The Eubanks AutoStrip Three Fully Programmable Wire Strippers

THE EUBANKS AUTOSTRIP SERIES

The Model 8000 AutoStrip processes wire sizes ranging from 32 AWG to 4 AWG (0.03 mm² to 22 mm²)

Eubanks has been the leader in the design and manufacturing of wire stripping machines for more than 50 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 are based on the same advanced design principles. They are fully-programmable, fast, accurate, and quiet. 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 (0.03 mm²). The minimum strip length for all models is 1/32 in. (0.8 mm). The AutoStrip 8000 – the most versatile of the three – will process wire up to 4 AWG (22 mm²) and multi-conductor cable as large as 9/16 in. O.D. (14 mm), and it can produce strip lengths of up to 20 in. (500 mm) on each end of the wire. The AutoStrip machines shown in this brochure include the optional wire straightener and air-eject assembly.

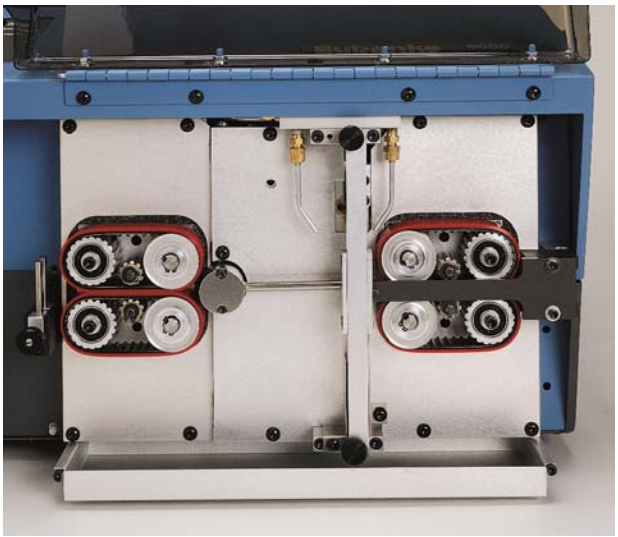
OPERATION AutoStrip machines are easy to operate. You change operating parameters with a few keystrokes – by keying in a few numbers or by calling up a program.

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 99 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.

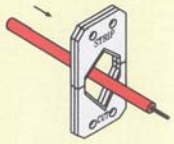
WIRE DRIVE Two pairs of durable rubber belts move the wire without slippage. This, together with precise acceleration and deceleration, accounts for the machines' exceptional wire length accuracy.

Two closed-loop servo motors drive the wire. These, combined with a fast-response, low-inertia servo motor driving the blades, make for high wire throughput.

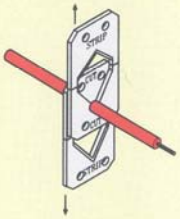


The AutoStrip machines use two pairs of durable belts to move the wire without slippage.

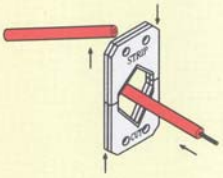
How the AutoStrip works



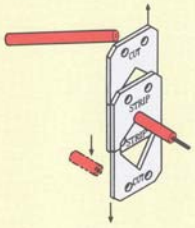
1. Rubber belts pull the wire through the optional straightener and input guide. CUT and STRIP blades are open at mid-setting.



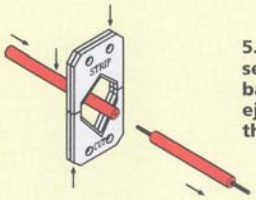
2. The pre-selected wire length is measured, wire motion stops and the CUT blades close.



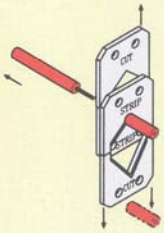
3. CUT blades return to mid-setting and the input guide rises. The belts move the trailing end of the cut piece back through the blades into the strip position.



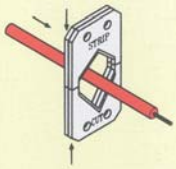
4. The STRIP blades close, penetrating the insulation to the programmed depth, and then retract a preset distance to prevent scraping of the conductor during stripping. The belts advance the wire to pull off the insulation slug or to move it slightly if the wire is being semi-stripped.



5. The STRIP blades return to mid-setting and the input guide lowers back into feed position. The belts eject the finished wire and advance the next lead end into strip position.



6. The STRIP blades close, penetrating the insulation to the programmed depth, and then retract a programmed distance. The belts pull the wire to slide the slug off—or move it slightly if the wire is being semi-stripped.



7. The blades then return to mid-setting and the wire advances to begin a new cycle.

An easy-to-read vacuum fluorescent display helps you set up and monitor important system functions.

DISPLAY The AutoStrip is equipped with a clear, sharp, and easy-to-read heavy-duty display. You use it to setup and monitor all system functions. For example, the screen shown above displays the program number, wire length, batch quantity, wires completed, and strip diameter (blade penetration). You can use other screens to control a variety of additional functions, including:

- Strip length
- Degree of strip movement
- Step stripping
- Wire acceleration/deceleration and maximum speed
- Belt pressure on the wire (8000 and 7400 only)
- Blade acceleration and deceleration
- Degree of blade retraction before stripping
- Multiple-Batch processing
- Remote control from a computer
- Mark placement using a wire marker

BLADES Eubanks blades are made of high-grade tool steel selected for its ability to hold an extremely sharp edge. The machine uses separate pairs of blades for cutting and stripping so that the strip blades never cut copper. This results in longer blade life than in machines that use one pair of blade for both functions.

You can use V-type blades for a wire range of insulations, including PVC. However, radius V-blades are recommended for insulations that are very difficult to strip, including the thin wall insulation on data and communications cables. Radius V-blades and precision die radius V-blades can be changed for different wire sizes in less than a minute.

Heavy duty blade holders support the blades on all sides. The Model 8000 and Model 7400 come with a convenient blade cassette that loads the strip and cut blades into the holder in one step. The blade cassette is an option on the Model 4900, which comes with a special tool for blade handling. You control the blade penetration and retraction prior to stripping in increments of 0.001 in. (0.01mm) so that the blades do not scrape the conductor. Like other functions this is controlled from the keyboard.

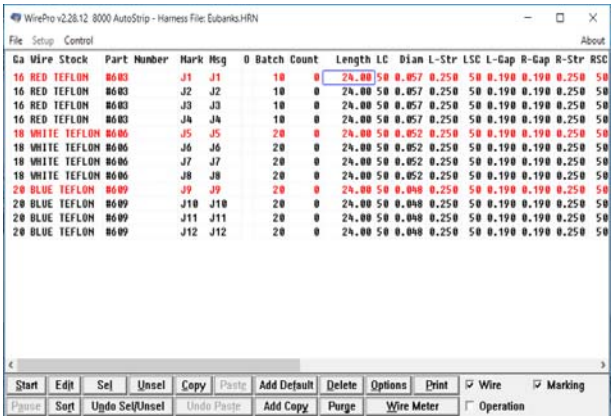
RELIABILITY The AutoStrip machines reflect the experience gained in more than 50 years of designing and manufacturing reliable, high-performance wire strippers. Every mechanical part and every electrical component used in Eubanks machines have been designed and fabricated for maximum performance and reliability.

WirePro software enables you to use a PC to control the operation of your AutoStrip.

WIREPRO PC SOFTWARE This is an optional Windows® software package that enables you to use a personal computer to control the AutoStrip. WirePro software handles both the task of ***wire list data processing*** and the task of ***controlling the production*** of cut and stripped wires by downloading operation instructions to the AutoStrip. The ***wire list data processing*** functions allow you to create large lists of wires, called harness files, by entering information for each wire such as length, gauge, strip length, wire type, etc. Coupled with the data for each wire are user programmable machine operating parameters such as wire feed speed, wire acceleration/deceleration, etc. The wires in each harness file can be sorted by wire gauge, wire stock number, or part number. The user can create new harness files, load and edit previous harness files, search for a particular wire, and print the files.

You start the ***wire production task*** by loading a harness file. The WirePro software automatically downloads the data for each wire to the AutoStrip and instructs the AutoStrip to run each wire. The user can specify the order in which wires are produced and inhibit the production of selected wires. The WirePro will prompt the operator when a different wire type must be loaded or when the characters on a manual wire marker need to be changed. WirePro software can also be programmed to automatically interrupt production for certain conditions, such as the next wire or a wire with a user-set "pause-flag".

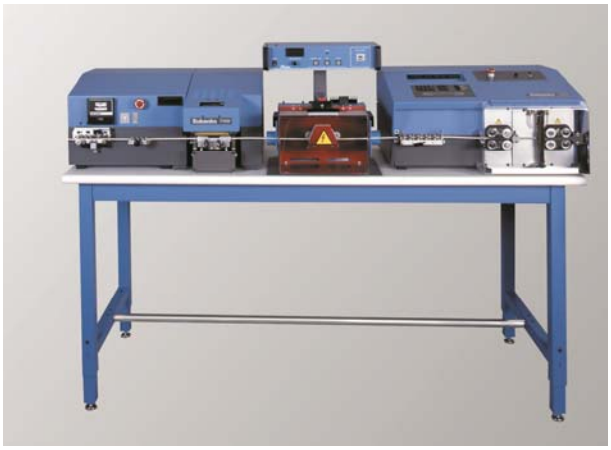
PC SOFTWARE



With WirePro software, you can create and store large wire lists on your PC and control your AutoStrip.

WirePro also includes a feature called "Wire Meter." When enabled, the Wire Meter maintains a file that lists the amount of each type of wire that was used for the last job and a cumulative total of wire that has been used. WirePro software enables you to store virtually an unlimited number of harness files. It increases your productivity by minimizing repetitive data entry and reducing the possibility of operator error.

AUTOMATED WIRE MARKING For fully programmable marking and stripping, add the Model 77200 AutoTab, a fully programmable hot stamp wire marker that operates in line with the AutoStrip. The 77200 selects marking characters quickly and accurately, and places marks along the length of the wire exactly where you want them. Printing Discs are set automatically, along with stamping pressure, dwell time, distance from the end of the wire to the first mark, and distance between marks. A copy of WirePro Software is included with every 77200.



The 77200 programmable hot stamp wire marker, in line with the 64300 spark tester and the AutoStrip.

MODEL 8000

AUTOSTRIP 8000 The top-of-the-line 8000 is the fastest and most versatile of the AutoStrip machines. It will accommodate wire sizes from 32 AWG (0.03 mm²) up to 4 AWG stranded (22 mm²). It also does an excellent job of cutting and stripping flat cable and multi-conductor cable up to 9/16 in. (14 mm) in diameter. With the AutoStrip 8000, strip lengths are almost unlimited. In fact, it can produce strip lengths of up to 20 in. (500 mm) on both ends. The 8000 uses larger, heavier Eubanks blades than the other machines. A cassette is used for blade insertion. The 8000 can be programmed to do step stripping and batch counting. The 8000 is shown here with the optional wire straightener and air-eject assembly.

DIMENSIONS:
13 in. H x 26 in. W x 22 in. D
(330 x 660 x 560 mm)

WEIGHT:
Net: 144 lbs. (66 kg)
Shipping 235 lbs. (107 kg)

PRODUCTION RATES

The 8000 production rates vary with wire length, strip length, wire size, blade back-up, wire drive speed, and acceleration rates. For 18 AWG wire (0.82 mm²) with a 1/4 in. (6 mm) semi-strip on each end, the maximum production rates are:

Wire Length	Strip Both Ends pieces /hour	Cut Only pieces/hour
4 in. (100 mm)	4,400	7,000
20 in. (500 mm)	3,600	5,100
40 in. (1M)	2,900	3,800
100 in. (2.5M)	1,800	2,200
394 in. (10M)	700	720
600 in. (15M)	480	500
1200 in. (30M)	250	260

On the 8000 and 7400, a compact, rugged cassette is used to load blades into the blade holder.

MODEL 7400

AUTOSTRIP 7400 Next largest in size, the Model 7400 is a rugged, versatile machine. Like the Model 8000, it is capable of producing extremely long strip lengths. If you are cutting a cable to 12-foot lengths and want to strip 12 inches of insulation from one end and 20 inches from the other, key in those strip lengths and the 7400 will oblige. It can produce a maximum strip length of 20 in. x 20 in. (500 x 500 mm). The 7400 can be programmed to do step-stripping and batch counting. The Model 7400 uses the same Eubanks blades as the Model 4900 and uses a cassette to insert the blades. It differs from the 8000 in the maximum wire and cable sizes it will handle. The 7400 will cut and strip wire up to 8 AWG (8.6 mm²) and multi-conductor and flat cable up to 5/16 in. (8 mm) wide. The 7400 is shown here with the optional wire straightener and air-eject assembly.

DIMENSIONS:

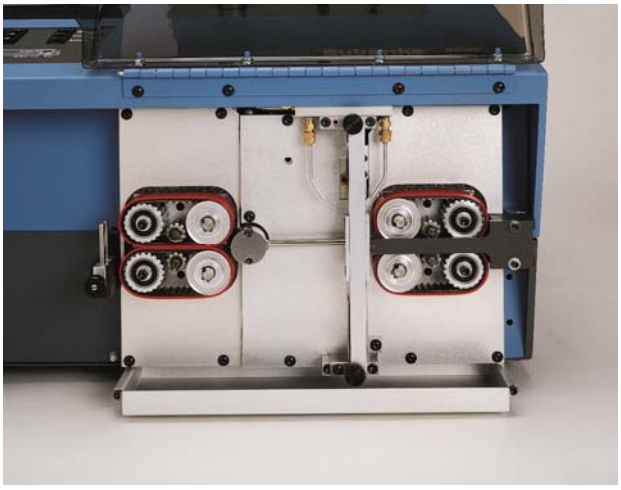
13 in. H x 26 in. W x 22 in. D
(330 x 660 x 560 mm)

WEIGHT:
Net: 144 lbs. (66 kg)
Shipping: 235 lbs. (107 kg)

PRODUCTION RATES

The production rates of the Model 7400 vary with wire length, strip length, wire size, blade back-up, wire drive speed, and acceleration rates. The maximum production rates for 18 AWG wire (0.82 mm²) with a 1/4 in. (6 mm) semi-strip on each end are:

Wire Length	Strip Both Ends pieces /hour	Cut Only pieces/hour
4 in. (100 mm)	4,100	7,300
20 in. (500 mm)	3,400	5,300
40 in. (1M)	2,700	4,000
100 in. (2.5M)	1,800	2,300
394 in. (10M)	600	720
600 in. (15M)	400	480
1200 in. (30M)	250	260



The Model 7400 processes wire sizes ranging from 32 AWG to 8 AWG (0.03 mm² to 8.6 mm²).

MODEL 4900

AUTOSTRIP 4900 The Model 4900 is a compact AutoStrip, a small machine with big machine performance. Like its stable mates, it will cut and strip wire as small as 32 AWG (0.03 mm²). It will handle wire as large as 10 AWG (6 mm²) and flat cable and multi-conductor cable up to ¼ in. (6 mm) in diameter. The Model 4900 uses the same Eubanks blades as the Model 7400. Strip lengths range from 1/32 in. x 1/32 in. to 2 ½ in. x 2 ½ in. (0.8 x 0.8 mm to 64 x 64 mm). In other words, it covers most wire prep requirements. A compact tool is used to load the blades into the 4900. The 4900 can be programmed to do step-stripping and batch counting. The 4900 is shown here with the optional wire straightener.

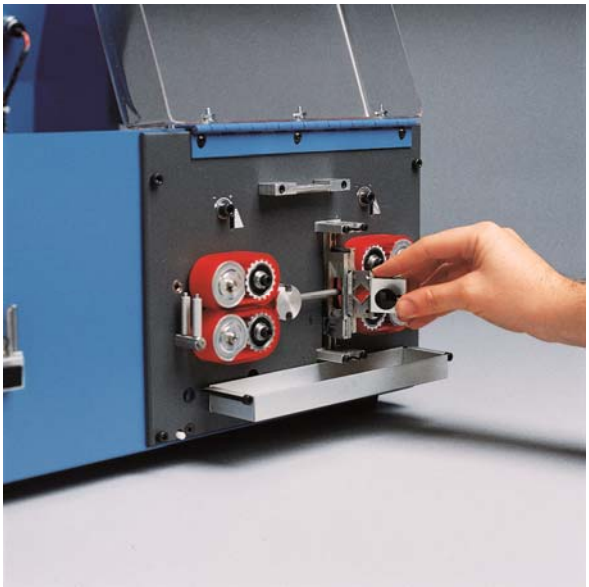
DIMENSIONS:
12 in. H x 20 in. W x 18 in. D
(305 x 508 x 460 mm)

WEIGHT:
Net: 75 lbs. (34 kg)
Shipping: 125 lbs. (57 kg)

PRODUCTION RATES

The Model 4900 production rates vary with wire length, strip length, wire size, blade back-up, wire drive speed, and acceleration rates. The maximum production rates for 18 AWG wire (0.82 mm²) with a 1/4 in. (6 mm) semi-strip on each end are:

Wire Length	Strip Both Ends pieces /hour	Cut Only pieces/hour
4 in. (100 mm)	3,100	5,000
20 in. (500 mm)	2,500	3,600
40 in. (1M)	2,000	2,800
100 in. (2.5M)	1,300	1,600
394 in. (10M)	500	525
600 in. (15M)	320	330
1200 in. (30M)	180	190



A small tool is used to load the blades into the model 4900's blade holder.

Model	8000	7400	4900
WIRE SIZE*	32 to 4 gauge (0.03 to 22 mm²) Solid conductor: up to 12 gauge (3.3 mm²); Multi-conductor or flat: up to 9/16 in. (14 mm)	32 to 8 gauge (0.03 to 8.6 mm²) Solid conductor: up to 12 gauge (3.3 mm²); Multi-conductor or flat: up to 5/16 in. (8 mm)	32 to 10 gauge (0.03 to 6 mm²) Solid conductor: up to 12 gauge (3.3 mm²); Multi-conductor or flat: up to 1/4 in. (6 mm)
WIRE SPEED	Up to 118 in. per second (3,000 mm/sec.)	Up to 118 in. per second (3,000 mm/sec.)	Up to 60 in. per second (1,500 mm/sec.)
WIRE LENGTH	0.125 in. to 99,999 in. (3 to 999,999 mm)	0.125 in. to 99,999 in. (3 to 999,999 mm)	0.125 in. to 99,999 in. (3 to 999,999 mm)
STRIP LENGTH	1/32 in. x 1/32 in. to 20 in. x 20 in. (0.8 x 0.8 mm to 500 x 500 mm)	1/32 in. x 1/32 in. to 20 in. x 20 in. (0.8 x 0.8 mm to 500 x 500 mm)	1/32 in. x 1/32 in. to 2 ½ in. x 2 ½ in. (0.8 x 0.8 mm to 64 x 64 mm)
CONTROLS	21-key tactile feedback keyboard	21-key tactile feedback keyboard	21-key tactile feedback keyboard
DISPLAY	Vacuum fluorescent (2 lines x 40 characters)	Vacuum fluorescent (2 lines x 40 characters)	Vacuum fluorescent (2 lines x 40 characters)
COMPUTER INTERFACE (optional)	RS-232C (Includes USB-Serial Converter)	RS-232C (Includes USB-Serial Converter)	RS-232C (Includes USB-Serial Converter)
POWER REQUIREMENTS	115VAC, 10A, 50/60 Hz or 230 VAC, 5A, 50/60 Hz	115VAC, 10A, 50/60 Hz or 230 VAC, 5A, 50/60 Hz	115VAC, 6A, 50/60 Hz or 230 VAC, 3A, 50/60 Hz
KITS & BLADES	-Precision die radius-V blades -Radius V blades -Flat and oval blades for multi-conductor flat cable	-Precision die radius-V blades -Radius V blades -Flat and oval blades for multi-conductor flat cable	-Precision die radius-V blades -Radius V blades -Flat and oval blades for multi-conductor flat cable
SPECIAL FUNCTIONS	Step stripping, batch counting, center stripping	Step stripping, batch counting, center stripping	Step stripping, batch counting, Center stripping
WIRE STRAIGHTENER	Optional	Optional	Optional
WIRE MARKER CONTROLS	Included	Included	Included

Eubanks®

QUALITY + INNOVATION

*AutoStrip may not be able to process certain wires within the stated range if insulation is too hard or bonded.
All Eubanks products listed here are CE compliant.
Specifications subject to change without notice.
Designed and Manufactured in the U.S.A.

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