

 Eastman®

THE  
DIFFERENCE  
IS CLEAR  
CUT.



# Eastman

OVER A CENTURY OF CUTTING EXPERTISE

## 1888-Eastman introduces revolutionary electric cutting machine



The first electric fabric cutting machine was born--The Eastman.

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.

## 1908- Eastman expands internationally



Eastman Cutting machines displayed at a tradeshow, 1902

Today, Eastman serves diverse world-wide industries from its headquarters in Buffalo, NY, its sales office in Hong Kong, its factory in Ningbo, China and its 50 worldwide dealers. Eastman is one of only a few manufacturing companies that can lay claim to thriving through three centuries, an accomplishment credited to upholding a tradition of delivering durable machinery, superior service and expertise. From the original Blue Streak straight knife cutting machine, to the most recent state-of-the-art Automated Cutting Systems, Eastman offers the world's widest range of cutting application solutions.

# CUT

## 1995-Automation brings new industry exposure



The Eagle™ conveyor system boasts supreme capabilities for single- to low-ply cutting requirements. It has the ability to continuously convey rolled material goods with consistent speed and control. Eastman's gantry and tool-head design are engineered to cut the most diverse technical and industrial fabrics available, while exceeding industry standards for accuracy. The robust conveyor design delivers unrivaled levels of material utilization and is often capable of cutting multiple layers without plastic overlay\*. This computer-controlled cutting system requires minimal operator guidance to automatically feed and spread material to the identified start position. Smooth and accurate cutting of long markers is accomplished with the support of a powerful, yet quiet and self-contained vacuum system. With basic training from skilled Eastman technicians, your operator will learn how to adjust tool settings, cutting pressures and blade exposures to maximize your investment. Frequently processed application settings can be conveniently stored within the operating control system library to minimize any operator downtime and eliminate the loss of important production information.

At Eastman, engineered excellence isn't just our goal...it's our inspiration...

# Eastman®

## COMPANY BRIEF INTRODUCTION

Eastman C.R.A. (Hong Kong) Ltd., Eastman India Branch office as well as the Eastman Ningbo offices provide the network of Sales and Technical Service throughout India, China, the Middle East and the other major area in Asia. We specialize in all kinds of garment cutting and tailoring machine manufacturing, including series of straight knife cutting machine, fully auto spreading machine, bandknives and the automated cutting system.



In order to expand business and distribution network in China, Eastman Garment Equipment(NingBo) Co, Ltd. was established in 2004 and also providing customers the finest cutting equipment and reinforce after sale service for our valuable customers.

PRESIDENT:AKIRA HIRATA

## MANUAL CUTTING MACHINE

STRAIGHT KNIFE CUTTING MACHINE MODEL:629X & 627X	01
STRAIGHT KNIFE MODEL:627PM & 629PM	02
MODEL:SC-2000, MODEL CD3 ,MODEL CD3H	03
END CUTTER EC-3 & EC-6 & EC-9	04
BAND KNIFE MODEL: EC-700N & EC-900N	05
CHICKADEE MODEL:D2 & HVN, MP2, LTM	06
ROUND KNIFE CUTTING MACHINE MODEL:EC-35 & EC-45, 534, 548, 567	07

## AUTOMATIC CUTTING MACHINE

STATIC CUTTING TABLE MODEL:M9000	08
CONVEYOR CUTTING SYSTEM MODEL: Eagle™	09
MULTI-PLY CUTTING SYSTEM MODEL:MPC-7000™	10

## FULL AUTO SPREADING MACHINE

AUTO SPREADING MACHINE WITH TENSION FREE SYSTEM MODEL:NA-600FN	11
AUTO SPREADING MACHINE(SERVO SYSTEM) MODEL:NA-950	12
AUTOMATIC SPREADING MACHINE(SPECIALIZED FOR WOVEN FABRIC) MODEL:NA-800	13
AUTOMATIC SPREADING MACHINE(SPECIALIZED FOR WOVEN FABRIC) MODEL:NA-850	14
AUTOMATIC TUBULAR SPREADING MACHINE MODEL:NA-200	15
SPREAD&END CUTTING SYSTEM MODEL:BJ-500	16

## ANCILLARY PRODUCTS

MODEL:CT-3, PT-8	17
SOFTWARE & HARDWARE OPTIONS FOR AUTOMATED SYSTEMS	18

- The specification and feature of the Eastman machine may be changed in order to improve quality without prior notice.
- For safety sake, please always follow the machine guide book, consult with our Eastman sales engineers and technicians as well as the authorizes dealers for proper machine operation, installation, and maintenance.
- Eastman company has the right for final interpretation of the machine information.

# 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.



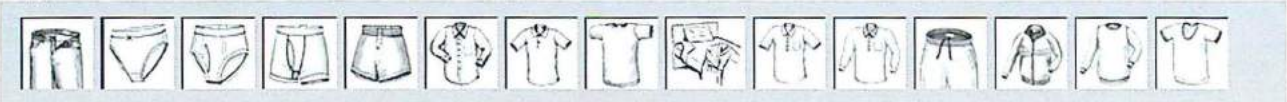
## Brute® Model 627X

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.

### SPECIFICATION

	MODEL 629X				MODEL 627X			
WEIGHT	N. W.	15.42kg(N.W.)			16.87kg(N.W.)			
	G. W.	19.00kg(G.W.)			20.45kg(G.W.)			
HORSE POWER	0.65 H.P. 220V SINGLE PHASE 0.93 H.P. 380V THREE PHASE				1.25 H.P. SINGLE PHASE 220V SINGLE PHASE 2.20 H.P. THREE PHASE 380V THREE PHASE			
SINGLE SPEED	629X				627X			
DAUL SPEED	629DS				627DS			
SPEED	2850rpm/min							
KNIFE SIZE	5	6	7	8	9	10	11.5	13
CUTTING CAPACITY	3.5	4.5	5.5	6.5	7.5	8.5	10	11.5
STROKE	1 1/8, 1 1/4, 1 1/2, 1 3/4							
PACKING SIZE(cm)	77x40x30							

### Applicable Customers



# Eastman®

## 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.



## 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 90-120psi (6.2-8.3 bars) compressed air.

### PLASTIC MASTERS™ (STRAIGHT KNIVES)

	PLASTIC MASTER™			MICRO FOG™	
	629PM	627PM		629MF	627MF
<b>MOTORS:</b>					
100v, 1 ph	Available	Available		Available	Available
110v, 1 ph	Available	Available		Available	Available
220v, 3 ph	Available	Available		Available	Available
220v, 3 ph	Available	Available		Available	Available
380v, 3 ph	Available	Available		Available	Available
DUAL SPEED	Standard	Standard		Standard	Standard
<b>WAVE EDGE BLADE:</b>					
CARBON STEEL	Available	Available		Available	Available
HIGH SPEED STEEL	Available	Available		Available	Available
TEFLON COATED	Available	Available		Available	Available
GROOVED BLADE	N / Available	N / Available		Standard	Standard
<b>BELTS:</b>					
WATER PROOF	Standard	Standard		Standard	Standard
<b>WEIGHT</b>	35 lbs.	38 lbs.		34 lbs.	37 lbs.
	15.9 kg.	17.3 kg.		15.4 kg.	16.7 kg.
<b>HORSEPOWER</b>	.65 hp. 1 ph	.93 hp. 3 ph		.65 hp. 1 ph	.93 hp. 3 ph
<b>BLADE SIZE</b>	6" 15.2cm	7" 17.8cm	8" 20.3cm	6" 15.2cm	6" 15.2cm
<b>CUTTING CAPACITY</b>	4 1/2" 11/8"	5 1/2" 1 1/2"	6 1/2" 1 3/4"	4 1/2" 1 1/4"	4 1/2" 1 3/4" 2.86cm
<b>STROKE SIZE</b>	11.4cm 3.18cm	13.9cm 3.81cm	16.5cm 4.45cm	11.4cm 3.18cm	11.4cm 2.86cm

# AUTO-ARM CUTTER SC-2000



## SPECIFICATION

Electrical Specification	220V . 1ph 50Hz 220V . 1ph 60Hz
Power Consumption	1.5Kw
Machine Weight	50Kg
Standard Version	Automatic/Semi-automatic
Cutting Machine Blade Sizes	8" , 10"
Cutting Capacity	From 16.5cm--24.5cm (5 1/2"--10")
Standard Unit For Table Width Up To	204cm (80" )
Longer Arm	Available Up To 96"

## DRILLS AND MARKING CLOTH DRILL MODEL CD3/CD3H



Cloth drills are used to make a mark through numerous layers of fabric to indicate positions of buttonholes, darts, pockets etc., for sewing and other steps in the production of the finished product.

Cold drills are recommended for use with woven fabrics that leave a visible hole when penetrated by a cold drill bit.

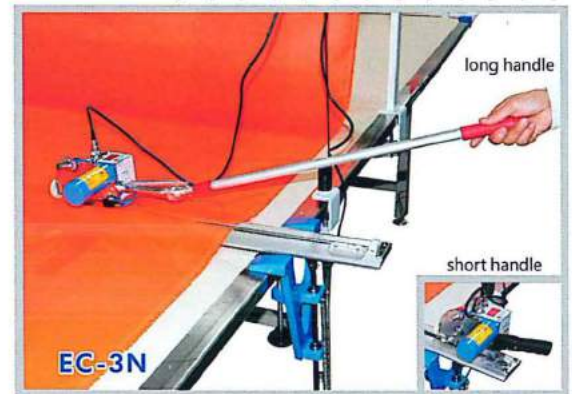
Hot drills are used in knit or loosely woven materials to make a visible burn mark where a cold drill hole would be lost or to drill holes in the waste area of a lay of heat sensitive material in order to fuse the plies together and reduce fabric shifting during cutting.

- 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.

WEIGHT	15 lbs., 12oz. 6.84kg.	18 lbs. 8.16kg.
HORSEPOWER	.20 hp, 1 ph .34 hp, 3 ph	.20 hp, 1 ph .34 hp, 3 ph
DRILL DIAMETERS	3/64" 5/64" 3/32" 1/8" 5/32" 3/16" 1/4" 1.19mm 1.98mm 2.38mm 3.18mm 3.97mm 4.76mm 6.35mm	
DRILLING CAPACITY	6" 15.2cm	8" 20.3cm

# Eastman®

## END CUTTER EC-3N & EC-6N & EC-9N



	EC-3N MANUAL END CUTTING	EC-6N SEMI-AUTOMATIC END CUTTING	EC-9N FULLY-AUTOMATIC END CUTTING
CUTTING HEAD	MOTORIZED CUTTING HEAD	MOTORIZED CUTTING HEAD	MOTORIZED CUTTING HEAD
CUTTING	BY HAND WITH LONG HANDLE (OR SHORT)	STEPPING MOTOR DRIVEN	STEPPING MOTOR DRIVEN
TRACK	Option 108" 120" 132"	Option 116" 132" 148"	Option 116" 132" 148"
CUTTING LENGTH	MAX 84" 96" 108" 120" BY HAND	MAX 84" 100" 116" 132" PRESET LENGTH CONTROL	MAX 84" 100" 116" 132" PRESET LENGTH CONTROL
TRACK LIFTER	BY HAND	BY HAND	AUTO
STANDARD ACCESSORIES			
TRACK & LIFTER	STANDARD (WITH 96" TRACK)	STANDARD (WITH 100" TRACK)	STANDARD (WITH 100" TRACK)
COUNTER	STANDARD	STANDARD	STANDARD
FABRIC HOLDERS	PAIR OF FABRIC HOLDER	PAIR OF FABRIC HOLDER	PAIR OF FABRIC HOLDER
FABRIC HOLDERS	STANDARD	STANDARD	STANDARD
CORD HANGER	STANDARD	NIL	NIL
EMERGENCY STOP	NIL	STANDARD	STANDARD
OPTION EQUIPMENT			
CLOTH PRESS TRACK	OPTION	OPTION	OPTION



# BAND KNIFE EC-700N & EC-900N

# Eastman®



- Variable speed provided by unique inverter control adapts cutting to every type of material. Speed can easily be changed by touch panel.
- Digital read-out of knife speed, easily adjustable to suit various cutting requirements.
- Touch panel with digital display is built into work-table for maximum ease of operation.
- Very low vibration and noise levels achieved by compact, light design of machine and hi-tech engineering.
- New tension control mechanism assures proper knife tension.
- Ball nozzle type airflow work table is standard equipment.
- Casters make machines easily movable.
- Inverter circuit has self-detector which shows display error message when overloaded.

- Variable speed with inverter motor
- Ball nozzle airflow work table
- Automatic Sharpening device
- Knife cooling silicon pad
- Knife speed digital display

	EC-700N	EC-900N
CUTTING CAPACITY	180mm	180mm
TABLE SIZE	1500×1800mm	1500×2100mm
TABLE HEIGHT	720-790mm	720-790mm
ARM SIZE	700mm	900mm
SPEED CONTROL	VARIABLE 570m/min-1140m/min	VARIABLE 570m/min-1140m/min
MACHINE WEIGHT	280kgs	300kgs
KNIFE SIZE	0.45×10×3500mm	0.45×10×3960mm
MOTOR	220V750W	220V750W
BLOWER MOTOR	220V180W	220V180W
DIMENSIONS (mm)	1640(L)×940(W)×1980(H)	2210(L)×940(W)×1980(H)

## ROTARY SHEARS CHICKADEE D2-BLUE



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" (5.72cm) 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.



### SPECIFICATION

MODEL	WEIGHT (KG)	HORSE POWER	KNIFE SIZE	CUTTING MATERIAL	SUITABLE MATERIAL
D2	1.59	0.1	5.72	1.27	Plastic, rubber, fabric, paper



## 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 (2.54cm) 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" (15.2cm) with simple looper mechanism for ease of operation.

### MARKING MACHINES:

	HOT NOTCHER MODEL HVN	MAGNUM™ PUNCH MODEL MP2	THREADMARKER MODEL LTM
<b>MOTORS:</b>			
110v, 1 ph	Available	Available	N / Available
220v, 1 ph	Available	Available	N / Available
220v, 3 ph	Available	Available	N / Available
TEMPERATURE CONTROL	Standard	Standard	N / Available
SINGLE PUNCH TRIGGER	N / Available	N / Available	N / Available
WEIGHT	14 lbs., 4 oz. 6.75kg	8 lbs. 3.63 kg.	13 lbs., 3 oz. 5.75 kg.
MARK DIAMETER	N / Available	1/16" 3/32" 1/8"	3/64" 1/16" 5/64"
	N / Available	1.59mm 2.38mm 3.18mm	1.19mm 1.59mm 1.98mm
MARK DEPTH	10"		2" 4" 6"
CAPACITY	25.4 cm	N / Available	5.08mm 10.2mm 15.2mm

# ROUND KNIFE CUTTING MACHINE

## EC-35 & EC-45



EC-35

EC-45

### ROUND KNIVES:

	MODEL EC-35	MODEL EC-45
MOTORS:	220V / 50C / 1P	220V / 50C / 1P
HORSEPOWER	0.2HP	0.24HP
MOTOR SPEED	700 R.P.M.	560 R.P.M.
BLADE SIZE	3 1/2" 8.89CM	4 1/2" 11.4CM
LOWER BLAND	STANDARD	STANDARD
SHARPENER (STONE)	STANDARD	STANDARD
CUTTING CAPACITY	22MM	32MM
MACHINE WEIGHT	2.6KG	3.7KG
GROSS WEIGHT	3KG	4.4KG
BOX DIMENSION	0.35M x 0.26M x 0.5M	0.39M x 31M x 0.9M



### 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.



### 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.

### ROUND KNIVES:

	MODEL 534	MODEL 548	MODEL 567
MOTORS:			
110v, 1 ph	Available	Available	Available
220v, 1 ph	Available	Available	Available
220v, 3 ph	Available	Available	Available
SHARPENER STONE GRITS:			
120 HEAVY	Available	Available	Available
150 MEDIUM	Available	Available	Available
220 FINE	Available	Available	Available
BLADES:			
DOUBLE BEVEL	Available	Available	Available
TELFON COATED	Available	Available	Available
CARBON STEEL	Standard	Standard	Standard
HIGH SPEED STEEL	Optional	Optional	Optional
SLOTTED	Optional	Optional	Optional
GROOVED	Optional	Optional	Optional
SINGLE SPEED	Standard	Standard	Standard
DUAL SPEED	N / Available	N / Available	Optional
WEIGHT	16 lbs. 7.26 kg.	21 lbs. 9.52 kg.	30 lbs. 13.6 kg.
HORSEPOWER	.20 hp, 1 ph / .34 hp, 3 ph	.34 hp, 1 ph / .48 hp, 3 ph	1.25 hp, 1 ph / 2.2 hp, 3 ph
BLADE SIZE	4" 10.2cm	4" 5 1/4" 6" 10.2cm 13.3cm 15.2cm	6" 7 1/2" 15.2cm 19.1cm
CUTTING CAPACITY	2 1/8" 5.40cm	2 1/8" 3 1/8" 3 1/4" 5.40cm 7.95cm 8.22cm	3 1/4" 5 3/4" 8.22cm 14.6cm

# STATIC CUTTING TABLE M9000

Eastman's M9000 Static Cutting Table provides superior cutting performance and increased throughput. It is capable of marking, cutting, drilling and punching virtually any flexible material at speeds of up to 152.4cm/s(60 inches) with accuracy of  $\pm 0.4\text{mm}$  ( $\pm 0.015$  inches), with higher accuracies available. Material is spread across the static table, and is vacuumed to the surface to ensure material hold-down for cutting accuracy.



## Specifications

- **Software:** Windows operating system
- **Drive power:** Dual-X, Y and Theta Axis™ Brushless™ Servo Motors (includes industrial amplifiers and closed loop encoders)
- **Drive system:** Rack and Pinion Drive
- **Cutting & Plotting speed:** 60 ips (152.4cm/s)
- **Acceleration:** 1.3G's
- **Accuracy:**  $\pm 0.4\text{mm}$
- **Electrical requirements:**  
Control PC and drive system: 120/240V, 50/60Hz, 3.6 KVA;  
Vacuum blower: 230V/460V standard (other voltages available);  
3 phase 50/60Hz, 7.5Hp
- **Compressed air requirements:** 75-100 psi. @15 scfm
- **Sound level:** <75 dbA

## Standard sizes:

### Active cutting widths:

60 in. (1.5m), 72 in. (1.8m), 78 in. (2.0m), 96 in. (2.4m), 108 in. (2.7 m) and 114 in. (2.9 m). Custom widths available in 6 in. (15.2cm) increments.

### Overall table lengths:

12ft. (3.7m), 24ft. (7.3m), 36ft. (11.0m), 48ft. (14.6m) and 60ft. (18.3 m). Custom lengths available in 4 ft. (1.2m) increments.

## Options

- AirBrush
- Digitizer
- Material Handling

# Eastman®

## Robust design and performance

- Single or low-ply layer cutting
- Open vacuum-system design for evenly dispersed airflow
- Standard three-tool cutting head
- Standard porous plastic table top
- Optional Lexan®, urethane, PVC and microfiber table tops
- High-speed consistent cutting, repeatable accuracy and flexibility
- True production system also ideal for prototyping and sample making
- Operating costs
- Standard and custom vacuum zoning available
- Four remote emergency stops: two on carriage, two on table
- Diode laser pointing alignment tool
- Onboard control panel with alphanumeric user interface terminal

## Hardware Options



EasiPull™

The EasiPull™ automated pull-off attachment features pneumatic controlled gripper bar and microprocessor-controlled length control. Digital controls allow easy programming of speed and spread length with accuracy to .25 in. (6.4mm)

## Marking Options



EasiMark™

EasiMark™ is Eastman's innovative air-brush marking system, especially useful for fabrics such as fiberglass and other materials where pen and traditional inkjet printing will not work

## Tool Head Options



All Eastman automated cutting systems feature individually aligned and calibrated tool spindles which may be fitted with any combination of different sized rotary blades, different angles of straight knife blades, variously shaped notches and various sized punches

## Material Handling



A wide variety of material handling options are available to meet customer requirements

## TAKING CONTINUOUS CUTTING TO NEW HEIGHTS

# Eagle™

### FEATURES

#### Marking/Labeling

All tool heads are equipped with a pen or Sharpie assembly for marking. Additional options available for ink spray or adhesive labels.

#### TOOL HEAD

Choice of standard, heavy-duty or fiber tool head, featuring individually aligned and calibrated tool spindles with your choice of over 60 blades, punches and notches. See page 12 for more information.



The Eagle™ conveyor system boasts supreme capabilities for single- to low-ply cutting requirements. It has the ability to continuously convey rolled material goods with consistent speed and control. Eastman's gantry and tool-head design are engineered to cut the most diverse technical and industrial fabrics available, while exceeding industry standards for accuracy. The robust conveyor design delivers unrivaled levels of material utilization and is often capable of cutting multiple layers without plastic overlay\*. This computer-controlled cutting system requires minimal operator guidance to automatically feed and spread material to the identified start position. Smooth and accurate cutting of long markers is accomplished with the support of a powerful, yet quiet and self-contained vacuum system. With basic training from skilled Eastman technicians, your operator will learn how to adjust tool settings, cutting pressures and blade exposures to maximize your investment. Frequently processed application settings can be conveniently stored within the operating control system library to minimize any operator downtime and eliminate the loss of important production information.



### SAFETY

- Four remote emergency stops: two on cutting gantry, two system-mounted
- Additional gantry-mounted stop disks pause system operation until returned to neutral and reset. Operation can then be resumed from any position
- Tool head is equipped with plexiglass safety window to keep hands free of knife during operation
- Single turn-off point with a universal power system for lockout/tagout safeguards employees from unexpected start-up

### OPTIONS

#### Additional Solution

- EasiHold® | for cutting lofted material
- EasiLabel | adhesive label system
- EasiMark | airbrush marking system
- Variety of material handling equipment
- Fiber tool head
- Heavy-Duty tool head

### DESIGN & EFFICIENCY

- Self-contained high-flow vacuum system offers optimum material hold-down for cutting, using less floor space than models with external blower systems
- Touch-screen display and joystick are conveniently located on the cutting gantry for simplified operator use
- Durable, high-durometer cast urethane conveyor belt has a fabric backing proven reliable for 2,000+ hours of normal operation, with some customers testifying to more than four years of continuous use
- Standard variable-frequency drive eliminates the motor starter; you can control the vacuum and minimize noise levels
- Reduces material handling by continuously feeding material as needed

### TECHNOLOGY

- Exclusive InMotion™ software enables the conveyor to continuously move while the gantry is cutting, offering tremendous efficiency for pattern pieces exceeding the table length (patent pending)
- Networked machines can be accessed by Eastman technicians off-site in real-time for immediate troubleshooting and support
- Real-time diagnostics monitor all wires and signals, as well as motors
- Software algorithms identify components in need of maintenance or replacement
- All motion control axes utilize precision rack and pinion drives

# MULTI-PLY CUTTING SYSTEM MPC-7000™

# Eastman®

The MPC-7000™ Multi-Ply Cutting System is an automated reciprocating straight knife cutter, with conveyor, capable of cutting up to 2.75 in. (7 cm) of compressed material. Material is automatically conveyed from a spreading table to the cutting area where a polyethylene film automatically covers the spread to create an airtight seal. Equipped with a network based distributed motion control system, this real-time digital network incorporates machine intelligence with additional diagnostic, performance and reliability benefits. The MPC-7000™ is capable of monitoring itself; reporting faults and can alert operators if maintenance is required.



## SPECIFICATION

Overall Table Width*	91 in. (2.3 m)	*Does not include gantry
Overall Table Length	220 in. (5.6 m)	
Addressable Width	78 in. (2.0 m)	
Addressable Length	6.5 ft (2.0 m)	
Useful Unloading Length	78 in. (2.0 m)	
Power: Electric	Controls/PC: 200/230/400/460/575V / 3 ph, 50/60Hz, 9.0 KVA Vacuum: 200/220/380/415/440/575V / 3 ph, 50/60Hz, 30 HP (22kW) / VFD control	
Power: Pneumatic	Nominal: 7 bars (101 psi) / Min. Pressure: 6 bars (87 psi) Max. Yield: 36 m3/hour (21 cfm)	
Weight	~8,500 lbs. (3.8ton)	
Operating System	Windows OS	
Drive System	Dual-X, and Y Axis Rack & Pinion drive. All drives use brushless servo motors	
Cutting Speed	thickness/material dependent	
Max. X/Y Speed	40 in./sec. (60m/min)	
Max. Acceleration	0.3g	
Max. Conveyor Speed	8 in./sec. (12m/min)	
Static Positioning Accuracy	±0.010 in. (±0.25mm)	
Sound Level	<76db(A)	
Max. Vacuum Pressure	65 in. H2O (162 mb)	
Max. Vacuum	2000 cfm (57 m3/min)	
Max. Thickness of Compressed & Cut Material	2.75 in. (7 cm)	
Max. Thickness of Non-Compressed Material	4.00 in. (10.0 cm)	
Reciprocating Knife Speed	Variable up to 5,000 RPM	

Specifications are subject to change without notice

## Benefits and Features

- The distributed motion control (DMC) communicates over a single ring network that allows the machine to run even with a network cable break
- Distributed motion control provides intelligent nodes for more precise diagnostics
- Self-monitoring; can report faults and alert operators when attention is needed or if maintenance is required
- Machines that are networked can be accessed by our service techs from off-site in real-time
- High efficiency vacuum permits cutting of most materials without need for resealer option
- Standard reciprocating knife with sharpener assembly and optional single/dual hollow punch pneumatic drill
- Intellicut™ knife control software improves the quality of the cut from top to bottom ply
- Cutting area made up of long-lasting bristle blocks allowing the knife to pierce without damage
- Touch screen display and joystick conveniently located on cutting gantry
- Take-off conveyor operates in independent or synchronized modes

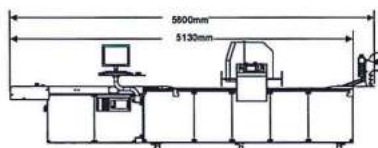
## Options

### Additional Options

- Lateral drive - motorized device for moving the cutter from one spreading table to another
- Automatic bristle cleaner
- Resealer - seals cut areas to provide maximum vacuum hold down

### Software - Eastman PRO Software Suite

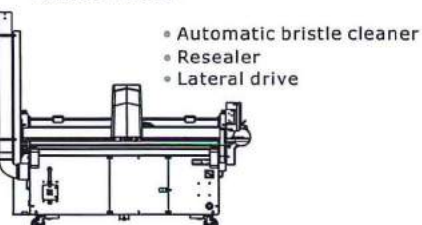
- designPRO - design, digitize, grade, verify and print
- nestPRO - automatic marker optimization
- cutPRO - operating control software
- spreadPRO - plan and optimize cut order



## Material Handling

- NA-600 Series Spreading System
- Saber Series Cradle Feed Spreading System
- Blue Jay Spread & End Cutting System
- Pacemaker or Turntable Manual Spreaders
- Expandable Roll Carrier
- Robust gantry and tool head design
- Powerful conveyor drive system
- Chain driven bristle cutting surface
- Dual-X, and Y Axis Rack & Pinion drive
- Brushless servomotors drive
- Modular 4-disc automatic knife sharpener
- High efficiency vacuum
- Vacuum silencer and dust/debris filter
- Touch screen display and joystick

### Options include:



# AUTO SPREADING MACHINE NA-600FN



### FEATURES:

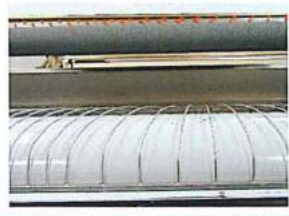
- SUITABLE FOR ALL TYPES OF FABRIC AND OFFERS MULTIPLE FUNCTIONS.
- ONE-MAN OPERATION WHICH SAVES MANPOWER AND ENHANCE WORK EFFICIENCY.
- DUAL MATERIAL FEEDING SYSTEM WHICH ELIMINATES STRETCHES.
- THEN ACCURATE LENGTH EISE SPERADING AND THE PHOTOELECTRIC AUTOMATIC EDGE ALIGNMENT FUNCTION PROVIDES EVEN EDGE WILL SAVE HUGE WASTAGE OF FABRIC THAN MANUAL SPREADING .
- AN ADJUSTABLE TENSION CONTROL SYSTEM.THAT PROVIDES SYNCHRONIZED MATERIAL-FEEDING AND CLOTH CATCH.



LCD TOUCH MONITOR



POWER BUCKET



THE TENSION FREE SYSTEM:  
(KNIT FABRIC USE ONLY)

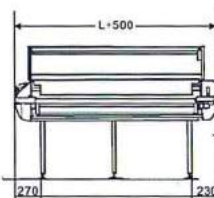
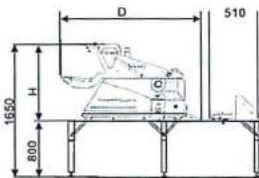


EXTENSION ROLLER:  
(KNIT FABRIC USE ONLY)

- Spreading Speed—Max.Approx.97m/min
- Spreading Height 20cm
- Passage Height 23cm
- Longitudinal Edge Accuracy ±3mm
- End Edge Accuracy ±2mm
- Diameter of Cloth Roll 50cm
- Weigth of Cloth Roll 60kg

### COMPONENT DESCRIPTION

- Layers Preset Control
- Type of Spreading Control
- Auto Edge Alignment
- Auto Up & Down Control
- Two Catchers For DUAL Way Spreading
- Auto Cutting Control
- Emergency Stop Control
- Dual Material Feeding
- Auto Material Feeding



	6'	7'	8'
L	1720	2020	2320
D	1560	1560	1560
H	850	850	850

### SPREADING METHODS

ONE-WAY SPREADING  
(FACE UP)



ZIGZAG SPREADING  
(FACE to FACE)



### WORKING WIDTH

MODEL	Max Spreading Width (mm)	Table Width (mm)	Weight	Dimension	Power
NA-600FN/6'	1655mm	1830mm	350kg	2318*1715*650mm	1KW/220V Single Phase
NA-600FN/7'	1955mm	2130mm	380kg	2865*1715*650mm	1KW/220V Single Phase
NA-600FN/8'	2255mm	2430mm	410kg	2985*1715*650mm	1KW/220V Single Phase

TECHNICAL DATA SPREADING MACHINE NA-600FN

# AUTO SPREADING MACHINE NA-950

# Eastman®



- Servo system, cloth feeding very precise.
- Color LCD touching screen, easy for recognizing and operating.
- Two sides (forward and backward) safety guard.
- Roll or fold type can be exchanged very easily.
- Various speed manual operated bar.
- Fully automatic tension detected and adjusted.
- Various speed manual operated bar.
- Combination roller and special device, make the cloth surface very smooth.
- Retractable catcher, easy for operating.
- Moveable catcher, easy for operating.
- Application for multiple length operation.
- Machine's construction is stronger enough to affording 120KG material.



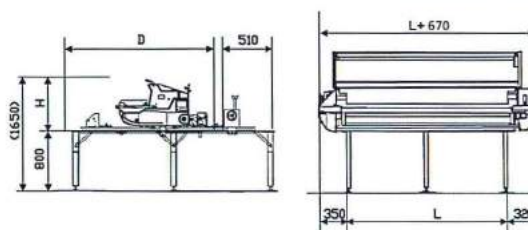
EXTENSION ROLLER:  
(KNIT FABRIC USE ONLY)

拉布方式 SPREADING METHODS	工作宽度(WORKING WIDTH)					
	MODEL	Max Spreading Width (mm)	Table Width (mm)	Weight	Dimension	Power
ONE-WAY SPREADING (FACE UP)	NA-950/6'	1635mm	1830mm	420kg	3327*1815*936mm	1KW/220V Single Phase
MULTIPLE LENGTH SPREADING (FACE UP)	NA-950/7'	1935mm	2130mm	450kg	3627*1815*936mm	1KW/220V Single Phase
ZIGZAG SPREADING (FACE TO FACE)	NA-950/8'	2235mm	2430mm	480kg	3927*1815*936mm	1KW/220V Single Phase

### TECHNICAL DATA SPREADING MACHINE NA-950

- Spreading Speed Max. Approx. 97m/min
- Spreading Height 20cm
- Passage Height 23cm
- Longitudinal Edge Accuracy ±3mm
- Longitudinal Edge Accuracy ±2mm
- Diameter of Cloth Roll 50cm
- Weight of Cloth Roll 120kg

	6'	7'	8'
L	1720	2020	2320
D	1800	1800	1800
H	850	850	850





# AUTOMATIC SPREADING MACHINE (SPECIALIZED FOR WOVEN FABRIC)

## NA-800



- LOWER MACHINE HEIGHT FOR EASY OPERATING.
- THE STRONGER STRUCTURE WEIGHT OF FABRIC.
- SPECIALIZED FOR ANY WOVEN FABRIC (ROLL FABRIC ONLY)
- ONE-MAN OPERATING WHICH SAVES MANPOWER AND ENHANCES WORKING EFFICIENCY.
- DUAL MATERIAL FEEDING SYSTEM WHICH ELIMINATES STRETCHES.
- THE AUTOMATIC EDGE ALIGNMENT WHICH EVENS EDGE OF FABRIC IN STRAIGHT SAVES HUGE WASTAGE OF FABRIC THAN MANUAL SPREADING.
- SYNCHRONIZED FOR FABRIC FEEDING AND SPREADING WITH AN ADJUSTABLE TENSION CONTROLLER.
- STATIC ELTMINATOR OB VIATES THE CHARGES OF NYLON.
- SPECIAL CLOTH BAR EXHAUSTS AIR FROM NYLON.

### OPTION



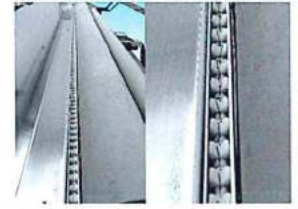
LCD TOUCH MONITOR



NEW DESIGN POWER BUCKET



SPECIAL CLOTH BAR AND WHEELS



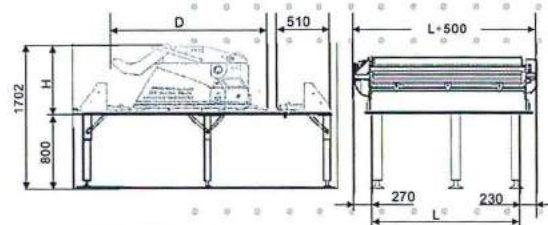
STATIC ELIMINATOR: FOR OBTAINING THE CHARGES FROM NYLON.

SPREADING METHODS	WORKING WIDTH					
	MODEL	Max Spreading Width (mm)	Table Width (mm)	Weight	Dimension	Power
ONE-WAY SPREADING (FACE UP)	NA-800/6'	1655mm	1830mm	350kg	2385*1715*550mm	220V/ 50HZ/ 1PH (1KW)
ZIGZAG SPREADING (FACE to FACE)	NA-800/7'	1955mm	2130mm	400kg	2685*1715*550mm	220V/ 50HZ/ 1PH (1KW)
	NA-800/8'	2255mm	2430mm	500kg	2985*1715*550mm	220V/ 50HZ/ 1PH (1KW)

TECHNICAL DATA SPREADING MACHINE NA-800

### COMPONENT DESCRIPTION

- Spreading Speed—Max.Approx.97m/min
- Spreading Height 20cm
- Passage Height 23cm
- Longitudinal Edge Accuracy ±3mm
- End Edge Accuracy ±2mm
- Diameter of Cloty Roll 50cm
- Weigh of Cloth Roll 120kg
- Layers Preset Control
- Type of Spreading Control
- Auto Edge Alignment
- Auto Up & Down Control
- Two Catchers For DUAL Way Spreading
- Auto Cutting Control
- Emergency Stop Control
- Dual Material Feeding
- Auto Material Feeding



	6'	7'	8'
L	1720	2020	2320
D	1560	1560	1560
H	902	902	902

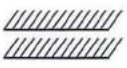
# AUTOMATIC SPREADING MACHINE (SPECIALIZED FOR WOVEN FABRIC) NA-850

# Eastman®

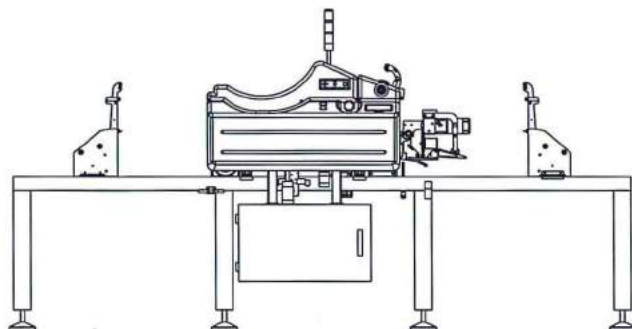


- SPECIALIZED FOR ANY WOVEN FABRIC( ROLL FABRIC ONLY ).
- ONE-MAN OPERATING WHICH SAVES MANPOWER AND ENHANCES WORKING EFFICIENCY.
- DUAL MATERIAL FEEDING SYSTEM WHICH ELIMINATES STRETCHES.
- SYNCHRONIZED FOR FABRIC FEEDING AND SPREADING WITH AN ADJUSTABLE TENSION CONTROLLER.
- STATIC ELTMINATOR OB VIATES THE CHARGES OF NYLON.
- FABRIC BUCKET IS LOCATED BETWEEN FRONT AND BACK WHEELS WHICH MAKES LOADING MORE STABLE.
- MAX DIAMETER OF FABRIC ROLL:70CM  
MAX WEIGHT OF FABRIC ROLL:150KG
- WTH ENCODER GEAR WHICH MAKES MOVINS POSITION MORE ACCURATE.

- Spreading Speed—Max.Approx.97m/min
- Spreading Height 20cm
- Passage Height 23cm
- Longitudinal Edge Accuracy ±3mm
- End Edge Accuracy ±2mm
- Diameter of Cloty Roll 70cm
- Weigth of Cloth Roll 150kg

SPREADING METHODS		WORKING WIDTH					
		MODEL	Max Spreading Width (mm)	Table Width (mm)	Weight	Dimension	Power
ONE-WAY SPREADING (FACE UP) 		NA-850/6'	1625mm	1830mm	470kg	2395*1480*730mm	220V/ 50HZ/ 1PH (1KW)
	ZIGZAG SPREADING (FACE to FACE) 		NA-850/7'	1930mm	2130mm	520kg	2695*1480*730mm
		NA-850/8'	2235mm	2430mm	570kg	2995*1480*730mm	220V/ 50HZ/ 1PH (1KW)

TECHNICAL DATA SPREADING MACHINE NA-850



	6'	7'	8'
L	1720	2020	2320
D	1560	1560	1560
H	902	902	902

#### COMPONENT DESCRIPTION

- Layers Preset Control
- Type of Spreading Control
- Auto Edge Alignment
- Auto Up & Down Control
- Two Catchers For DUAL Way Spreading
- Auto Cutting Control
- Emergency Stop Control
- Dual Material Feeding
- Auto Material Feeding

# AUTOMATIC TUBULAR SPREADING MACHINE NA-200



## COMPONENT DESCRIPTION

- Layers Preset Control
- Auto Up & Down Control
- Emergency Stop Control
- Auto Material Feeding
  
- STANDARD DEVICE
- LCD Touch Screen Panel
- Fabric Roll Stand
- Illumination Facility
- Fabric Frames(3 Frames)
- S for:13"-18"
- M for:16.5"-24"
- L for:24"-39"



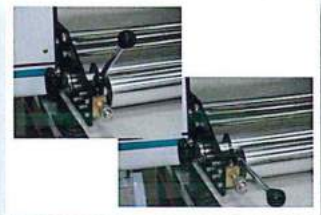
LCD TOUCH MONITOR



FABRIC INSPECTION ILLUMINATION



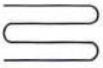
MATERIAL FEEDING DRIVE SYSTEM



MATERIAL FEEDING DEVICE

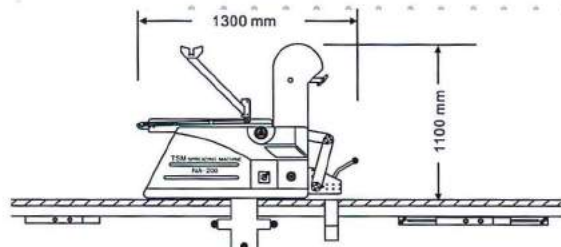
## FEATURE:

- ONE-MAN OPERATING WHICH SAVES MANPOWER AND ENHANCES WORKING EFFICIENCY.

SPREADING METHODS	WORKING WIDTH					
	MODEL	Max Spreading Width (mm)	Table Width (mm)	Weight	Dimension	Power
ZIGZAG SPREADING (FACE to FACE) 	NA-200/4'	888mm(33")	1220mm	180kg	1320*1930*1000mm	220V/ 50HZ/ 1PH
	NA-200/5'	1143mm(45")	1524mm	200kg	1320*2130*1000mm	220V/ 50HZ/ 1PH

TECHNICAL DATA SPREADING MACHINE NA-200

- Spreading Speed—Max.Approx.97m/min
- Spreading Height 19cm
- Passage Height 23cm
- Longitudinal Edge Accuracy ±3mm
- Weigh of Cloth Roll 60kg



# MATERIAL HANDLING OPTIONS FOR AUTOMATED CUTTING SYSTEMS BJ-500

# Eastman®

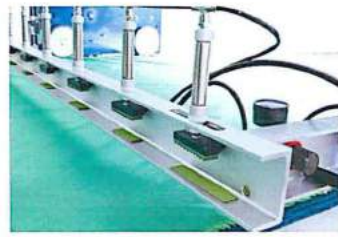


### BJ-500 FEATURES:

- SUITABLE FOR HARD FABRIC AND SPREAD MULTI-LAYER FABRIC WHICH ENHANCE WORK EFFICIENCY.
- ADJUSTABLE GRIP PRESSURE.
- ONE-MAN OPERATION.
- LCD CONTROL PANEL FOR SIMPLE OPERATION & SYSTEM STATUS MESSAGING.
- PROGRAMMABLE LIFT TIME.
- SHARPENER PRESET.
- ADJUSTABLE PLY COUNTER.
- FLAW CUT KEY.



LCD TOUCH MONITOR



AIR-FLOW FABRIC CATCHER DEVICE



POWERFUL CUTTER & PRECISION

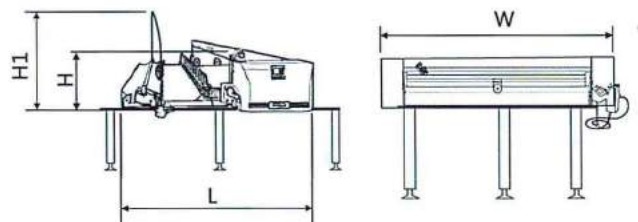
Model	Max spreading width (mm)	Table width	Weight	Machine Width (mm)	Power	Air Pressure(lb)
BJ-500/6' (72")	1676mm	1830 mm	56kg 145kg	2311 mm	220V 50Hz/60Hz /1 Ph(1 Kw)	50-70lb
BJ-500/7' (84")	1981mm	2130 mm	66kg 165kg	2616 mm		
BJ-500/8' (96")	2286mm	2430 mm	76kg 185kg	2921 mm		

### TECHNICAL DATA OF BJ-500

- SPREADING SPEED : 97 m/min
- PASSAGE HEIGHT : 23 m/min
- MAX SPREADING HEIGHT : 195mm
- MAX CUTTING HEIGHT : 195mm
- BLADE SIZE : 110mm
- CUTTING SPEED : VARIABLE
- END CUTTER PRECISION : ± 6mm
- KNIFE ROTATING SPEED : 560 RPM

\* AIR COMPRESSOR SUPPLIER IS NOT INCLUDED.

	6'	7'	8'
L	1650	1850	1850
W	2480	2780	3080
H	500	500	500
H1	1600	1600	1600



# HPL CUTTING TABLE MOVEMENT

## CT-3



### APPLICATION

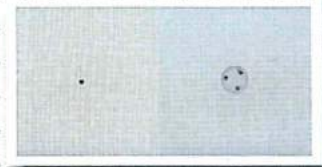
- This kind of cutting table imported HPL as the face board which smooth, hundred percent solid wood, strong wear-resisting and will never be deformation.
- This kind of cutting table is equipped with air pump with blowing and absorb two functions, which make fabric can move easily and reduce the tension, so that can cut fabric very easily, and improve the work efficiency.
- This kind of cutting table is equipped double-sided stainless steel as the edge which can match with all kinds of brands spreading machine and automatic cutting bed.



POWERFUL MOTOR



SEPARATE CONTROL SWITCH



TWO TYPES OF AIR HOLES

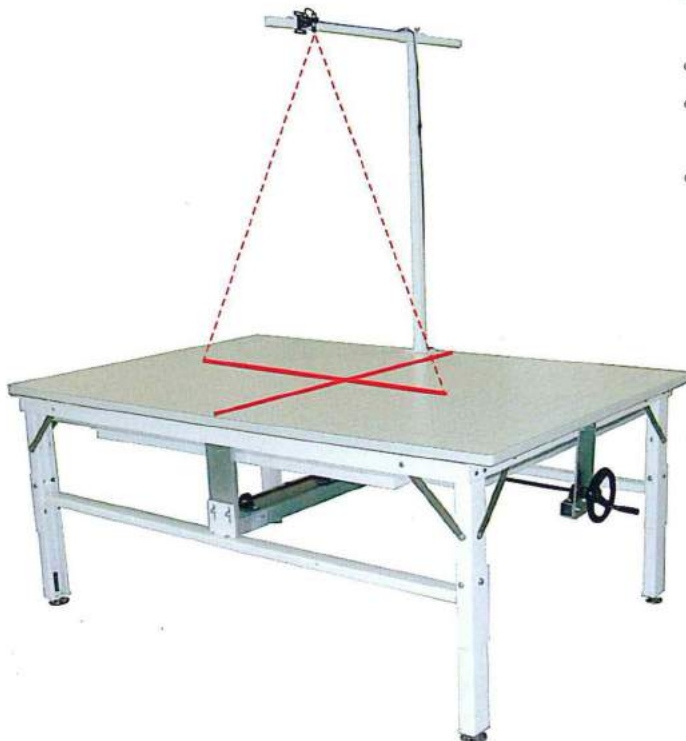
### SPECIFICATION

CLASS	W ( mm )	L ( mm )	H ( mm )	T ( mm )	
Standard type/ Air-Flotation type	1830/2130/2430	1200	800-900	27-30	Special specification can be customized

# FACILITATE THE STRIP AND CHECK

## FABRIC MODEL: PIN TABLE-8

### PT-8



- The pin table is constructed to facilitate the spreading of stripes checks or plaids fabric and other Relational fabric
- Tables can be joined convenient for laying fabric in roll and piece
- It is convenient for laying fabric cloth on the 75mmx75mm table size with 308 tinny holes
- Special coated pins provided preventing damage from the fabric
- The pins can be adjusted to different height by the compatible manual lifting handle
- Laser of "Line" or "Cross Line" can simply make the same pattern of all layers set to the same position

### OPTIONAL

- Lasers provide bright light and long life duration
- Adjustable laser stand for accurate line positioning.

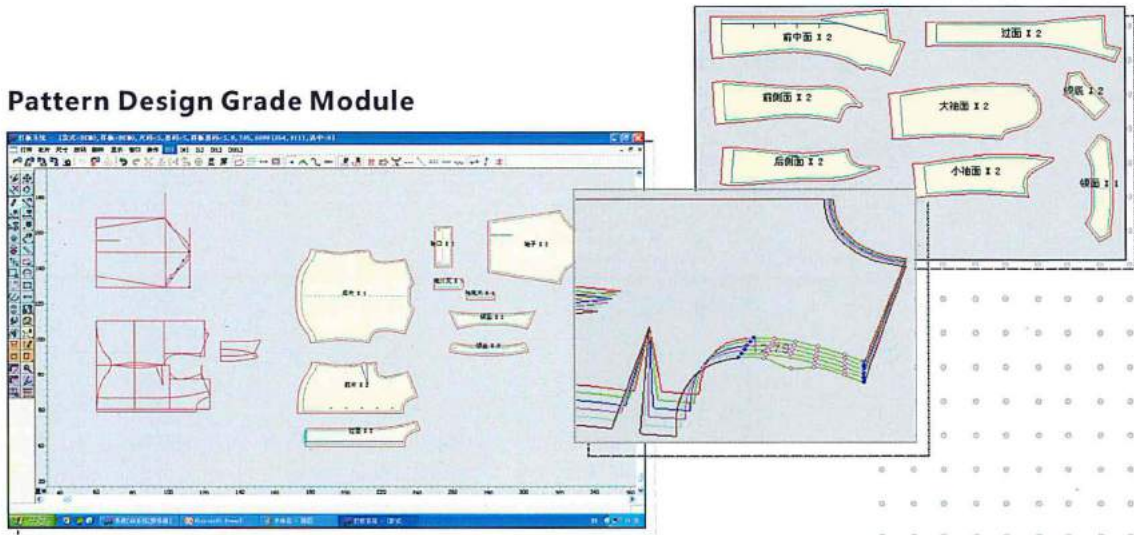
### SPECIFICATIONS

TABLE TOP SIZE	1830mmx1200mm
SQUARES	75mmx75mm
NEEDLE COVERAGE	1550mmx980mm
NEEDLE	φ1.2、φ1.6mm
SPREADING HEIGHT	70mmx100mm

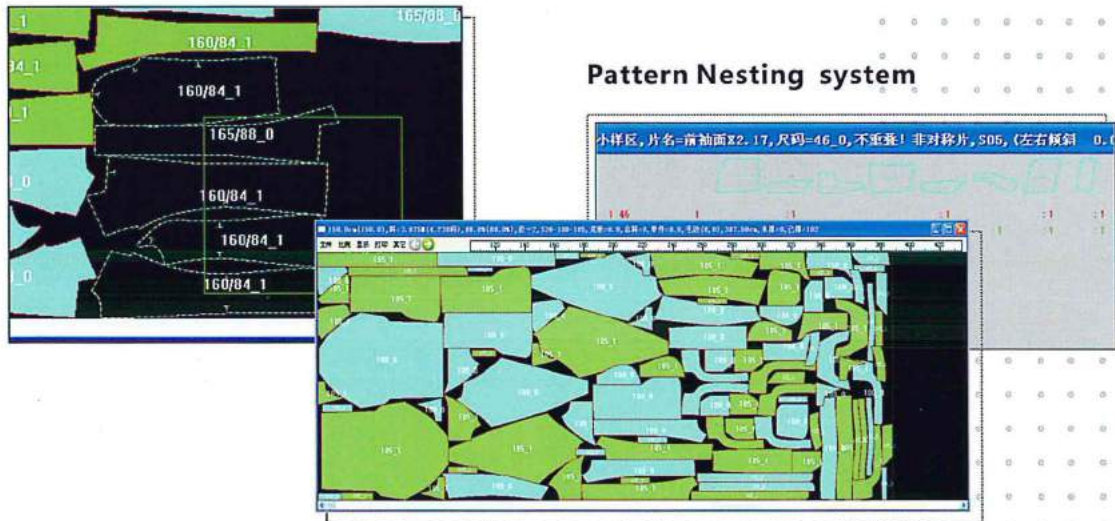
**SOFTWARE & HARDWARE OPTIONS  
FOR AUTOMATED SYSTEMS**

**Eastman Pattern Design Nesting System(EPDNS)**

**Pattern Design Grade Module**



**Pattern Nesting system**



Series	EP90	EP90 +
Paper Width	200cm	230cm
Effective Printing Width	190cm	220cm
Machine Color	Black, Black And Silver	
Processor	POWER PC	
Inkjet Count	Double Inkjet	
Interface Format	Hp-gl Drafting Form	
Interface Port	Serial Port/USB Connection Supporting U Drive Output, Network Printing	
Voltage	AC90-260V/50-60Hz	
Printing Speed	80 sq. meters per hour	
Paper Supply System	Front Loading style, with Infrared Control System	
Control And Display	Large Screen LCD can be operated offline	
Drives	High-Speed Digital Servo	
Resolution	Control arranged in loop (Ink Saving Setting Available)	
Cleaning System	Automatic Inkjet Self-Cleaning System	
Weight	160KG	170 KG

**High Speed Inkjet Plotter**



### Vertical Type Cardboard Plotter/Cutter

Model	ST-1200A-H	ST-1600A-H
CPU	32 Bit ARM Processor	
Material Width	>700mm-<1380mm	>900mm-<1680mm
Effective Cutting Width	1200mm	1600mm
Cutting Speed	800mm/s	
Cutting Power	50-500g	
Programmable Software Ratio	0.025	
Display	12 Character	
Buffer Memory	2MB	
Programmable	HP-GL	
Port Type	RS 232 Serial/U Drive	
Knife/Pen Type	One Knife, One	
Knife Type	Drafting Pen	
Pen Type	1.5mm radius 45 degree knife	
Material Types	Oil Ball-Point Pen, Single-Use Marker	



### Flat Type Cardboard Plotter/cutter



Model	EDO-1872	EDO-1762
Effective Working Area	1500x 1200mm	900x1200mm
Machine Design	Tablet Type	
Cutting Speed	Max Speed 1000mm/s	
Material Thickness	≤ 2mm	
Suitable Materials	Cardboard, PVC board, White Cardstock, Sulphite Paper, Fiberboard and Rubber	
Pen Type/Knife Type	Normal Ballpoint, Oil Pens/Specialized Steel Blade	
Material Fixation Method	Vacuum	
Interface Port	Serial Port	
Interface Format	HP-GL Compatible Format	
Display/Control	LCD, Touch Buttons	
Working Voltage/Amperage	220V±10%	

### Digitizer

Model	A0	A0+
Effective Area	1219×914mm	1520×1215mm
Resolution	1000LPI	
Accuracy	Plus/Minus 0.254mm	
Input Marker	16 Key	
Interface Port	Standard Serial Port	
	Accessory Command Menu Sticker	
Mounting Stand	Adjustable Height and Angle	

