Eastman®

CUT TO EXCELLENCE

FROM HUMBLE BEGINNINGS

Over a century ago, a Canadian inventor named George Eastman developed the first fractional electric motor that could be mounted on a machine. The motor was attached to a reciprocating knife mechanism and the first electric fabric-cutting machine was born -- The Eastman. The Eastman revolutionized the apparel industry with a tool that ended tedious manual cutting-room labor. After countless patents and improvements from the first cutter built in 1888, Eastman's current product line includes over 100 machines that are sold worldwide and are the standard by which all cutting machines are judged.

Today, Eastman machines have gone beyond apparel to become the cutting standard for other industries. You will find Eastman is an integral part of the productivity in these industries:


AEROSPACE


APPAREL


AUTOMOTIVE


COMPOSITES


FURNITURE/ FIBER


GLASS LAMINATES


INDUSTRIAL FABRICS


MARINE

OUR MACHINES CUT THROUGH THE COMPETITION.

At Eastman, we use the highest quality materials to make the world's best cutting machines. Only genuine Eastman machines are built to precise specifications, rigorously tested, and delivered to the most demanding customers around the globe.

With more than 125 years of experience, we are proud to be the industry leader.

Eastman established itself more than a century ago as a world leader in developing advanced techniques and innovative technologies for the cutting room. Today, Eastman delivers engineering-based solutions that make real differences to facilities using new and high-tech materials as well as traditional textiles.

Eastman achieves its vision through the participation and energy of our worldwide network of sales, support and engineering staff. We develop and manufacture our machines in tandem with the industries we serve, operating as a comprehensive resource for your cutting needs. Our products are second-to-none and, through diligent service, support, and unprecedented warranties, have stood the test of time.

Eastman is a fifth-generation, family-operated business devoted to excellence. Our promise to craft reliable, quality, American-made solutions means that the Eastman product is guaranteed to perform and ensure your production requirements are realized. With five generations of our excellent reputation built into every machine, our customers are not just buying a product, they are partnering with a family dedicated to productivity and performance.

CUT STRAIGHT TO THE HEART OF THE MATTER.

The industry standard since 1888, Eastman straight knife machines are engineered with high-speed reciprocating cutting technology to cut the most diverse range of traditional, modern and industrial fabrics in the market today.

Fabricated using modern manufacturing technology, superior components and skilled craftsmen, the high torque motor and low profile baseplate design offers an optimal solution for cutting both intricate and simple patterns in stacked material plies. Designed for customization, the straight knife machine features numerous configurations in blades, edges and stroke. The versatility of the power, size, stroke and speed configurations of this product line sets the Eastman straight knife machine apart from its competitors, and has successfully done so for over a century.

DESIGN FEATURES

- Engineered with a low profile, polished and streamlined baseplate designed to reduce friction and distortion of material, regardless of the number of plies
- Constructed of superior quality materials to ensure durability and longevity
- Motor is designed and manufactured to efficiently disperse heat away from the operator
- Designed to cut out patterns, as well as straight lines in multiple thicknesses of material
- Motor housing incorporates a single-reservoir oiling system which eliminates the need to oil during a work shift
- One-touch automatic sharpener to keep the blade razor sharp
- Machines are available in eight different heights (5 in. – 13 in. / 12.7 cm – 33 cm), designed for different cutting applications; the lower the machine, the easier it is to maneuver

BLUE STREAK II®

(MODEL 629X)

Power to weight ratio offers easy handling and maneuvering, even for the tightest radius

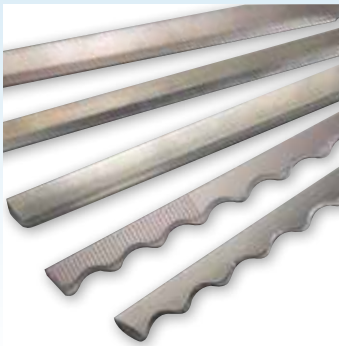
- Specially designed standard affords utmost accuracy from top to bottom when cutting multiple layers
- Tapered and relieved throat plate provides precision cutting, especially for the bottom plies

Straight Knife Specifications

MODEL	BLUE STREAK II®	BRUTE®	BRUTE® VARIABLE SPEED
Motors	110v, 1ph, 50/60Hz; 220v, 1ph or 3ph, 50/60Hz; 380v, 3ph, 50Hz Standard: Single Speed Optional: Dual Speed	Note: Variable Speed Motor is only available for the Brute. Note: 380v, 3ph, 50Hz is not available for Brute Variable Speed	
Horsepower	.65hp, 1ph .93hp, 3ph	1.25hp, 1ph 2.2hp, 3ph	2hp, 1ph at 4,000 RPMs 2hp, 3ph at 4,000 RPMs
Weight	34 lbs. (15.4 kg)	37 lbs. (16.7 kg)	41 lbs. (18.5 kg)
Blades	Standard: Carbon Steel Optional: High Speed Steel, PTFE Coated, Wave Edge, Wave Groove, Angled Tip		
Belts	Standard: Medium Grit Optional: Fine, Coarse, Rough		
Options	Micro Fog, Plastic Master, Auto-Stop Note: Auto-Stop, Micro Fog and Plastic Master are only available in 6 in. and 8 in., not available for Brute® VS model		
Stroke Sizes	1.125 in. (2.86 cm) // 1.25 in. (3.18 cm) // 1.5 in. (3.81 cm) // 1.75 in. (4.45 cm)		

Blade Size	5 in.	6 in.	7 in.	8 in.	9 in.	10 in.	11.5 in.	13 in.
English								
Metric	12.7 cm	15.2 cm	17.7 cm	20.3 cm	22.8 cm	25.4 cm	29.2 cm	33 cm
Cutting Capacity English	3.5 in.	4.5 in.	5.5 in.	6.5 in.	7.5 in.	8.5 in.	10 in.	11.5 in.
Metric	8.9 cm	11.4 cm	13.9 cm	16.5 cm	19.1 cm	21.5 cm	25.4 cm	29.2 cm

All indicated specifications, dimensions, weights and performance data are approximate and subject to change without notice.



BRUTE®

(MODEL 627X)

- Extra powerful motor, nearly twice the horsepower of the standard Blue Streak II® model, up to 2.2hp
- Designed to cut the toughest flexible materials and/or an increased number of ply
- Available in the same sizes, strokes and electrical configurations as the standard Blue Streak II® cutting machine

MICRO FOG™

(MODEL 627XMF / 627XMF)

- Ensures maximum heat reduction to eliminate fusing of materials aided by its dual speed motor, short stroke and wave blade
- The Micro Fog device sends a mist of coolant / lubricant behind the knife and out through a specially slotted knife-slide to evenly cool the entire blade
- Requires 90-120 psi (6.2-8.3 bars) compressed air

PLASTIC MASTER™

(MODEL 629XPM / 627XPM)

- Heat reducing features such as a dual speed motor, short stroke and wave blade reduce blade contact by 80%
- Special gravity feed moistening attachment to eliminate fusing
- Coolant flow can be adjusted to achieve the desired degree of lubrication and cooling required

DENIM BRUTE®

(MODEL 627X)

Special features designed to assist with efficiently cutting multiple plies of heavyweight materials with minimal operator fatigue:

- Lower handle bracket lowers the center of gravity of the machine, making it easier to maneuver (not shown)

Blades

- **Straight Front Blade**
  Used for cutting softer goods: cotton, wool and knit fabrics.
- **Angle Tip Blade***
  Used when cutting the toughest materials: denim, canvas, aramids and fiberglass.
- **Wave Blade**
  Designed for materials that will fuse: nylon and other synthetic goods. Designed for use with dual-speed machines.
- **Groove Wave Blade***
  Designed for use with the Micro Fog™ machine, the groove wave blade remains cool in temperature, eliminating conditions that cause fusing.

Test Cuts and Time Study

Eastman offers complimentary test cut evaluations using your materials and patterns and/or cut files to capture the machine's speed, material efficiency and recommended configuration prior to your investment. This value-added service, detailed feedback and optional video footage will play an influential role in your return on investment calculations.

*Available in high-speed steel only.

WHERE EFFICIENCY AND THROUGHPUT COME FULL CIRCLE.

Commonly used to cut straight lines or large radius curves, Eastman round knives are a combination of versatility, power, and ease of use – all in one.

The round knives are designed for a wide range of applications – from the softest silks to the toughest industrial fabrics. With five different blade sizes, various horsepower ratings and custom engineered gear ratios, the round knife is unsurpassed for straight cuts. Maximize performance and maneuverability by selecting the smallest blade size to handle current and anticipated greatest ply thickness. The possibilities of these powerful machines are endless.

BLADES

Available in carbon steel, high speed steel, slotted, grooved and PTFE coated

STANDARD

MODEL 548

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

- Available with two different blade sizes

HEAVY DUTY

MODEL 562

- Heavy-duty motor with increased torque and cutting capacity
- Ideal for general purpose cutting of flexible goods such as industrial-grade materials and composites

SUPER DUTY

MODEL 567

- Most powerful Eastman round knife
- Optional dual speed offers added versatility by allowing the operator to cut long straight areas and gentle curves in high speed, switch to low speed for cutting tight turns and then switch back, without stopping

Round Knife Specifications

MODEL	534	548	562	567	548CC	RS2	548BK	562BK//567BK
Motors	110v, 1ph, 50/60Hz // 220v, 1ph or 3ph, 50/60Hz // 380v, 3ph, 50Hz				110v, 1ph, 50/60Hz 220v, 1ph or 3ph, 50/60Hz	110v, 1ph, 50/60Hz 220v, 3ph, 50/60Hz	110v, 1ph, 50/60Hz 220v, 1ph or 3ph, 50/60Hz	110v, 1ph, 50/60Hz 220v, 1ph or 3ph, 50/60Hz 380v, 3ph, 50Hz
	High speed (3600/3000 RPM), Low speed (1800/1500 RPM) Note: Low speed option is not available for Model 534 Note: 380v, 3ph, 50Hz is not available for Models 534 or 548							
Horsepower	.20hp, 1ph .34hp, 3ph	.34hp, 1ph .48hp, 3ph	.65 hp, 1ph .93 hp, 3ph	1.25 hp, 1ph 2.2hp, 3ph	0.34hp, 1ph 0.48hp, 3ph	1.87hp, 1ph	0.34hp, 1ph 0.48hp, 3ph	0.65hp, 1ph // 1.25hp, 1ph 0.93hp, 3ph // 2.2hp, 3ph
Weight	16 lbs. (7.26 kg)	21 lbs. (9.52 kg)	30 lbs. (13.6 kg)	36 lbs. (16.3 kg)	30 lbs. (7.26 kg)	20 lbs. (9.12 kg)	22 lbs. (9.98 kg)	30 lbs. (13.6 kg) // 36 lbs. (16.3 kg)
Weight with strip gauge						30 lbs. (12.6 kg)		40 lbs. (18.24 kg) // 46 lbs. (20.98 kg)
Blades	Standard: Carbon Steel Optional: High Speed Steel, Slotted, Grooved, PTFE Coated Note: Slotted is not available for Model 534 or 548				Standard: Grooved Blade Optional: Carbon Steel, High Speed Steel, PTFE Coated, Slotted	Standard: High Speed Steel Optional: Carbon Steel, Grooved Blade, PTFE Coated, Slotted	Standard: Carbon Steel Optional: High Speed Steel, Grooved Blade, PTFE Coated, Slotted	Standard: Carbon Steel Optional: High Speed Steel, Grooved Blade, PTFE Coated, Slotted
Sharpener Stones	Standard: 120 Heavy Optional: 150 Medium, 220 Fine							
Standard Features						Knife Lubricator		
Options	Knife lubricator, stationary base plate				Knife Lubricator, Long Handle, Stationary Base Plate	Strip Gauge Material width capacity is 11", 18" or 24"	Knife Lubricator, Long Handle, Stationary Base Plate	Knife Lubricator, Strip Gauge, Long Handle, Stationary Base Plate
Blade Size English	4 in.	5.25 in.	6 in.	6 in.	7.5 in.	6 in.	7.5 in.	5 in.	7.5 in.	5 in.	7.5 in.
Blade Size Metric	10.2 cm	13.3 cm	15.2 cm	15.2 cm	19.1 cm	15.2 cm	19.1 cm	12.7 cm	19.1 cm	12.7 cm	19.1 cm
Cutting Capacity English	2.125 in.	3.125 in.	3.5 in.	3.25 in.	4.75 in.	3.25 in.	4.75 in.	1 in.	2 in.	1 in.	2 in.
Cutting Capacity Metric	5.4 cm	7.95 cm	8.89 cm	8.26 cm	12.07 cm	8.26 cm	12.07 cm	2.54 cm	5.08 cm	2.54 cm	5.08 cm

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LIGHTWEIGHT

MODEL 534

- The smallest round knife machine
- Lightweight maneuverability with power for cutting low plies
- Great for wool, cotton, silk, synthetics and various technical textiles

CARPET CUTTER

MODEL 548CC

- Designed to cut through most pile types and backings
- Allows for cutting along and against the grain in curves, or straight edges
- Blade is grooved to reduce heat

STANDARD SLITTING MACHINE

MODEL 548BK

- May be mounted in a stationary position, on a frame or with a standard baseplate for slitting
- Narrow profile allows for clean slitting and snag-free material flow

HEAVY DUTY & SUPER DUTY SLITTING MACHINE

MODEL 562BK / 567BK

- Designed to easily cut through high durometer rubber, plastic sheeting and dense, flexible materials
- Has a powerful motor and additional cutting capacity

PLASTIC MASTER™

MODEL 548PM

- Attachment available for all Cardinal Round Knives
- Plastic Master Cooling/Moistening device plus a special notched blade reduce friction and heat to eliminate fusing of temperature sensitive materials

RUBBER SLITTER

MODEL RS2

- Engineered to cut very dense rubber and plastic sheeting
- Equipped with a high torque motor and variable knife speed
- Also available with baseplate only

MAXIMUM CUTTING POWER IN THE PALM OF YOUR HAND.

Replace the tedium of cutting with scissors with Eastman's rotary shears — designed to provide maximum cutting power, versatility and maneuverability in the palm of your hand. These easy-to-use shears are suitable for a wide array of cutting applications: from traditional textiles and industrial fabrics to composites, they allow you to quickly cut intricate markers, one-of-a-kind patterns and samples. Eastman rotary shears and small round knives are the solution to low quantity cutting jobs common to many industries, and a choice of blade types offers maximum versatility for expert cutting. The shears are constructed of quality materials and carry Eastman Machine's legendary support and service.

BUZZAIRD™ PNEUMATIC SHEAR

MODEL BUZZ

The Buzzaird rotary shear is available with different shaped blades to maximize shearing, chopping or slicing of technical fabrics. The air powered motor provides an alternative solution to facilities where electric power is not sustainable.

- Engineered with a 20,000 RPM pneumatic motor
- Eastman's most powerful rotary shear with the highest torque and greatest RPM
- Optional Pelican head designed for cutting lofted materials
- Optional swivel sharpener is equipped with a 30 degree ball tip shear plate for close edge trimming

CHICKADEE®

MODEL D2

- Smallest and most widely used rotary shear available
- Perfect upgrade to, or replacement for, manual shears
- Streamlined, lightweight construction helps eliminate operator fatigue
- Built-in sharpener
- Equipped with round blade for general use, or optionally with a hexagon or four-sided blade for difficult-to-cut materials
- Newly engineered 220 volt model with improved electronics

Rotary Shears / Small Round Knife Specifications

MODEL	CHICKADEE B, D2 // D2H	BUZZAIRD	WORKERBEE	LITTLE GIANT	GENTLE GIANT
Motors	110v, 1ph, 50/60Hz 220v, 1ph, 50/60Hz	60-90psi	7.2V	110v, 1ph, 50/60Hz 220v, 1ph, 50/60Hz	
Horsepower	.10hp	.33hp	.33hp	0.10hp	
Weight	1 lb. 14 oz. (.85 kg) // 3 lbs. 8 oz. (1.6 kg)	3 lbs. (1.36 kg)	2 lbs. 7oz. (1.22 kg)	4 lbs. 2 oz. (2.27 kg)	
Battery Charger			110v, 60 Hz / 220V, 50 Hz		
Blades	Standard: Circular Optional: Hexagon	Standard: Semi-Square Optional: Circular, Octagon	Standard: Circular Optional: Semi-Square, Octagon	Standard: Carbon Round Optional: High Speed Round, Carbon Hexagon	Standard: Carbon Hexagon / Optional: Carbon Round, High Speed Round
Sharpener Stones				Standard: 120 Heavy Optional: 150 Medium, 220 Fine Note: Dual Wheel Sharpener is standard for Little Giant Dual Wheel Sharpener is unavailable for Gentle Giant	
Options	Standard: Pressure Foot Optional: Ball Tip, Swivel Sharpener	Optional: Pressure Foot, Ball Tip, Pelican, 30 Degree Point, Swivel Sharpener, Shear Foot	Optional: Ball Tip, Pelican		
Blade Size English	2.25 in.	2.03 in.	2.03 in.	3.25 in.	
Blade Size Metric	5.72 cm	5.16 cm	5.16 cm	8.26 cm	
Cutting Capacity English	0.5 in.	0.38 in.	0.38 in.	0.625 in.	
Cutting Capacity Metric	1.27 cm	0.96 cm	0.96 cm	1.59 cm	

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LONG-HANDLED CHICKADEE®

MODEL D2H

- Features a long-handle and power switch, in addition to all of the standard D2 features
- Ideal companion to any spreading machine for cutting out flaws, or when laying up fabrics
- Allows the operator to reach across the table with ease, thereby improving cutting capability

HORNET

MODEL HRNT

- Powerful, professional grade, cordless rotary shear weighing 4.0 lbs. (1.8 kg)
- Convenience and portability; battery powered
- Provided with two 20 volt batteries – one for operation, one for charging
- Batteries recharge time: 1 hour/battery
- High torque motor can cut anything from prepreg carbon to silk with ease

LITTLE GIANT

MODEL BBB32

- Features a 3¼ inch (8.26 cm) blade with a high torque motor to maintain power under heavy loads
- An economical alternative for cutting heavier weight materials such as upholstery and industrial fabrics

GENTLE GIANT

MODEL BBS32

- Eastman's largest shear with a high-torque motor
- Suitable for cutting lightweight materials and heavy-duty fabrics with ease
- Cuts through low-ply delicate synthetics without pulls or damage to the material

EASTMAN MACHINES CUT THROUGH:

Furniture/Bedding

- Various Upholstery Fabrics
- Suede
- Foam
- Linen
- Batting
- Fiberfill Polyester Stuffing
- Quilted Materials / Ticking

Composites/Ballistics

- Nylon
- Adhesives
- Quartz Pre-preg
- Graphite
- Fiberglass (Various Types of Dry and Prepreg)
- Carbon Fiber (Various Types of Dry and Pre-preg)
- Aramid (Various Types of Dry and Prepreg)
- Linen Canvas
- Breather Material

Industrial Fabrics

- Various Coated Materials
- Polyester (500,1000 Denier)
- Polyethylene
- Polyurethane Coated Nylon
- Ripstop Nylon
- Burlap
- PVC
- Carpet
- Urethane
- Vinyl
- Reinforced Vinyl
- Vinyl Coated Fiberglass
- Canvas
- Filter Media
- Artificial Leather
- PE Tank Liner
- Mesh (Various Types)
- Screen
- Rubber Backing
- PTFE Fiberglass
- Synthetic Rubber
- Elastic
- Webbing

INCREASE VERSATILITY. REDUCE WASTE.

The Eastman series of Falcon® end cutters provide fast, efficient and accurate end cuts in a wide range of pliable materials. Drastically reducing the waste that ends up on the cutting room floor, the Falcon series eliminates the need for excessive selvage. Available to cut 48-144 inch wide material (1.22-3.66 m), these systems are known for their quality, versatility and ease of use. The range of models and configurations ensures that Eastman has the right equipment for your material and specifications.

DESIGN FEATURES

- Standard 40 inch (1 m) length handle, optional lengths and configurations available
- Supplied with a clamping bracket that makes it possible to attach to most standard cutting tables
- Automatic models save time and money by offering a motorized cutting head and track lifting mechanism

FALCON® IV

MODEL FAL-4

The superior balance and specially designed track of Eastman's Falcon IV machine allows the knife to glide effortlessly for perfectly straight line end cuts.

- Perma-Field Motor for more cutting torque with less heat build-up
- Reliable, versatile and easy to use
- Precision engineered profile and interior reinforcing ribs keeps track rigid, even at lengths over 72 inches (1.82 m)

AUTO TRACK FALCON® II

MODEL ATFII

- Automatic traversing of the cutting head with an automatic lift feature to enhance cycle time and throughput compared to manual models
- Compression pressure foot ensures a clean cut for both heavy and soft materials
- Remote control enables the operator to activate the cutting cycle as soon as the operator is finished pulling the ply down the table
- Alternative pneumatic head available for heavy-duty cycle environments where frequent starting / stopping is required

End Cutters Specifications

MODEL	AUTO TRACK FALCON® II	AUTO TRACK FALCON® II PNEUMATIC HEAD	FALCON® IV	FALCON® AIR	FALCON® 534	FALCON® 548	FALCON® 548HD	FALCON® 562HD
Table Widths Available	48-144 in. (1.22-3.66 m)							
Motors	110V, 1ph, 50/60 Hz 220v, 1ph or 3ph, 50/60Hz	60-90 psi Control Box Only: 110v, 1ph, 50/60Hz 220v, 1ph or 3ph, 50/60Hz	110v, 1ph, 50/60Hz 220V, 1ph, 50/60Hz	60-90 psi	110V, 1ph, 50/60Hz 220v, 1ph or 3ph, 50/60Hz			
Horsepower	0.15hp	.33hp (20,000 rpm)	0.15hp	0.10hp	0.20hp, 1ph 0.34hp, 3ph	0.34hp, 1ph 0.48hp, 3ph		0.65hp, 1ph 0.93hp, 3ph
Weight with track & lifters	160 lbs. (72.60 kg)	157 lbs. (71.20 kg)	55 lbs. (24.95 kg)	54 lbs. (24.49 kg)	65 lbs. (29.5 kg)	70 lbs. (31.75 kg)	75 lbs. (34.02 kg)	85 lbs. (38.56 kg)
Standard Features	Auto Start/Stop, Ply Counter, Speed Setting, Compression Foot, Remote Control	Auto Start/Stop, Ply Counter, Speed Setting, Compression Foot, Remote Control	Cam Mount Manual Switch Toggle Manual Switch, Pull Handle	Cam Mount Manual Switch, Pull Handle	Toggle Manual Switch, Pull Handle		Heavy-duty steel track and skate system	
Options	Auto Lifter, Foot Pedal, Material Alignment	Auto Lifter, Foot Pedal, Material Alignment	Manual Lifter, Bias Lifter, Compression Foot, Material Alignment, Push Handle, Swivel Handle	Manual Lifter, Bias Lifter, Material Alignment, Push Handle, Swivel Handle	Manual Lifter, Bias Lifter, Air Lifters, Material Alignment, Push Handle, Swivel Handle			
Blade Size English	4 in.	4 in.	4 in.	3.25 in.	4 in.	5 in.	5 in.	7.5 in.
Blade Size Metric	10.2 cm	10.2 cm	10.2 cm	8.26 cm	10.2 cm	12.7 cm	12.7 cm	19.1 cm
Cutting Capacity English	1.25 in.	1.25 in.	1.25 in.	0.5 in.	0.5 in.	1 in.	1 in.	2 in.
Cutting Capacity Metric	3.20 cm	3.20 cm	3.20 cm	1.27 cm	1.27 cm	2.54 cm	2.54 cm	5.10 cm

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HEAVY DUTY FALCON®

MODEL 548FALHD5H

- Combination of the Cardinal 548 round knife with a heavy duty ball bearing skate and rigid track system, excellent for applications where debris is generated
- Features a "Quick-Lift" device for allowing manual spreading and cutting of goods like heavy woolens, canvas and most industrial fabrics, including composite materials

FALCON® 548 / 534

MODEL 548FAL / MODEL 534FAL

- Utilizes the Eastman Cardinal Round Knife models with a special baseplate and handle
- Offers increased cutting capacity
- Higher torque motor for effortless operation
- Cutting head moves easily across the track, reducing operator stress

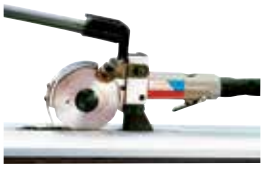
HEAVY DUTY FALCON

MODEL 562FALHD75X

- Combination of torque and blade speed enables more cutting power for thicker or denser materials
- Large skate with spring loaded bearings to prevent any sway in the cutter during operation

FALCON® AIR

MODEL FAL-A



- Specially designed Falcon track with pneumatic powered cutting head to decrease heat build-up
- Perfect for end cutting fusible materials such as heavy rubber and plastic sheeting
- Equipped with a special 3.25 inch (8.25 cm) octagonal blade which creates a chopping action

EASTMAN MACHINES CUT THROUGH:

Specialty Materials

- Aramid Reinforced Vinyl
- Aramid Reinforced Rubber
- Film Adhesives
- Skid Strips for Stairs
- Carpet
- Vinyl Flooring
- Fiber Reinforced Polymer
- Rubber
- Foam Core
- Foam (Closed and Open Cell)
- Rigid Plastic and 6 Mil Plastic

Gaskets / Seals

- Silicon Rubber
- Cork PTFE
- Hard Rubber

Apparel

- Silk
- Satin
- Cotton
- Terry Cloth
- Wool
- Denim
- Fleece
- Knits
- And more!

MARKED FOR SUCCESS.

Eastman drills and marking machines work through numerous layers of material allowing for easy buttonhole, darts or other markings.

The machines are available in both hot and cold configurations, with a variety of drills, awls and choice of tips. Eastman also manufactures a large selection of special application products for pattern perforating, bundling, strip cutting and rag manufacturing.

RAG CUTTER

MODEL WE

Used by hundreds of companies as a means of making rags, disposable wipes and towels, Eastman's rag cutter also has a place at manufacturing facilities seeking solutions for repurposing expensive scrap materials.

- Equipped with a heavy-duty lubricated and sealed motor
- Features built-in sharpener and button remover
- Features telescopic height adjustment
- Available in single or dual workstation models
- Adaptable to many materials and applications

CLOTH DRILL

MODEL CD3

- Drills holes through numerous layers of fabric to indicate button holes, darts or other markings
- Perfect for use on loosely knit, bulky or quilted spreads where a mark is needed but a burn mark unnecessary
- Telescoping drive shaft and powerful AC motor for dependability and durability

HOT CLOTH DRILL

MODEL CD3H

- Leaves identifiable marks on loosely woven materials or knit fabrics where an ordinary drill mark would not be detected
- Fuses tightly woven synthetic materials throughout the lay, thereby eliminating distortion in the marker
- Variable heat setting

Drill Specifications

MODEL	CLOTH DRILL / HOT CLOTH DRILL			
Motors	110v, 1ph, 50/60Hz 220v, 1ph or 3ph, 50/60Hz			
Horsepower	0.20hp, 1ph 0.34hp, 3ph			
Weight	15 lbs. 12 oz. (6.84 kg) / 18 lbs. (8.16 kg)			
Standard Features	Hot Cloth Drill: Temperature Control			
Drill Tips Available	Standard: Taper Point Optional: Diamond Point, Open End Awl, Closed Awl, PTFE Coated			
Drill Diameter	English	Metric	English	Metric
	3/64 in.	1.19mm	3/16 in.	4.76 mm
	5/64 in.	1.98mm	1/4 in.	6.35 mm
	3/32 in.	2.38mm	5/16 in.	7.93 mm
	1/8 in.	3.18mm	3/8 in.	9.52 mm
	5/32 in.	3.97mm		
Drilling Capacity English	6 in.	8 in.	11 in.	
Drilling Capacity Metric	15.2 cm	20.3 cm	27.9 cm	

Special Applications Specifications

MODEL	RAG CUTTER WE	CUTMASTER
Motors or Power	110v, 1ph, 50/60Hz 220v, 1ph, 50/60Hz 380v, 3ph, 50Hz	115v, 90 psi
Horsepower	0.50hp	
Weight	73 lbs. (33.1 kg)	85 lbs. (38.77 kg)
Blades	Standard: Carbon Steel Optional: High Speed Steel, Grooved Blade, PTFE Coated	
Standard Features	Twin Cutting Heads	15 in. max. roll capacity 4 in. max. material width 999.99 in. max. cutting length 999,999 max. piece count
Options	Single Cutting Head	
Blade Size English	6 in.	
Blade Size Metric	15.2 cm	
Cutting Capacity English	1.38 in.	
Cutting Capacity Metric	3.5 cm	

Marking Specifications

MODEL	HOT NOTCHER	MAGNUM PUNCH	
Motors	110v, 1ph, 50/60Hz 220v, 1ph or 3ph, 50/60Hz	110v, 1ph, 50/60Hz 220v, 1ph or 3ph, 50/60Hz	
Weight	14 lbs. 4 oz. (6.75 kg)	8 lbs. (3.63 kg)	13 lbs. 3 oz. (5.75 kg)
Standard Features	Temperature Control	Single Punch Trigger	
Mark Diameter English		1/16 in. 3/32 in. 1/8 in.	3/64 in. 1/16 in. 5/64 in.
Mark Diameter Metric		1.59 mm 2.38 mm 3.18 mm	1.19 mm 1.59 mm 1.98 mm
Depth Capacity English			2 in. 4 in. 6 in.
Depth Capacity Metric			5.08 mm 10.2 mm 15.2 mm

All indicated specifications, dimensions, weights and performance data are approximate and subject to change without notice.

MAGNUM PUNCH PERFORATOR

MODEL MP2

- Cuts four clean holes per inch (2.54 cm) through up to five thicknesses of paper
- Punching strength is adjustable to accommodate various needs
- 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

HOT NOTCHER

MODEL HVN

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

THREADMARKER

MODEL LTM

- Provides a substitute method of short-term marking when a permanent mark is not desired
- Designed 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
- Ensures matched pairs by eliminating loose cut patterns of varying sizes
- Secures toweling by preventing separation and tangling during the laundering process
- Maximum marking capacity of 6 inch (15.2 cm) with simple looper mechanism for ease of operation

WHEN IT COMES TO SERVICE, WE'RE A CUT ABOVE THE REST.

CUSTOMER SERVICE

Eastman's unique size allows for personalized service, where responses to inquiries are immediate and long-term relationships are developed.

Eastman has thrived for over a century throughout many changes in the industry, assuring customers that Eastman can be trusted to support them for the life of their machine investment. The number one goal of Eastman's sales and customer service team is to add value to your production processes.

REPAIRS & WARRANTY

Eastman warrants to the buyer that machines shall be free from defects in materials or workmanship for a period of 180 days commencing on the date of invoice.

If Eastman determines that the goods or parts are defective in materials or workmanship, Eastman's sole obligation under this warranty shall be, at Eastman's sole option, to repair or replace the defective goods or parts or to provide to the buyer a credit equal to the portion of the purchase price allocable to the defective goods or parts.

This warranty shall not apply if defects are caused by product misuse or neglect, if the machine has been altered or modified by the buyer, or if other than genuine Eastman belts, emery wheels, knives or parts are used in the machine.

OUR HISTORY

1888
Eastman introduces first fabric cutting machine

1898
Stevenson family acquires full ownership

1900-1920
Eastman expands internationally with sales agents est. in Europe, South America, South Africa

1920-1965
Intense Product Design Phase

1965-1980s
C.P. Stevenson leads Eastman through a period of continuous advancement, acquiring CRA, the world's leading manufacturer of cloth spreading machines

GLOBAL OUTREACH

Sales and service offices are located globally to support the team of experts at the company headquarters in Buffalo, New York (USA). Telephone support is readily available to meet the immediate needs of thousands of customers worldwide. References may be furnished from a broad base of elite customers in the wind energy, marine, composites, military, aerospace, apparel and industrial fabrics industries to support Eastman's commitment to providing the appropriate manufacturing solution, tailored to unique customer environments.

PREVENTATIVE MAINTENANCE

To ensure that your equipment runs at peak performance levels and with continued reliability, Eastman suggests following our recommended preventative maintenance schedule. This comprehensive list of daily, monthly and yearly tasks will guarantee ongoing quality performance while limiting machine down-time.

TEST CUTS AND TIME STUDY

Eastman offers complimentary test cut evaluations using your materials and patterns and/or cut files to capture the machine's speed, material efficiency and recommended configuration prior to your investment. This value-added service, detailed feedback and optional video footage will play an influential role in your return on investment calculations.

EXPERT TECHNICIANS

Eastman's technical support department is made up of a dedicated staff of professionals with years of experience troubleshooting and servicing all mechanical and electrical related aspects of the manual cutting machines. Eastman believes that service doesn't end at delivery, and that support and dependability are key components to building strong relationships and adding customer value.

1988
Robert Stevenson, Wade Stevenson take over ownership as 4th generation. Shown with Trevor Stevenson, 5th generation

1995
Acquires North Technology Systems from North Sails Group. Eastman expands into new industries such as composites & industrial fabrics

2004
Factory in Ningbo, China established to service Chinese market

2008
Eastman acquires Saber Industries of Nashville, TN – adding spreading machines for heavy roll weight capacities

PRESENT DAY
1000+ automated systems installed in over 20 countries; tens of thousands of manual machines in

EASTMAN MACHINES NEVER QUIT. THEY JUST GET NEW PARTS.

Synonymous with Eastman's century-long history of providing premium quality cutting machines, Eastman manual cutting machines and accessory equipment have been engineered using superior components and designed for rigorous daily use. To maintain the level of craftsmanship provided at the time of your original equipment investment, Eastman offers a readily available list of high quality blades, parts and accessories, machined with specific tolerances to guarantee reliable performance levels. Replacement parts and consumable items are available from stock, with worldwide shipping for your convenience.

STRAIGHT KNIFE BLADES

Genuine Eastman blades feature an exclusive heat tempering process which hardens the blade's cutting area, while maintaining flexibility in the blade's tang. With a genuine Eastman blade, you have precision tolerances and superior wear characteristics – you sharpen less frequently and cut more material. Every Eastman blade is precisely machined to hold critical tolerances of plus or minus .001 inches.

A genuine Eastman blade offers decreased maintenance costs, less downtime, longer blade life and consistent quality cuts.

Poor quality and inconsistent thickness of generic blades accelerate the wear and tear on critical parts like the slides, crosshead, and guides.

Carbon Steel Blade – softer and sharpens more easily.

High Speed Steel – premium quality hardened steel, extending service life. Ground with a straight bevel, which provides a consistent edge throughout the life of the blade.

ABRASIVE BELTS – STRAIGHT KNIVES

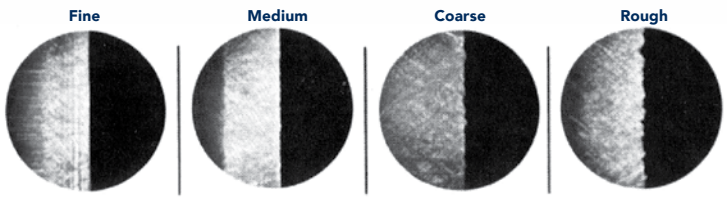
Eastman's four abrasive belt grits offer an edge for every fabric. For increased cutting efficiency, Eastman offers four different edges as produced by four different abrasive belts. These belt grits are available in convenient color-coded boxes for easy identification.

Fine Edge
Slices through knitted, loosely woven or high-pile materials.

Medium Edge
Typically used for synthetics, cottons, light woolens and similar materials.

Coarse Edge
For heavier weight variations of cotton, woolens, aramid and other industrial materials.

Rough Edge
The edge that saws through heavy denim, coated fabrics, treated canvas and simulated leathers. This edge creates a sawing action for heavier weight materials.



Shown at 250X Microphotographs

ROUND KNIFE BLADES

Eastman round knife blades are designed for all of Eastman's rotary shears, end cutters, specialty and round knife machines. There are several sizes and styles available to fit any cutting application.

Alternative shapes for round blades:

Octagonal/Hexagonal/Semi-Square

- Square-sided blades are an alternative to scissors-style cutting. This type of blade chops, rather than shears.

Single or Double Bevel

- Round blades have either a single or double beveled edge, configured for either shearing or slicing.

EASTMAN MAINTENANCE SUPPLIES

Regular preventative maintenance, lubrication, and use of genuine replacement parts will insure your Eastman machine provides years of trouble free production.

Lubricating your machine according to the recommended schedule supplied in the Eastman operation manuals will increase the longevity of the machine's operation.

Applicable machines have recommended daily, weekly and monthly schedules available. Using unapproved lubricants may result in damage to your machine. Using an excessive amount of oil may also damage the machine.

Please contact our customer service group with any questions about these products, or refer to the instruction manual.

STONES

ROUND KNIVES AND ROTARY SHEARS

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 decreased.

- Extra Fine – 220 Grit
- Fine – 180 Grit
- Medium –150 Grit
- Regular – 120 Grit

EASTMAN DRILL BIT REFERENCE GUIDE

Eastman offers a wide selection of drill points and awls for different types of materials in numerous diameters.

Diamond point: When working with non-fusible, dense material such as natural wools or cottons. Bit is usually heated to separate and mark fabric.

Taper point: For fusible lightweight synthetic fabrics. Bit is usually heated to separate and mark fabric.

Open end awl: When a definite hole is desired (material is removed rather than displaced). Used primarily on dense materials. Great for marking a wide range of materials.

Closed end awl: For dense material when raveling is a problem.

DRILL OR AWL DIAMETER

3/64″ 5/64″ 3/32″ 1/8″ 5/32″ 3/16″ 1/4″ 5/16″ 3/8″

Recommended spare parts lists and instruction manuals per machine are available upon request. Please contact Customer Service at customerservice@eastmancuts.com or visit www.eastmancuts.com.

EASTMAN QUALITY GUARANTEE

Eastman Machines are built to stand the test of time. However, the popularity of Eastman has led to a flood of imitators trying to capitalize on the Eastman brand. To protect our customers from this fraud, we have created the Eastman Quality Guarantee seal.

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