

Eastman®

manual cutting machines



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durability

durability support expertise

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beautifully  
**PRECISE**

o u t s t a n d i n g l y  
**DURABLE**

manual cutting machines

**Excellence is our Tradition**

Eastman is the worldwide industry leader in innovative cutting technologies. For over a century our tools and systems have been engineered to improve cutting room efficiencies; since the introduction of the Blue Streak Straight Knife cloth cutting machine in 1888, to the first computer controlled cutting system in 1995.

**Innovation is our Business**

Eastman is a fifth generation family owned business dedicated to excellence and to redefining cutting room technologies. Eastman's line of manually-operated cutting machines includes a myriad of straight and round knives; hand-held rotary shears; drills and marking machines; and end cutters. Manufactured with the highest quality materials, built to precise specifications, and subject to rigorous testing, Eastman's line of fabric cutting machines have been setting the standard for over a century. Matched to specific customer needs, Eastman has a solution for virtually every cutting requirement.

*Eastman tools ...beautifully precise and outstandingly durable...*



**Eastman®**

# Straight Knives

The Eastman line of straight knife machines have set the industry standard for quality, performance, and engineering for over 120 years. The Eastman 629X Blue Streak II and 627X Brute are designed to provide optimal performance whether cutting intricate jobs with small radius cuts or patterns that have long, clean cuts. The Eastman line of straight knife machines cut denim or silk, cotton or knits, sailcloth or synthetics, fiberglass and technical textiles, easily and without effort. Eastman straight knife machines are available in a wide variety of strokes, heights, and electrical configurations to make your cutting department efficient and productive.

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## The Classic Eastman Straight Knife

The classic Eastman straight knife machine is renowned for setting the standard of excellence. The durability and dependability of Eastman's motor is one of the most important aspects of the Eastman straight knife machine. Eastman's unique design provides more torque and the best power-to-weight ratio of any machine that is commercially available. The powerful high torque motor allows the Eastman straight knife to easily cut the broadest range of materials; effortlessly and without danger of overheating or electrical problems. Eastman's motor housing incorporates a single-reservoir oiling system which eliminates the need to oil during a work shift and a one-touch automatic sharpener to keep the blade razor sharp.

Only Eastman Machine Company manufactures its own knife blades to exacting tolerances. Each blade is meticulously engineered and manufactured to tolerances of a thousandth of an inch which allows for clean cuts on all materials; 70% longer blade life; and eliminates most vibration (which can compromise the machine's performance).

Eastman straight knives come in eight different heights to ensure that the operator has the right configuration for the cutting application (the lower the machine, the easier it will be to maneuver). Low-profile base plates also help in achieving tight turns, high accuracy and minimal distortion.

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### Blue Streak II® MODEL 629X

The versatility of the Blue Streak II is unmatched by any other straight knife. It is the obvious choice when one machine is required for multiple tasks.

- A low profile, polished, streamlined baseplate is designed to reduce friction and distortion in the lay regardless of the number of plies.
- Constructed of superior quality materials to ensure durability and longevity.
- The Eastman motor is designed and manufactured to disperse heat efficiently and away from the operator.
- The Eastman 629X Blue Streak II is available in eight sizes, four strokes, and a multitude of electrical specifications.



### Brute® MODEL 627X

With a super efficient and extra powerful motor, the 627X Brute straight knife is designed to cut the toughest fabrics or an increased number of ply. The model 627X Brute is Eastman's most powerful straight knife cutting machine and is available in the same sizes, strokes, and electrical configurations as our standard Blue Streak II cutting machine.



### Denim Brute® MODEL 627X

The Denim Brute includes all features of the standard 627X Brute plus a knife sliding oiling system; 1-3/4" stroke; abrasive belts; and a lower handle bracket. These features enable the Brute to efficiently cut multiple plies of heavyweight denim with minimal operator fatigue.



### Brute® Variable Speed MODEL 627VS

Model 627VS is a standard Brute Straight Knife enhanced with a variable speed motor to offer increased acceleration, and smoother operation, all while saving energy. It is the only cutting machine on the market that runs at speeds up to 4,000 RPM's.



### Air Brute® MODEL 627XP

The Air Brute is perfect for cutting in a damp environment where electrically powered machines cannot be used; or where there is extreme dust and fiber laden conditions. This pneumatically controlled straight knife is designed to cut fusible materials such as composites and fiberglass.



### Micro Fog™ MODEL 629MF / 627MF

Eastman's exclusive Micro Fog machine ensures maximum heat reduction for cutting highly fusible materials. The Micro Fog device sends a mist of coolant / lubricant behind the knife and out through a specially slotted knife-slide to penetrate every layer or material and to eliminate the conditions that cause fusing. The Micro Fog straight knife requires 90-120 psi (6.2-8.3 bars) compressed air.



### Plastic Master™ MODEL 629PM / 627PM

Combines Blue Streak II or Brute straight knife with:

- Heat reducing features (short stroke and wave blade that reduce blade contact by 80%).
- Eastman's special gravity feed moistening attachment to eliminate fusing.
- Coolant flow exactly metered to achieve the desired degree of lubrication and cooling required.

# Round Knives

Eastman round knife machines are ideally suited for cutting large radius curves, straight lines and are applicable for a wide range of difficult to cut materials. To match your cutting needs, the round knives are available with five different blade sizes, various horsepower ratings and custom engineered gear ratios. Eastman also offers high speed, carbon steel, grooved, and Teflon™ coated blades to maximize cutting throughput and increase productivity.



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## Engineered Performance

Engineered for sweeping curves or straight line cutting; Eastman round knife machines are designed to cut and perform with maximum efficiency.

The variety of power ranges available for the Cardinal Series round knives – from lightweight to super duty – allow for cutting a wide variety of materials such as silk, cotton, canvas, denim and coated fabrics.

Eastman round knives are available with five blade sizes. Selecting the smallest blade size that will handle the current and anticipated maximum cutting height will guarantee maximum performance and maneuverability.

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### Lightweight MODEL 534

The smallest Cardinal, model 534, provides lightweight maneuverability with power to cut low lays of wool, cotton, silk, synthetics, and technical textiles.



### Standard MODEL 548

The Cardinal model 548 is our most widely used round knife machine. It is available in two different blade sizes, and is designed with a lightweight, powerful motor to provide the optimum cutting configuration.



### Heavy Duty MODEL 562

The Heavy Duty Cardinal offers a heavy duty motor to provide increased torque and blade speed making it ideal for most general purpose cutting of canvas, burlap, cotton, cotton batting, woolens, and knits.



### Super Duty MODEL 567

The Cardinal model 567, Eastman's most powerful round knife, is equipped with the same high-torque motor and utility as the Brute straight knife. A dual speed option brings versatility to this powerhouse.



### Carpet Cutter MODEL 548CC

The Cardinal Carpet Cutter is designed to cut cleanly through most pile types and backings. The 548CC allows for cutting along and against the grain in curves, or along straight edges with minimal effort thus reducing operator fatigue. The blade is grooved to reduce heat and allow the blade to shed carpet backing. The blades can also be Teflon™ coated for maximum heat reduction and the ability to eliminate build up of cut material.



### Standard Slitting Machine MODEL 548BK

The Cardinal standard slitting machine may be mounted in a stationary position, on a frame, or with a standard base plate configuration suitable for most slitting applications. The standard narrow profile allows for clean slitting and snag-free material flow.



### Heavy Duty & Super Duty Slitting Machine MODEL / 567BK

The Heavy Duty and Super Duty round knife machines can easily cut through high durometer rubber as well as plastic sheeting and dense fabrics that require a more powerful motor and greater height capacity. Each of these special Cardinal round knife machines may be supplied with a high speed, low speed, or dual speed motor for the broadest range of applications. Both models may be fitted with an optional Plastic Master lubricator.



### Plastic Master MODEL 548PM

This Cardinal model 548 is featured with the Eastman Plastic Master cooling/moistening attachment combined with a special notched blade. Together they reduce friction and heat, which eliminates the fusing of temperature sensitive materials. The Plastic Master adapts to all Cardinal series round knives.



### Rubber Slitter MODEL RS2

The Rubber Slitter is designed to cut very dense rubber and plastic sheeting. Model RS2 is equipped with a high torque motor and is designed with a very low knife speed to keep friction and heat build-up to a minimum. It is available with a base plate or strip gauge to cut strips with a tight tolerance.

# Rotary Shears & Small Round Knives

Eastman lightweight rotary shears are the best solution for cutting intricate markers, one-of-a-kind patterns, samples, reworks, and plastic or rubber sheeting. Offering the ultimate in maneuverability, Eastman rotary shears are the answer for short run cutting jobs common in the industry.

Eastman's line of small round knife machines set the standard for the cutting industry by providing agility, power, and versatility. Each small round knife has a low profile baseplate which allows for virtually no distortion when cutting through low lays, or single thickness, of material.

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## Maximum Power in Hand

Cutting with scissors is tedious and fatiguing. Rotary shears replace scissors, providing maximum power in hand. Eastman rotary shears quickly cut intricate markers, one of a kind patterns, samples, reworks, plastic and rubber sheeting. Offering ultimate maneuverability, Eastman's Rotary Shears and Small Round Knives are the solution to low quantity cutting jobs common in the industry.

A choice of blade types make these lightweight, streamlined shears easy to use for a variety of applications. Round blades are designed for general use, while semi-square blades offer a chopping motion that is perfect for materials that snag or unravel.

Eastman light duty round knives offer an extremely low profile base plate for virtually no distortion when cutting through low lays or single thicknesses of material. All small round knives are equipped with a sharpener stone for optimum blade performance. Four different grits of sharpening stone are available for Eastman's round knife cutting machines and can be adjusted so that ease and accuracy of cutting is improved and sharpening frequency is decreased.

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### Chickadee MODEL D2

The Chickadee is the smallest rotary shear available and is the perfect upgrade to, or replacement for, hand held shears. Powered by Eastman's Perma-Field motor, the Chickadee has 40% more power than any other hand held knife its size. Its streamlined, lightweight, construction helps eliminate operator fatigue.

Other features include:

- 2 1/4" (5.72 cm) round blade for general use or hexagon blade for sheer or difficult to cut cloth.
- Cutting capacity is 25% greater than competitive models.
- Built-in sharpener.
- Ergonomically designed
- Three different base plates and cutting tips can be selected:
  - Stabilizer Shoe: the "standard" foot attachment, a utility feature that lends itself well to all cutting and slitting operations.
  - Ball Tip: best when slitting tubular knits or other loosely woven materials.
  - Baseplate: a small baseplate fitted with needle rollers to create a lightweight, freestanding rotary shear; provides the greatest degree of accuracy from top to bottom ply.



### Long Handled Chickadee MODEL D2H

Has all the features of the D2 model, in addition to a long handle and a remote power switch. This is the ideal companion to any spreading machine for cutting out flaws, or when laying up fabrics; this allows the operator to reach across the table with ease, thereby improving cutting quality.



### Mini Cutter MODEL MC-8

The Eastman MC-8 Mini-Cutter is a cordless cutter perfect for all light duty cutting needs. It slices through all fabric, paper, and leather materials easily. The MC-8 features a cordless, rechargeable system and can also operate with AC power.



### Buzzaird Pneumatic Shear MODEL BZ

The Buzzaird is designed with a 20,000 RPM pneumatic motor suitable for wet environments. It is an extremely powerful rotary shear suitable for cutting single-ply leather, rubber, plastics, woven glass, coated materials, and much more. Available options include a Pelican head or swivel sharpener. Optional swivel sharpener is equipped with a 30 degree ball tip shear plate for close edge trimming.



### Workerbee MODEL WB

The Workerbee is a powerful, professional grade, cordless rotary shear. It is designed with the same precision cutting features as our standard rotary shears but with the convenience and portability that is afforded by battery power. The Workerbee is equipped with a 2-1/2" (5.16 cm) blade and a 7.2 volt battery pack - allowing for longer run time between charges.



### Workerbee Pelican MODEL WB-3M

The Workerbee Pelican is designed to cut lofted materials with ease. The Pelican head is available on the Buzzaird air-powered shear as well.



### Little Giant MODEL BBB32

The Little Giant model BBB32 features a 3 1/4" (8.26 cm) blade and a premium quality high torque universal motor which maintains its power under heavy loads. This machine is an economical alternative for cutting heavier weight materials such as upholstery and industrial fabrics.



### Gentle Giant MODEL BBS32

The BBS32 is Eastman's largest shear, featuring a premium quality, high torque universal motor to cut both lightweight material and heavy-duty fabrics with ease. This machine is an economical alternative for cutting through fine fabrics (such as low ply delicate synthetics) without pulls or damage to the material. The Gentle Giant, like all Eastman round knives, is perfect for cutting large radius curves and straight lines.

## Absolute Accuracy

Eastman end cutters provide fast and perfectly straight end cutting with the assistance of a guide for ultimate accuracy. Eastman Falcon End Cutters can save - during one eight hour shift - the equivalent of 200 yards of material when averaging only five end cuts per minute. With material costs increasing it is simple to see how the Eastman Falcon payback is calculated in days rather than months. The track guided Falcon series enables the operator to make a straight cut across the width of virtually any woven or non-woven material.

Available in manually-operated or automatic configurations, all Falcon end cutters are designed to provide absolute performance without sacrificing speed, accuracy or time. The standard end cutter is supplied with a clamping bracket that makes it possible to attach to most standard cutting tables. Small and compact, pneumatic models are ideal for cutting rubber and plastic sheeting; automatic models save time and money by offering a motorized cutting head and track lifting mechanism, while Heavy Duty models are designed for increased cutting capacity and for heavier materials. The most expensive material in your cutting room is the waste that ends up on the floor. The Eastman Falcon series eliminates the need for excessive selvage the minute it starts working for you.

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# End Cutters

The Eastman series of Falcon End Cutters provide the means to increase speed, efficiency and accuracy in your end cutting operation. The track guided Falcon enables the operator to make a fast, straight cut in virtually any material, no matter how tough; including quilted fabrics and foam up to 1-¼" (3.20 cm) thick.

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### Falcon IV End Cutter MODEL FAL-4

The Falcon IV gives you superior balance and effortless cutting features:

- Perma-Field Motor for more cutting torque with less heat build-up.
- Precision engineered profile and interior reinforcing ribs keeps track rigid even at lengths over 72".
- Clamping bracket allows the Falcon to be attached to any type of cutting table in seconds.
- Standard 40" (1.02m) length handle for use on tables up to 72" (1.83m) wide, with longer handles available.
- Other handle options include a push handle, a dual push/pull handle for extremely wide cuts requiring more than one operator, and a swivel handle for limited space applications.
- Patented Uni-Safe Terminal Block and Attachment Plug allows the operator to engage the power supply to the cutter with one hand.



### Heavy Duty Falcon MODEL 548FALHD5H

Eastman has combined the power of the Cardinal 548 round knife with a heavy duty ball bearing skate and rigid track system. The Heavy Duty Falcon has a "Quick-lift" lifting device allowing for manual spreading and cutting of goods such as heavy woollens, canvas and most industrial fabrics. The 548 Falcon has a cutting capacity of 1" (2.54cm); making it the industry's most powerful and versatile cut-off machine.



### Auto Track Falcon II MODEL ATF-II

Eastman's Auto Track Falcon II offers automatic traversing of the cutting head and an automatic lift feature. Both features enhance cycle time and throughput in comparison to manually operated models. The remote control enables the operator to activate the Auto Track Falcon's cutting cycle as soon as the operator is finished pulling the ply down the table.

- Cutting head traverses via servo-controlled gear motor.
- Simplified controls for ease of operator interface.
- Ply counter and variable traverse speed control.
- 4" (10.2 cm) round blade with up to 1-¼" (3.20 cm) cutting capacity.
- Remote control.
- Compression pressure foot ensures a clean cut for both heavy and soft materials.



### Falcon Air MODEL FAL-A

Eastman's Falcon Air has superior balance and a specially designed Falcon track with air power to decrease heat build-up during cutting. The Falcon Air is perfect for end cutting fusible materials such as heavy rubber and plastic sheeting or for cutting in wet environments where electricity is not applicable.



### Falcon 548 / 534 MODEL 548FAL / 534FAL

Eastman equips Cardinal models 548 and 534 with a special baseplate and handle to work with the Falcon guide track.

- For increased cutting capacity.
- Higher torque motor for effortless operation.
- Cutting head moves easily across the track, reducing operator stress.
- Falcon 548 cutting capacity up to 1" (2.54 cm).
- Falcon 534 cutting capacity up to ½" (1.27 cm).



### Auto Track Falcon II Pneumatic MODEL ATF-IIP

The Auto Track Falcon II Pneumatic has been designed with all mechanical functions driven by compressed air; including the cutting head, the rodless traversing device and the lifting mechanism. This enhances the durability and adaptability of the machine in environments with unreliable and fluctuating power source.

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# Drills and Marking and Special Applications

Eastman drills and marking machines work through numerous layers of fabric which allows for easy buttonhole, darts, or pocket markings for sewing applications; in addition to other intermediate production step processes. Eastman drills and markers are available in both hot and cold configurations, with a variety of drills and awls, and a choice of tips. Eastman also manufactures a large selection of special application products for pattern perforating, bundling, strip cutting and rag manufacturing.



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## Ultimate Precision

Make a mark of distinction with an Eastman machine. Engineered to operate with an unparalleled degree of refinement, only an Eastman can exude the confidence of ultimate marking and drilling precision; and the dependability of a genuine Eastman product for special applications. Whether it is notching, perforating, bundling, strip cutting or rag manufacturing, there is a specifically engineered Eastman product available.



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### Cloth Drill MODEL CD3

The Eastman Cloth drill marker can drill holes through numerous layers of fabric, indicating button holes, darts, pockets, and other attachment points. This is perfect for use on loosely knit, bulky, or quilted spreads, where a mark is needed, but where a burn mark would be unnecessary.

- Telescoping drive shaft and powerful AC motor for dependability and long service.
- Drill is available in three sizes, numerous hole diameters, and drill types.
- Decreased distortion, even on bulky and quilted spreads, provided by the large square baseplate.



### Hot Cloth Drill MODEL CD3H

The Hot Cloth drill leaves identifiable marks on loosely woven, or knit fabrics, where an ordinary drill mark would not be detected. The cloth drill fuses tightly woven synthetic materials, throughout the lay, thereby eliminating distortion in the marker. Along with the following additional features:

- Telescoping drive shaft with a powerful AC motor for dependability and long service life.
- Drill available in three sizes, with numerous hole diameters, and drill types.



### Hot Notcher MODEL HVN

The Hot Notcher is a multi-purpose tool used for marking and temporarily fusing loosely woven fabrics which can ensure precise alignment for sewing accuracy. The spread is held securely together and can be moved to the cutting area without shifting. The Hot Notcher marks a visible notch on materials instead of a slit notch which is not easily visible.



### Magnum Punch Perforator MODEL MP2

The Eastman Magnum Punch Perforator cuts four clean holes per inch (2.54 cm) through up to five thicknesses of paper. Punching strength is easily adjusted to accommodate various needs; a single switch allows the operator to free wheel without punching, single or continuous punch mode.

- Available in three punch sizes.
- Full line of pattern powder available in various colors to suit any type of pattern fabric.



### Threadmarker MODEL LTM

The Threadmarker is a dual use machine that provides a substitute method of short-term marking when a permanent mark is not desired, and for bundling cut pieces. Utilizing a needle, a thread is pulled through the material which allows the operator to determine where to place pleats, darts, buttons, or pockets. The Threadmarker LTM can also be used to bundle continuous toweling or bundles of clothes by binding them with thread prior to washing.

- Ensures matched pairs by eliminating loose cut patterns of varying sizes.
- Secures toweling, by preventing separation and tangling during the laundering process.
- Marking capacity of 6" (15.2 cm) with simple looper mechanism for ease of operation.



### Rag Cutter MODEL WE

The Eastman Rag Cutter is equipped with a heavy-duty motor and precision machined cutting head suited for high output operations which require maximum productivity. Available in multiple electrical configurations; single or dual workstation models; and telescopic height adjustment. The Rag Cutter is adaptable to many applications.



### Cutmaster MODEL CUTMASTER

The Cutmaster is designed to cut up to 4" wide (10.16 cm) of: belting; hook and loop fastener; belt loop; nylon zipper; lace; webbing; computer wire; and more!

- Equipped with a computerized control and digital display program for desired length and number of cuts.
- Automatic shut-off when operation is complete or material supply runs out.
- Guillotine blades provide sharp, clean, cold cuts.
- Hot blade for cutting and sealing synthetic weaves.



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