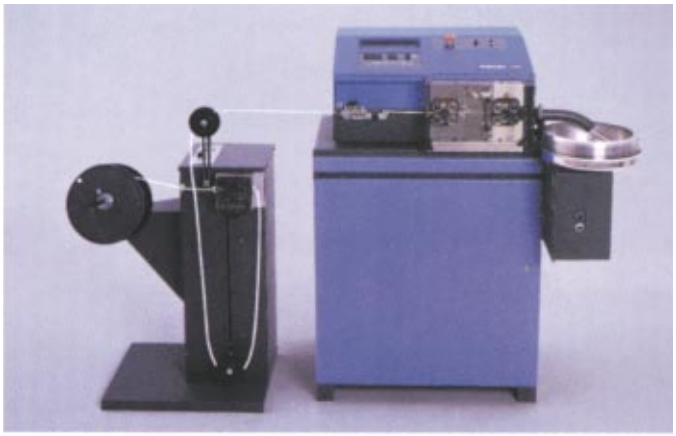
MODEL 3175 SHORT WIRE STACKER The 3175 Short Wire Stacker is a pedestal mounted V-shaped trough for collecting short wires produced by automatic wire markers and strippers. The 45° slope of the sides facilitates easy removal of wires. The height of the pedestal is adjustable. The trough is 48" (1200mm) long.

MODEL 6840 COLLECTOR TUBE The Collector Tube is used to collect short wire lengths. It is supplied with hardware to mount it on the side of the microprocessor-controlled wire marker. It includes a 36" (900mm) tube of 2" O.D. (50mm) plastic tubing and two plastic end caps. The tubing may be cut to the desired length with scissors. One 6840 Collector Tube is included with each Model 67505, 67510, 67605 and 67610.

MODEL 1722 MANUAL COILING PAN AND PEDESTAL This accessory comprises a 12" (300mm) diameter spun aluminum pan which is free-turning on a ball bearing mount at the top of the pedestal. As the wire leaves the wire marker and stripper and is guided into the pan, the rotation of the pan coils the wire. When the trailing end of the wire leaves the machine, the operator removes the coil of wire from the pan and ties or tapes it.

MODEL 11440 POWERED COILING PAN This accessory comprises an aluminum bowl, 12" (300mm) in diameter and 5" (120mm) deep, with a variable speed motor used to coil long wire lengths. The motor stops for a preset number of seconds after the cut and strip cycle so that the operator can remove the coiled wire.

MODEL 60850-00 CABINET BASE The Model 60850-00 Cabinet Base is made specifically to support the Model 4900 AutoStrip and the Model 67200 Wire Marker.



The 11440 powered coiling pan, shown mounted on the 7400 AutoStrip, with the 6415 prefeed and the 60850-01 cabinet base.

EUBANKS WIRE STRIPPERS

The top-of-the-line Model 8000 AutoStrip processes wire sizes ranging from 32 to 4 AWG (0.03 to 22mm²).

Eubanks offers a full range of programmable wire strippers and pneumatic wire strippers that can be used in-line with the Model 67200, 67260 and 67400 Wire Markers.

THE AUTOSTRIP SERIES Eubanks has been the leader in the design and manufacturing of wire stripping machines for more than 40 years — ever since it introduced the first in-line machine in 1956. It has demonstrated its creative ability once again with the revolutionary new AutoStrip machines.

The Eubanks AutoStrip series of wire cutters and strippers consists of three machine models - the 8000, 7400 and 4900. All provide fully programmable strip length and strip diameter (blade penetration). They are fast, accurate, quiet and they cover an unprecedentedly wide range of wire sizes. The machines differ primarily in the range of wire sizes they will handle and in maximum stripping lengths. Each will handle wire as small as 32 AWG (0.03mm²). The minimum strip length for all models is 1/32" (0.8mm). The AutoStrip 8000 — the most versatile of the three — will process wire up to 4 AWG (22mm²) and multi-conductor cable as large as 9/16" O.D. (14mm), and it can produce strip lengths up to 20" (500mm) on each end of the wire.

OPERATION OF THE AUTOSTRIP AutoStrip machines are easy to operate. You change operating parameters with a few key strokes — by keying in a few numbers or by calling up a program. You can enter data through a keyboard on the machine or from a remote computer. To change to a different wire or strip length, just call up another program, load the new wire into the machine and press START. The system stores up to 90 programs of wire length, strip length, strip diameter (blade penetration) and program number in battery-backed memory. To enter a completely new program, you simply enter a new program number and key in the data for the new wire.

You load a new wire by inserting the end of the wire between the left drive belts and pressing a key. The machine automatically threads the wire through the drive assemblies and cutterhead. When operated in dual-wire mode, the AutoStrip machines can process two wires at a time, further increasing productivity.

MODEL 2700 PNEUMATIC AUTOMATIC WIRE STRIPPER The Model 2700 is one of the most versatile Eubanks wire strippers. It will meet most wire shop production requirements and, in addition, can be tooled up to fully strip small, solid conductor wire for wire wrap connections. With standard equipment, the Model 2700 will accommodate wire sizes ranging from 26 to 12 AWG (0.175" O.D.), (0.13-3.3mm² (4.4mm O.D.)). With optional kits, the machine will handle wires as small as 32 AWG (0.03mm²) and as large as 0.290" O.D. (7.4mm).

Model 2700 Automatic Wire Stripper (right) working in line with the Model 67200 Wire Marker (left). Both shown on optional cabinet bases.

ORDERING MARKING DISCS AND MARKING FOIL

WIRE MARKING DISCS Wire marking discs have concave type. They are made in various character sizes to cover a range of wire diameters. Both vertical reading and horizontal reading characters are available.

Vertical reading disc #204 is the most commonly used because the vertical positioning allows the use of taller characters with increased legibility over a wide range of wire diameters

Type of Disc	Catalog Number	Minimum* Wire O.D.	Type Samples	Radius	Character Height	Width
204 Radius	60430-11	0.035"	1 2 3 4 5 6 7 8 9 0 - A B C D E F G	0.026"	0.065"	0.025"
205 Radius	60431	0.060"	1 2 3 4 5 6 7 8 9 0 - A B C D E	0.031"	0.075"	0.045"
104 Radius	63504	0.060"	1234567890-ABCDEFGHIJKLM	0.027"	0.036"	0.058"
105 Radius	63505	0.070"	1234567890-ABCDEFGHIJ	0.031"	0.041"	0.065"
106 Radius	63626	0.080"	1234567890-ABCDEFGHIJ	0.037"	0.060"	0.060"
107 Radius	63627	0.090"	1234567890-ABCDEF	0.044"	0.070"	0.070"
108 Radius	63628	0.110"	1234567890-ABCD	0.062"	0.080"	0.080"

#60431 discs have a character width of 0.045" and can be used only for wire sizes 0.060" O.D. or larger. #60430-11 discs have a character width of 0.025" and are required for wire sizes smaller than 0.060" O.D.

** The minimum or maximum wire O.D. (Outside Diameter) for each disc depends on the softness of the insulation.*

FLAT-FACED MARKING DISCS Flat-faced marking discs have flat-faced type. They are used for marking heat-shrink tubing and large diameter wires and cables.

Type of Disc	Catalog Number	Minimum* Tube Width	Type Samples	Character Height	Character Width
.050FF	63645	0.070"	1234567890-ABCDEFGHIJ	0.050"	0.050"
.060FF	63646	0.080"	1234567890-ABCDEFGHIJ	0.060"	0.060"
.070FF	63647	0.090"	1234567890-ABCDEF	0.070"	0.070"
.080FF	63648	0.100"	1234567890-ABCD	0.080"	0.080"
.090FF	63649	0.110"	1234567890-ABCD	0.090"	0.090"
.125FF	63641	0.145"	1234567890-ABCD	0.125"	0.105"

MARKING FOIL Foils are available for marking all of the commonly used insulations, such as Teflon, PVC, Kapton, etc. A list of various sizes and types is available separately.

TECHNICAL ASSISTANCE For assistance in selecting the correct marking discs, anvils, and foils for your wires, please send samples of your wires and a letter requesting help to our Wire Marking Applications Department at the address below or visit our website and fill out the "Request for Quotation/Recommendation" form.

U.S. Patent Numbers 5,146,673; 5,253,555; 5,265,502; 5,279,219; 5,293,683; 5,456,148; 5,469,763; 5,526,718; 5,528,962; 5,640,891; 5,653,016; 5,664,324
Additional U.S. and foreign patents pending. Specifications subject to change without notice. Designed and manufactured in the U.S.A.

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