

Eubanks

MODEL 2745-05 STEEL CABLE PNEUMATIC CUTTER-STRIPPER



Small steel cables also known as steel rope are used for everything from automotive clutches to Bicycle braking systems to electronic security devices in retail stores. Maintaining the quality of the strips on steel rope is extremely difficult. Even when the smallest of steel cables can cause stress and damage to most electric stripper’s parts, blades, and motors. Many dynamics happen to metals when cutting steel. There are micro explosions that generate heat and can cause metal strains, fatigue, warping, or damage. Eubanks has a solution with the 2745-05 and its special exclusive steel-cutting tooling. The tooling is designed to cut and withstand heat and dynamic stresses when processing steel cables for prolonged periods. There is no worrying about burning up motors with the air-powered 2745-05. Equipped with the standard tooling, the 2745-05 can cut and strip soft steel rope encapsulated in plastic or cut bare steel cables up to a maximum O.D. of .125” (3.2mm).

Speed

The 2745-05 cuts and strips both ends of the cable in a single cycle at a high speed. The 2745-05’s production screen can display the estimated pieces per hour being produced at the current feed speed. The production screen also displays an estimated time of completion. The heavy-duty 2745-05 is the perfect long-term solution for processing difficult Steel Rope Cables.

User-Friendly Programming

The 2745-05 is highly reliable and easy to operate. It stores up to 1,000 programs containing separate cable profiles such as length, batch quantity, and delays. The 2745-05 has built-in wire marking controls for pairing a wire marker. From its console, the operator can select and run programs, and step the machine through a complete cycle. It can easily be converted from inch to metric measurements via the machine’s keyboard. It also has length correction compensating fields designed to fine-tune to the best exact length tolerance possible.

High-Precision

Our pneumatic strippers use unique hand-machined precision die blades and blocks. These setups will last years and deliver the best quality strip available. During the strip function, the blades butt up against one another cutting perfectly around the circumference of the conductor. During the pull to strip, the insulation is held by both the top and bottom strip blades for a perfect linear pull as it strips. The result is a perfect 180° square cut on both the plastic insulation and steel cable without any damage to the conductor or blades while delivering perfect ends for termination.

We design and manufacture all our blades using our proprietary processes. These processes assure high-precision performance over a long service life. This is where Eubanks excels. We can design special tooling to cut, strip, and slit on parallel wires and offset stripping. Customers have learned to rely on our extensive strip-blade expertise as they adapt to new insulations and tough applications.

CAPACITY

.125” (5.5mm²) Cable Dependent

Soft Steel Rope



0.125” O.D. (5.5mm²)

Bare Solid Soft Steel Wire



.100”(3.1mm²)

OPTIONAL TOOLING FOR
COPPER WIRE APPLICATIONS
LISTED BELOW IS AVAILABLE

Single Stranded Conductor



32 to 8 AWG (22mm²)

Solid Conductor



32 to 10 AWG(3.3mm²)

Strip and Slit Parallel Conductor



.290” (7mm) Max Width

Kevlar Reinforced Fiber Optic



Glass or Plastic

Offset Stripping



(Wire Dependent)

SPECIFICATIONS

STEEL ROPE SIZE

.020” up to .125” max. O.D. with Standard Equipped Tooling

WIRE LENGTH

Minimum Length: 3” (76.2mm)
Maximum Length: 99,999,99” (999,999,9mm)

STRIP LENGTH

Minimum Strip Length: .125” x .125” (3mm x 3mm) with Standard Strip Block
Maximum Full Strip Lengths: 1” x 1” (25.4mm)

BATCH SIZE

0 to 99,999

PROGRAMMING

1000 Program storage capacity numbered 0 to 999.
Multi-program sequencing:
Up to 1,000 programs may be chained together as one sequence. Can have as many sequences as 1,000 program limits will allow.
Programming Options:
Units of Measure: Inch or Metric
Run Modes: Step Cycle, Display Options, Motor On/Off

CONTROLS

Heavy-Duty 21-key tactile feedback keyboard

DISPLAY

Antiglare, Vacuum fluorescent (2 lines x 40 characters)

WIRE MARKING

Controls included: End-marks, Zone-marks, Continuous-marks, Mark dwell time

STANDARD TOOLING

(1) Wire Straightener, Left and Right Strip Assemblies with 3/16” I.D., (1) 5/16” I.D. Feedroll Assembly, (1) Six Piston Cutter Head, (1) Set of Special Steel Processing tooling, and (1) Loose Parts Tooling Kit

EXISTING TOOLING

Existing Strip Blocks and Blades from previous models can be adapted.

POWER REQUIREMENTS

115 VAC, 10 A, 50/60 Hz or 230 VAC, 7 A, 50/60 Hz

AIR REQUIREMENTS

120 psi @ 24 CFM (690 kPa @ 12 l/s). Main air regulator and lubricator supplied.

CERTIFICATION

CE

DIMENSIONS

48 in. W x 20 in. D x 15 in. H. (1,220mm W x 510mm D x 380mm H).

WEIGHT

Net: 190 lbs (87kg). **Shipping:** 235 lbs (106.6 Kg)

BLADES FOR COPPER WIRE

- V-Blades
- Radius V-Blades
- Die Blades
- Precision Die Blades
- Precision Ground Die Blades
- Flat Square Blades
- Precision Oval Blades
- Precision 2, 3 & 4, Parallel Conductor Blades

STRIP BLOCKS FOR COPPER WIRE

- Universal Increment Blocks Inch or Metric
- Custom Closed Blocks with specified strip combinations
- Custom Flat Cable Strip Blocks
- Custom Multi-Stage Stripping and Offset Stripping Blocks
- Custom Strip Blocks for Small wire with Air Jet Feed

OPTIONAL KITS

- **16504-01** Spare Parts Kit

THE KITS BELOW ARE FOR PROCESSING COPPER WIRE

- **17239-01** Kit Strip Block Air Jet Feed
- **16621-01** 1/8” Small Wire Modification Kit. For 32 to 22 AWG (0.03 mm² to 0.38mm²) wires
- **16631-01** 1/4” Large Wire Mod Kit. For 12 to 8 AWG (3.3 mm² to 8.6mm²) wires up to .230” (5.8mm) O.D. or width.
- **17320-01** 5/16” Heavy-Duty Mod Kit. With ½” Strip Assemblies for wires and cables up to .290” (7mm) O.D. or width.

ACCESSORIES

- **6815-05** Standard Belt Prefeed 60 Lbs (27 kg) Max. Load
- **6880-05** Heavy-Duty Belt Prefeed. 120 lbs (54 kg) Max. Load.
- **6880-05 Modified** Heavy-Duty Belt Prefeed with Modification Kits for pulling up to 300Lb (136 kg) Reels
- **6835-01** Heavy-Duty Large Reel Stand 300 Lb (136kg) Max. Load
- **67200-10** Wire marker
- **16110-03** Motorized 12” Coiling Pan
- **16110-05** Motorized 14” Coiling Pan
- **6650-01** Eight Foot Long Automatic Wire Stacker
- **17242** All Welded Steel 48” W X 24” D X 32”H Machine Table

ESTIMATED PRODUCTION RATES

Production rates vary with steel cable type, Plastic covering adhesion, wire length, spool or reel size, strip length, feed speed, CFM air flow, line air pressure, and machine delay settings.

WIRE LENGTH

PIECES PER HOUR

4 inch (102mm)

10,000 Pieces Per Hour

10-inch (254mm)

7,200 Pieces Per Hour

20-inch (508mm)

5,500 Pieces Per Hour

100-inch (2,540mm)

1,500 Pieces Per Hour

OPTIONAL SPECIAL APPLICATIONS

- **Kevlar & Fiberglass** Strip and shear Package
- **2 & 3 Parallel Conductor** Strip and slit package
- **2 Parallel Conductor** Offset Strip package

(Call for more Information)