



Fusing/Laminating Systems

Jesse J. Heap offers a full line of fabric fusing machines ranging from small production and special purpose fusing to high production roll to roll fusing. We also carry a full line of laminating machines which are typically used for **dry laminating of fabric to foam, fiberglass, film or other fabrics**. To complement our fusing and laminating machines, we offer unwinds and rewinds for high production requirements.

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**For Sales and Service Contact
Jay Heap**

info@jesseheap.com

973-372-1559

[**www.jesseheap.com**](http://www.jesseheap.com)

Astex Model 2000

Continuous Table Top Fusing Machines



Astex 2016SC with 16" belt width

The **Astex 2000 Series** is available in 16" and 24" belt widths. The open side design allows large parts with partial interlinings to pass easily through the machine. A large lay-up table, top and bottom heat and adjustable silicone pressure rollers make this model especially adaptable to [folders](#) and roll-to-roll applications such as waistbands, belt loops, etc.

The **2016SC and 2024SC** introduce additional features including a pneumatic pressure regulation, a rotary stripping blades, Vacuum Cooling Conveyor, steel stand, and locking casters for mobility.

Applications

Here are two examples of the Astex 2000 series with **unwinds/rewinds** for **waistband fusing** or **laminating** applications.



[\[Click for Larger Image\]](#)



Roll to Roll setup with
exit screen cooling
conveyor option

[\[Click for Larger Image\]](#)



Astex 2024SC pictured with steel stand and locking casters

FUSING MACHINE INFO

Features:

- Adjustable Pressure to 45 P.S.I
- Digital Temperature Control
- Temperature Range from 125 - 355 F
- Variable Belt Speed
- Automatic Cool Down Timer with Fan
- Low voltage/high current protection
- Loading Table - 36"
- Long Heat Chamber - 27"
- 3" x 36" Buck
- CE APPROVED

Options:

- Steel Stand with locking Casters
- Pneumatic Pressure Control
- Unwind/Rewind Devices
- Folders
- Cut & Stack Device for Plackets
 - [Stacker P200](#) 7-1/2" wide - 11" Long
 - [Stacker P210](#) 9-1/2" wide - 11" Long
 - [Stacker P206](#) 11-1/2" wide - 11" Long

SPECIFICATIONS

Model	Belt Width	Machine Width	Machine Length	Machine Height	Max. Temperature	Pressure	Max. Belt Speed	Electrical	Net Weight
20016SC	16" 40 cm	40" 101 cm	68.5" 174 cm	16" 41 cm	180 C 355 F	1.0 Kg/ cm ²	33 ft/ min 10 m/ min	220/3/50- 60 1600 Watt	231 lb. 105 Kg
2024SC	24" 61 cm	83" 210 cm	68.5" 174 cm	37" 94 cm	180 C 355 F	4.0 Kg/cm ²	26 ft/ min 8 m/ min	220/3/50- 60 4180 Watt	298 lb 135 kg

[\[View Spec Diagram\]](#)

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ASTEX MODEL 5363SC

Continuous Fusing Machine



Ideal for men's & ladies sportswear apparel.

The Astex 5363SC is ***lower cost alternative*** to the **Astex High Production Continuous Fusing Press 6800SC Series**

Astex 5363SC with process control system

With a 63" belt, the ***Astex 5363SC*** is an upgraded version of the Astex 5200SC Series. The system is capable of roll-to-roll fusing and has 4-zone heat control and 62" long heat chamber. The advanced heating system assures a soft flexible fused assembly, maintaining fabric structure and avoiding shrinkage or fading, while it provides absolute control of the adhesive resins on any type of interlining selected.

The combination of top, bottom, left and right conductive heat application with precise speed and pressure control, assures quality results on all fused assemblies.

The 5363SC fusing press exceeds worldwide standards in safety and efficiency. It was engineered with safety and operator comfort in mind.

FUSING MACHINE INFO

Features:

- Two Sets of Pneumatic Pressure Rollers
- 4-zone heat control
- Easy Change Belt System
- Front loading conveyor
- Automatic Cool Down Mode
- Alerting capability for low pressure or belt off track.
- Exit Cooling Conveyor
- Anti Pleating Rollers
- Variable Speed Control

- Pneumatic Pressure System Controlled
- Low Voltage/High Current Protection
- Endless Teflon Belt System
- Digital Heat Controls

Options:

- Parts Stacker
- Folding Lateral Loading Shelves
- Unwind & Rewind Systems
- 380 Volt Electrical System

SPECIFICATIONS

Model	Belt Width	Machine Width	Machine Length	Machine Height	Max. Temperature	Pressure	Belt Speed	Electrical	Weight
5363SC	63" (160 cm)	83" (210 cm)	167" (425 cm)	51" (130 cm)	390F (200 C)	114 PSI (8 kg/ cm ²)	14 m/ min.	220/3/60 91 Amps	3100 lbs

ASTEX MODEL 3024SC

Continuous Fusing System

As a less expensive alternative to the #3024 SC check out our [rebuilt model #3024SC](#).



The Astex 3024SC ideal for dress shirt collars and cuffs

The **flexible Astex 3024SC** fusing machine fills the void between low production, platen presses and the larger, more expensive conveyORIZED high pressure fusing machines. It is suited for small to medium production requirements.

With pressure up to 7.5 kg/cm² and a 24" belt width, the 3024SC fusing machine is **ideal for dress shirt collars and cuffs**.

Precise speed control, top and bottom heat with separate controls, and a fully adjustable pressure system assures high quality fusing at an economical price. The return to operator conveyor allows the use of one operator for loading and unloading.

The 3024SC fusing press exceeds worldwide standards in safety and efficiency. It was engineered with safety and operator comfort in mind.

Ideal for Dress Shirts Collars and Cuffs



The 3024SC Fusing machine is ideal for use in fusing collars. The process involves a lamination of a specially prepared interlining to the outer layer of the collar. This process eliminates shrinking and is widely used in today's high quality stock shirts.

FUSING MACHINE INFO

Features:

- Dual, digital heat control, top and bottom
- Front loading table
- Cool down timer
- Endless Teflon belting system
- Anti-pleating roller
- Pneumatic pressure control
- Solid state speed control
- Return-to-Operator cooling conveyor - reduces operator fatigue

SPECIFICATIONS

Model	Belt Width	Machine Width	Machine Length	Machine Height	Max. Temperature	Pressure	Max. Belt Speed	Electrical	Weight
3024 SC	24" 58.5 cm	37.8" 96 cm	117.3" 298 cm	40" 102 cm	200 C	7.5 Kg/cm	11 m/min	220/3/60 8 KW	930 Kg

[\[View Spec Diagram\]](#)

ASTEX MODEL 5200SC

Continuous Fusing Machines

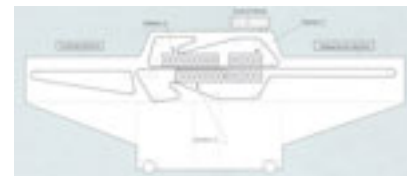


Astex 5240SC with process control system

The **Astex 5200SC Series** fusing machines are engineered specifically for high production speeds and low temperature fusing of **sportswear**. The combination of top and bottom conductive heat application with precise speed and pressure control, assures quality results on all fused assemblies.

The advanced Multi-Zone heating system assures a soft flexible fused assembly, maintaining fabric structure and avoiding shrinkage or fading, while providing absolute control of the adhesive resins on any type of interlining selected.

The Astex 5200SC machine is available in 40" and 52" belt widths. **Video Demonstration of [Astex 5254 fusing machine](#) is available.**



[\[View Spec Diagram\]](#)

The process control system (pictured above) has the ability to preset and hold in memory 5 different programs.

It can also be programmed to turn off and on at preset time and has a precautionary message screen to indicate low air pressure.

The 5200SC fusing press exceeds worldwide standards in safety and efficiency. It was engineered with safety and operator comfort in mind.



[Astex 5254 Video Demonstration](#)

FUSING MACHINE INFO

Features:

- Adjustable Pressure up to 114PSI
- 3-zone heat control top and bottom belt cleaning systems
- Front Loading Conveyor Low Voltage/ High Current Protection
- 3-1/2" dia. Pressure Rollers Variables Speed Control
- Exit Cooling Conveyor with air-blowing system.
- Endless belt system with reversing capability
- Actual value digital heat controls
- Anti Pleating Rollers

Options:

- Parts Stacker
- Folding Lateral Loading Shelves
- Unwind & Rewind Systems
- 380 Volt Electrical System

Video:

- [Video Astex 5254 fusing machine](#)

SPECIFICATIONS

Model	Belt Width	Machine Width	Machine Length	Machine Height	Max. Temperature	Pressure	Belt Speed	Electrical	Weight
5240SC	39" (98.5 cm)	56" (142 cm)	165" (420 cm)	47" (120 cm)	200 C	8.0 Kg/cm ²	14 m/min.	220/3/60 12 kW	660 kg
5254SC	54.5" (138.5 cm)	72" (182 cm)	165" (420 cm)	47" (120 cm)	200 C	8.0 Kg/cm ²	14 m/min.	220/3/600 18 kW	930 kg

[\[View Spec Diagram\]](#)

ASTEX 9000SC SERIES

Continuous Fusing Machine



The Astex 9000 is suited for fusing of wide width lamination of films and webs.

Click [here](#) to see setup for roll to roll fusing/laminating application.

The **Astex 9000 Fusing Machine** is used in a wide variety of apparel and industrial laminating applications. With the longest heat chamber available, seven zone temperature control, and tandem pressure rollers, this laminating and fusing system gives precise control of time, temperature and pressure.

It is available in 48", 60", & 72" widths.

Model 9072-S is offered with an enhanced heating system for the operational speed and higher temperature requirements of roll-to-roll industrial laminations with and without integral product cooling systems. Overall the 9000 Series is designed for efficient operation and simple maintenance.



[Video demonstrates Roll to Roll Fusing with 125 Unwind & 210 Rewind](#)

FUSING MACHINE INFO

Features:

- Seven Individually Controlled Heating Zones
- Seven Actual Value, Digital Temperature Controllers
- Triple Pressure System
- Cybernetic Belt Tracking
- Interlock Non-Marking Belt Seams
- Curvilinear, Heated Platen
- Rotary Top belt Strip-Off Device
- Belt Cleaning System
- Cool Down Timer
- Temperature Alarm
- 54" (137 cm) Feed Conveyor
- 54" (137 cm) Exit Cooling Conveyor

Options:

- Parts Stacker System - 14" (36cm) to 20" (51cm) wide
- 48" (130 cm) Input Conveyor System
- Folding Lateral Shelves
- Unwind & Rewind Systems
- Microprocessor Control
- Fusible Unroll Reels
- Super Cooler available with 9072S

Video:

- [Video Astex 9072 Video](#)

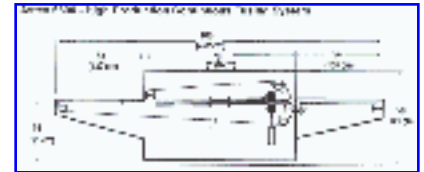
SPECIFICATIONS

Model	Belt Width	Machine Width	Machine Length	Machine Height	Belt Speed Ft./min.	Air Pressure PSI	Air Consumption	Electrical 220/3/60 AMPS Draw	Net Weight
9048	48" (122 cm)	66" (168 cm)	204" (518 cm)	52.5 (133 cm)	0-40	100	7.0	55	4200 lbs. 1905 kg.
9060	60" (152 cm)	78" (198 CM)	204" (518 CM)	52.5 (133 CM)	0-40	100	8.0	72	4500 lbs. 2040 kg.
9072	72" (193 cm)	90 (229 cm)	204" (518 cm)	52.5" (133 cm)	0-40	100	10.0	90	4700 lbs. 2145 kg.

ASTEX MODEL 6800SC

High Production Continuous Fusing System

[\[Low-priced remanufactured model also available\]](#)



[View Spec Diagram](#)

This Fusing Press is typically used in [roll to roll fusing/laminating applications](#).

The **Astex 6800SC high production fusing machine** is available in 48", 60" and 72" belt width.



[Astex 6872 with Unwind/
Rewind System Video
Demonstration](#)

This wide width, heavy duty fusing machine has 50% greater heat capacity and longer heater chamber than comparatively priced fusing presses.

The 6 zone heat control is divided into top and bottom, and further subdivided right, center and left.

Each of these zones is monitored by 1 of the six high precision solid state heat controllers.

Longer heated length and 6 zone heat control permits high production speeds with absolute fusing security.



FUSING MACHINE INFO

Features:

- Six Individually Controlled Heating Zones
- Six Actual Value Digital Temperature Controllers
- Tamper Proof Heat Controllers
- Loading Shelves
- Set Point Hi-Lo Temperature Alarms
- Rapid Response, High Reserve Heaters
- Top & Bottom Belt Cleaning Systems
- Low RPM Rotary Top Belt Strip-Off
- Automatic Present Cool Down Timer
- Solid State Variable Speed Drive
- Pneumatic Pressure Control
- Multiple Safety Systems
- 54" (137 cm) Input Conveyor
- 54" (137 cm) Exit Cooling Conveyor

Options:

- Parts Stacker System - 14" (36cm) to 20" (51cm) wide
- 48" (130 cm) Input Conveyor System
- Folding Lateral Shelves
- Unwind & Rewind Systems
- Microprocessor Control
- Fusible Unroll Reels

Video:

- [Video Astex 6848 Video](#)
- [Video Astex 6860 Video](#)
- [Video Astex 6872 Video](#)
- [Video Astex 6872 Video II](#)

SPECIFICATIONS

Model	Belt Width	Machine Width	Machine Length	Machine Height	Belt Speed Ft./min.	Air Pressure PSI	Air Consumption	Electrical 220/3/60 AMPS Draw	Net Weight
6848	48 (122 cm)	68.5" (174 cm)	186" (472 cm)	50" (127 cm)	40	100	1 CFM	75	3100
6860	60 (152 cm)	80" (203 cm)	186" (472 cm)	50" (127 cm)	40	100	1 CFM	95	3500
6872	72 (193 cm)	92" (230 cm)	186" (472 cm)	50" (127 cm)	40	100	1 CFM	110	4200

[\[View Spec Diagram\]](#)

ASTEX MODEL 4500

High Pressure Cuff/Collar Fusing Machine

[\[Low-priced remanufactured model also available\]](#)



The Astex 4500 conveyerized fusing machine is engineered to meet the high-pressure, dress shirt fusible specifications with high production capacities. Large reservoir heated channels for rapid glue line penetration without damaging delicate fabrics. The fusing press is available in 24" and 36" belt width.

Loading station design features easy access, built-in shelves for shell cloth and fusible storage. Return-to-operator option returns fused assemblies to the front of the machine, enabling the system to work with a single operator.

FUSING MACHINE INFO

Features:

- Actual value Digital Temperature Indicators
- Precision Solid State Heat Controllers
- Set Point Hi-Lo Temperature Alarms
- Rapid Response, High Reserve Heaters
- Top & Bottom Belt Cleaning System
- Automatic Preset Cool Down Timer
- Tamper Proof Thermostats
- Temperature Probe Monitors
- Pneumatic Pressure Control-Tandem Rollers
- Multiple Safety Systems

Options:

- Internal & External Cooling System
- Return to Operator System
- Folding Lateral Shelves
- Unwind & Rewind Systems
- Interlock Seamed Rolls

Astex Model 162-354

Table Top Platen Fusing Machine



Astex 162 24"x36" Fusing Machine

The Astex 162-354 is a general purpose platen press, standard with top heat. This fusing machine is ideal for fusing and film laminating.

A preset timer automatically releases platen when dwell time expires. Adjustable time, temperature and pressure controls.

[Video demonstration of 162-354](#) is available. [Specifications diagram](#) of 162-354 is also available.

Model	162	354
Fusing Area	24" x 36" (61 cm x 91 cm)	30" x 48" (76 cm x 120 cm)
Cylinders	One	Two
Volt/Phase	220/3	220/3
Amp	18	30
Weight	500 lbs. 227 kg	950 lbs. 432 kg.

Features:

- Electrically heated Platen
- Solid State Timer
- Floating Head for Even Pressure
- Meets OSHA Requirements
- Solid State Temperature Control
- Adjustable Pressure
- Side Load Tray System

Fusing Area: 24" X 36" and 30" X 48" (60 X 90 cm and 75 X 120 cm)

ASTEX MODEL 202T

High Pressure, Platen Fusing Machine For Collars Cuffs & Fronts

[Low-priced remanufactured model also available]



The Astex 202T is one of the largest and most versatile of our platen presses for full front pressing of shirts. The 26" X 36" platen accommodates full fronts pressing. Collars, cuffs and placket shirt fronts are fed to the machine on the twin-tray system.

Collar/cuff production is typically 180 doz/day top ply fusing. This can be greatly increased by spot welding assemblies.

High thermal reserve platen, rapid response heating elements, and up to 30PSI of platen pressure assures consistent fusible results. The reciprocating tray system allows parts to be loaded and unloaded during the fusing cycle.

Features:

- Solid State Temperature Control
- Temperature Variable to 400 F
- Shielded Reciprocating Tray System
- Aluminum Heated Platen
- Safety Release System
- Hi Temperature Safety System
- Dial Pressure Gauge

SPECIFICATIONS

Model	Machine Width	Machine Length	Machine Height	Volts	Phase	Amps	Platen Pressure	Platen Size	Net Weight
202T	56" 142 cm.	58" 147 cm.	93" 236 cm.	220	3	20	28 psi 2 kg/ cm ²	26" x 36" (66 x 91 cm)	2300 lbs 1045 kg

AIT/ASTEX MODEL 4103HP

High Pressure Fusing Machine For Dress Shirt Center Fronts



Exclusively for dress shirt placket fusing. Bundle clamp holds unfused fronts. One placket at a time is fused and then disposed on the other side of the clamp.

1,200 parts/day is typical at a 12-15 sec. dwell time. Tandem machines increase production approximately 50% with only one operator.

FUSING MACHINE INFO

Features:

- Adjustable Pressure to 45 P.S.I.
- Variable Temperature Control
- Solid State Timer
- Bottom Vacuum
- Automatic Air Ejection System
- Bundle Holding Bar
- 3" x 36" Buck
- Two Button Close - Meets OSHA Requirements

Options:

- Foot Pedal Control with Electronic Safety Device For Tandem Operation

SPECIFICATIONS

Model	Machine Width	Machine Length	Machine Height	Electrical Amps Draw	Air Pressure	Platen Size	Net Weight
4103HP	42" 107 cm.	35" 130 cm.	51" 130 cm	220/1/60 10 Amp	100 PSI 3 CFM	3" x 36" 7.5 cm x 90 cm	880 lbs. 400 Kg

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ASTEX MODEL 289

High Pressure Cuff/Collar Fusing Machine



[Low-priced remanufactured model also available]

The Astex 289 is a high pressure platen press with a platen size of 10" x 28" and a reciprocating twin tray system for loading/unloading during fusing cycle.

Safe and simple, this high pressure fusing machine is suited for smaller production (100 -200 doz./day).

Delivers up to 45 PSI with unique pneumatic mechanical lever pressure closing system. Rapid response heating elements.

Typical production with an average dwell time of 20 secs for collars and cuffs is 180 dozen per day.

SPECIFICATIONS

Model	289
Machine Width	58" 147 cm.
Machine Length	93" 26 cm.
Machine Height	56" 142 cm.
Volts	220



[Video Demonstration of 289 Fusing Machine](#)

Phase	3
Amps	20
Platen Size	12" x 26" 30cm x 66cm
Net Weight	1000 lbs 500 kg

FUSING MACHINE INFO

Features:

- Solid State Heat Control
- Solid State Timer
- Adjustable Pressure
- Reciprocating Tray System

Videos:

- [Astex 289 Collar/Cuff Video](#)

Rebuilt Astex 243

Pocket Flap Press Fusing Machine

Elements of the Astex Flap pressing include:

- Shaping - The die spreads to shape the flap perfectly before pressing.
- Breading - Producing a perfect edge on the flap with absolutely no lining showing.
- Pressing - Giving a permanent, clean, sharp crease which eliminates repressing.
- Fusing - A flap can be fused at the same time if needed.
- Dies- Can be changed quickly and easily.

Model	Width	Length	Volt	Amp	Net Weight
243	35"	58"	110	1	500 lbs.

All rebuilt machines go through an [extensive rebuilding process](#) including replacement belts, electrical packages and any worn or broken parts.

Video Available

- [Astex 243 Demonstration](#)



Astex 243 - standard for suit manufacturers

Pocket Flap Press/Fusing Machine

The Pocket Flap Press #243 remains a standard for suit manufacturers because of its ability to perfectly press and fuse flaps consistently.

Timed steam and vacuum press two flaps simultaneously after expanding dies have retracted, eliminating any possibility of shine. Production is enhanced as loading takes place during the pressing cycle and automatic off-loading returns finished flaps to the operator. Collapsing dies are custom made for coat flaps to ensure an even crease parallel to the seam.

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The AIT/Astex 295

Turbo-Goliath Film/Fabric Laminating Press



Handles up to 70" fabric. Ideal for Emblem Industry.

The Turbo-Goliath is designed to laminate thermoplastic film to embroidery without crushing it or heat damage. After lamination has completed, the vacuum system pulls the embroidery stitching to the face of the fabric which helps increase its 3-D effect.

The machine is well-suited for Schiffli and multi-head embroidery and the threads do not have to be trimmed prior to laminating. Alignment of the materials is made easy with two holding brackets.

Included are many standard features including an energy miser temperature control to conserve electricity, and an automatic take-up roller to rewind the cooled parts into a roll for easy unloading.

For over 20 years, the Turbo-Goliath has served the lamination needs of the emblem industry. Its large electrically heated platen allows for up to 70" wide fabric. Designed specifically for post lamination of multiple layers, the Turbo-Goliath Laminating machine will also pre-laminate at a production rate of approximately 9 FPM.

Laminating Machine Info

<p>Features:</p> <ul style="list-style-type: none"> • Indexing Conveyor • Unwinds with Automatic Rewind [Not Shown] • Pneumatic Pressure System • Long Life Teflon Coated Fiberglass Belt • Microprocessor 	<p>Optional Equipment:</p> <ul style="list-style-type: none"> • Steam Mist System with Boiler • Patented Vacuum System with Turbine <p>Spec Diagram:</p> <ul style="list-style-type: none"> • View Spec Diagram
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SPECIFICATIONS

Model	Platen Size	Length	Width	Height	Amps	AIR	Net Weight
295-B	36" x 60"	11'-3" (822 cm)	84" (213 cm)	63" (160 cm)	102 Amps @ 220/3/60	125 PSI	4,500 lbs.
295-D	36" x 72"	11'-3" (822 cm)	96" (244 cm)	63" 160 cm	102 Amps @ 220/3/60	125 PSI	5,000 lbs.

The Astex 2024SC

Table Top Laminating Machine



The **Astex 2024SC** Series is standard in 24" belt width. A large lay-up table top, bottom heat control and adjustable Silicone Pressure Rollers make this system especially adaptable for Roll-to-Roll applications such as Film to Fabric Lamination, etc...

Floating top heating modules assure firm contact heat transfer on all thickness of materials.

[[Top View](#)]



Laminating Machine Info

Features:

- Top and bottom heat
- Ez-Track Belt Guid System
- All electric design (No Compressed Air Required)
- Variable belt Speed
- Variable temperature Control
- Loading Table

Optional Equipment:

- [Unwind and Rewind Systems](#)
- [Folders](#)
- Steel Table

Spec Diagram:

- [View Spec Diagram](#)
- [Top View](#)

SPECIFICATIONS

Model	Machine Length (With Table Only)	Machine Width (2024SC)	Machine Height (2024SC with stand)	Belt Speed ft./min	Belt Width	Power Requirements	Net Weight
2024SC	77.3 in. (196 cm)	45.8 in. (116 cm)	52.8 in. (134 cm)	30 ft/m (9.1 m/m)	24 in. (61 cm)	220/1/60	600 lbs (272 kgs)

Astex 361 Powder Coater

Astex Powder Coater for Use in **Dry Coating & Laminating** applications



Applications

Available for the Astex Laminating [6800](#) series or stand-alone.

This modular unit is ideal for dispensing dry, heat activated powder used in coating and laminating applications.

The Astex Model 361 Powder Coater is ideal modular unit for dispensing dry, heat-activated powder used in coating and laminating applications. The powder coater, which is available in widths from 40 inches to 100 inches, has powder hopper with movable side walls which are used to set the width of the powder application to match that of the moving web. The side walls can be adjusted from the coater's full-width capacity down to zero width.

The Model 361 uses a special needle cylinder system to meter the flow of powder from the hopper to the moving web below. DC voltage permanent magnet motors and adjustable speed controls drive both the metering motor and the powder coater's sweeping blade agitator - which brushes the powder from the roller's needles - providing infinite adjustment by changing the amount of powder distributed to the moving web.

The Model 361 Laminating machine features a low-level indicator light and is available with an optional M-drive controller for the

metering roll, which allows the coater to be electronically connected to the coating line. When the coating line speed is adjusted, the coater speed changes proportionally, maintaining the same powder add-on rate regardless of line speed.

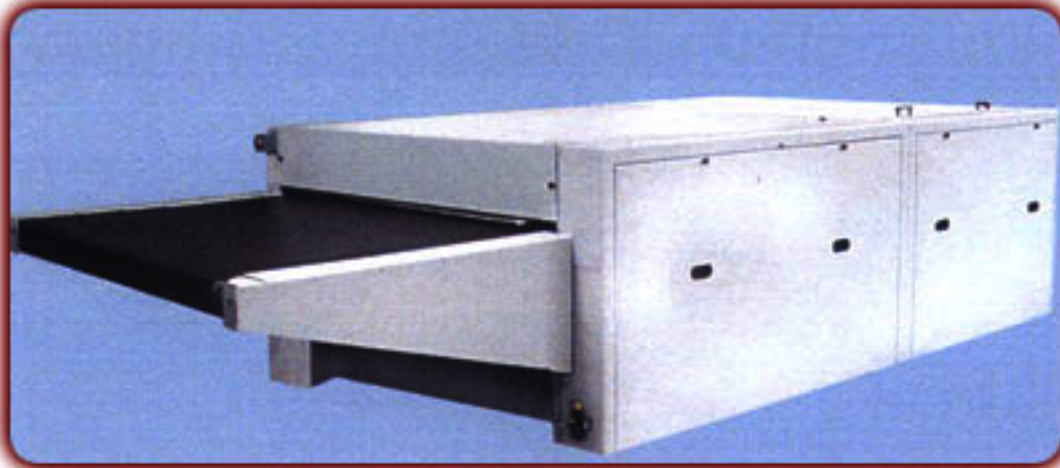
FEATURES

<p>Features:</p> <ul style="list-style-type: none"> • Needle Cylinder/Screen accommodates 200-500 micron particles • Variable Speed Control on Needle Cylinder • Variable Speed Control of Sweeping Blade Agitator • Volume of container 222 listers (7.85 cu. ft.) • Removable Sifter Screen • Deposit by weight is 10 to 200 gr/m² 	<ul style="list-style-type: none"> • Coating Tolerance in average weight +/- 2% • Bin Recovery System for over-coated powder • Adjustable coating width as specified • Low level indicator • Available in widths from 40 - 100 inches • Stand for Powder Coater <p>Spec Diagram</p> <ul style="list-style-type: none"> • View Spec Diagram
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SPECIFICATIONS

Model	Machine Width	Machine Length	Machine Height	Power Requirements	Net Weight
361	40-100 inches (101 - 254 cm)	56 in. (140 cm)	6.0 ft. (1.83 m)	220 or 380 /3ph	1600 lbs (726 kgs)

The Astex 6800 Series Laminating Systems



The **Astex 6800** Series of Fusing/Laminating machines is a wide width, heavy duty machine with 50% greater heat capacity and longer heated chamber than comparatively priced machines.

[[Check out available Powder Coater Unit](#)]

- Laminating Equipment applications include automotive trim, marine trim, carpeting, upholstery, residential and office interiors, medical, electronic, and telecommunications industries.

The unique 6 zone heat control system is divided first into Top and Bottom, and further subdivided right, center, and left. Every zone is individually monitored by solid state PID Loop controllers, The 6800 Series longer heating and cooling chamber permit higher production speeds with absolute laminating security.



- Handles adhesives & substrates up to 72" wide
- Multiple layers of materials can be laminated at one time
- Handles all types of dry adhesives - powder, film, web

- 6800 series can also handle sheet feed applications



**Two position Unwind Stand and Driven
Pull Roll to strip release paper from adhesive before entry
into Astex 6800 Laminator**

- Continuous roll-to-roll laminating at high production rates
- Dry Laminate applications include- film, fabric, foam, etc.

Astex Model 210 Unwind/Rewind System

Electrical Specifications: 10 AMPS @ 120 VAC

Air Consumption: 1 CMF, 80 PSI max.

Most versatile rewind system designed for contract fusing applications where edge guide is not imperative. Equipped with pneumatic tension control and variable speed control.



View [video of unloading and reloading of roll](#)
using 210 Rewind Device.

Astex Model TE210 Unwind/Rewind System

Electrical Specifications: 10 AMPS @ 120 VAC

Air Consumption: 1.5 CMF, 80 PSI max.



Most popular Astex unwind/rewind system. Controls tension and eliminates scoping of the rolls using a fiber optic edge guide control.

Available Widths: 48", 60" and 72"

Astex Model PR220 Rewind System

Electrical Specifications: 10 AMPS @ 120 VAC

Air Consumption: 1CMF, 80 PSI max.



Designed specifically for the Embroidery Industry to Automatically separate release paper from film laminates. Rewinding fabric/film and release paper onto separate cores, continuously.

Available Widths: 48", 60" and 72"

Astex Model 201 Rewind System

Electrical Specifications: 10 AMPS @ 120 VAC

Air Consumption: None

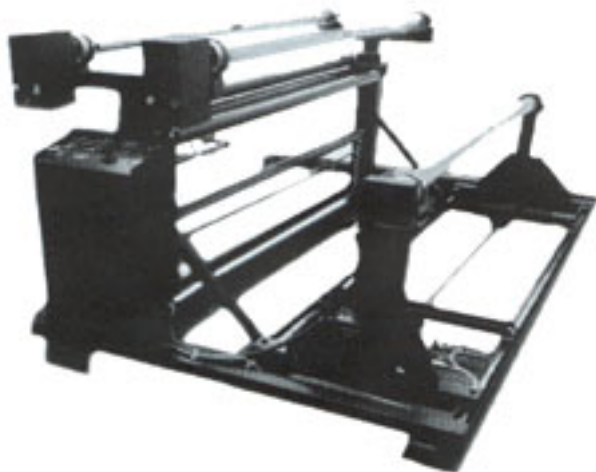


An independent, machine mounted, rewind with tensioning and speed control. Ideal for take-up of waistbands, hat bands, etc...

Available Widths: 2" - 20"

Astex Model TE230 Unwind System

Electrical Specifications: 10 AMPS @ 120 VAC
Air Consumption: 1.5 CMF, 80 PSI max.



Specifically designed to pay-off two adhesives and one fabric. Also incorporates dancer arm tensioning with fiber optic edge guide control to insure accurate material handling.

Available Widths: 48", 60" and 72"

Astex Model 230 Unwind System

Electrical Specifications: None
Air Consumption: 0.3 CMF, 80 PSI max.



Designed for the Embroidery Industry to pay-off fabric, film and buckrum in a continuous laminating application. Can be utilized for a wide variety of flexible substrates.

Available Widths: 48", 60" and 72"

Astex Model 200 Unwind System

Electrical Specifications: None

Air Consumption: None



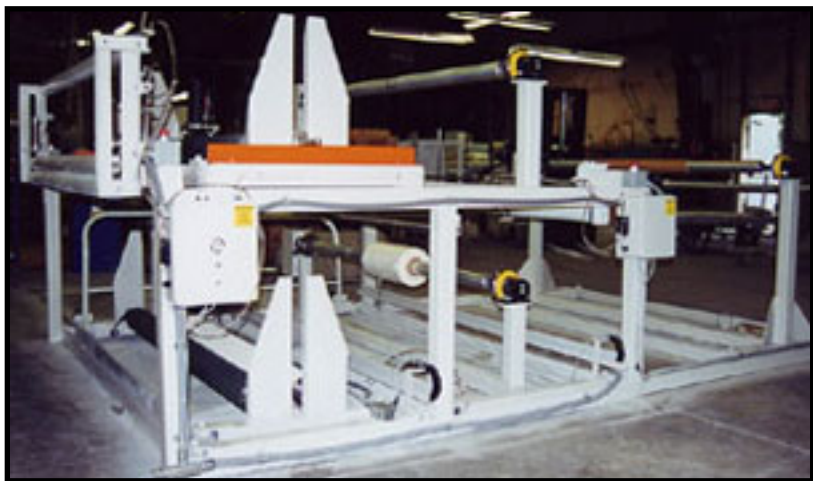
An independent, machine mounted, unwind ideal for the continuous fusing of waistbands, hat bands, etc. Can be configured with up to 4 spools.

Available Widths: 2" - 16"

Astex Model 250 Multi-Substrate Unwind System

Electrical Specifications: 11 AMPS @ 120 VAC

Air Consumption: 2 CMF, 80 PSI max.



Designed for the pay-off of 3 substrates and 2 adhesives used in the construction of industrial laminates. Both fabric unwinds are surface driven in conjunction with M-drives to insure tension-free handling prior to laminating.

Available Widths:48", 60" and 72"

- Weld New Belts Together
- Patch Old Torn Belts

Welding Guns

For Joining & Patching
Fusing Machines Belts

- **Ask** About our Welding Film and Welding Board
- Part # JH 031168



Digital Temperature Control

Frequently Asked Questions

- [What regular maintenance for my fusing system is recommended?](#)
- [What determines whether a fusing belt should be repaired or replaced?](#)



6" x 1" Welding Surface

Related Products

- [Ultrasonic Welder](#)
- [Heat Transfer Presses](#)
- [Fusing Machines](#)

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Accessories for Fusing & Heat Transfer Machines

Astex TBC-3 Belt Cleaner

Jesse J. Heap & Son recommends Flag Cleaning of Teflon Belts on conveyorized fusing machines with the Astex TBC-3 Cleaner for cleaning preventive maintenance.



Clean with TBC-3 two to three times a day (as required) during periods of non production. Place the flag on the input conveyor, lightly distribute TBC-3 powder on the middle portion of the flag and insert the flag into the heat chamber.

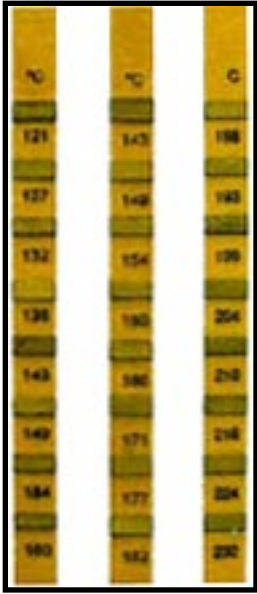
[Purchase belt cleaner online](#)

Frequently Asked Questions

- [What regular maintenance for my fusing system is recommended?](#)
- [What is a cleaning flag?](#)

The wooden dowel will engage sheet metal and cause the flag to drag against both top and bottom belts. After running for approximately 10 minutes, stop the machine, carefully withdraw the flag and restart the machine. Roll up and store flag until next usage.

Astex Temperature Strips



Jesse J. Heap & Son offers four types of Temperature Strips to be used for the belt temperature calibration and testing of fusing, laminating, and heat transfer machines. The strip is placed on the moving belt which enters the heat chamber. Pull the Temperature Strip off the belt as it exits the machine and lay down on a table.

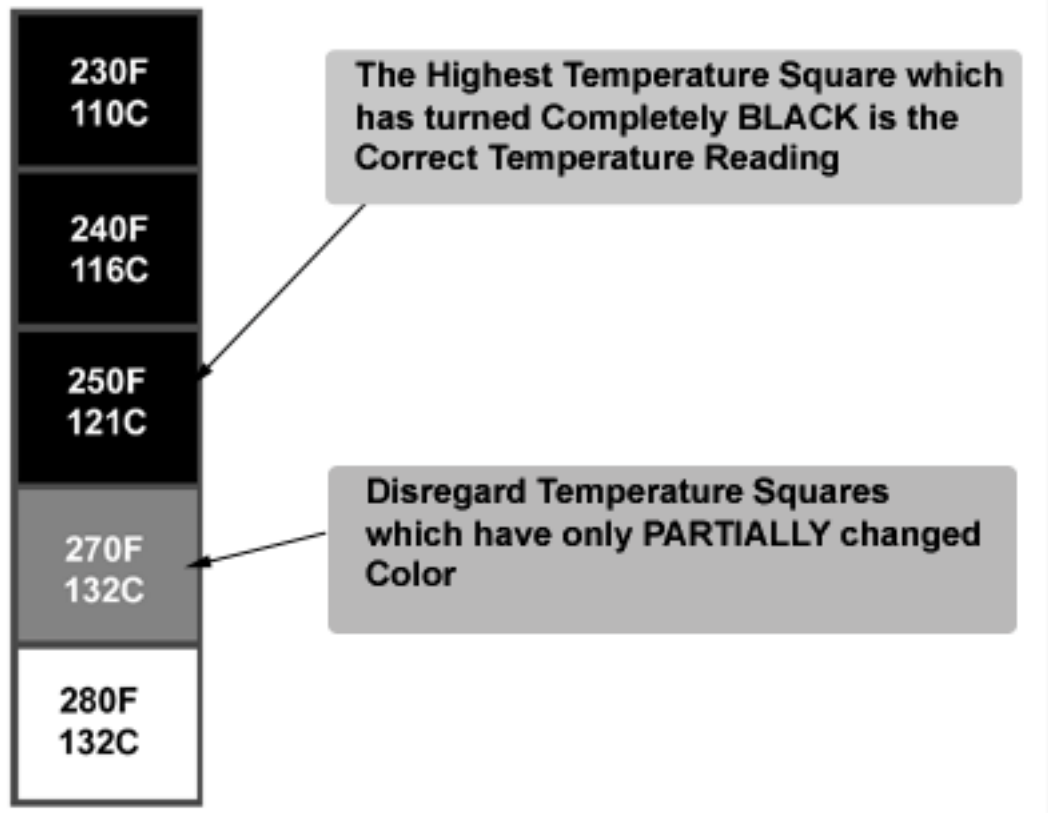
Range of Temperature Strips

Part #	Type	Temperature Range
001522	0	99-138C/210-280F
001523	I	121-160C/250-320F
001524	II	143-182C/290-360F
001525	II	188-232C/370-450F

How to Read Temperature Strips

To obtain an accurate reading of the printing temperature inside the heat press, place the temperature indicator strip face-down beneath a long swatch of fabric and feed into the printer.

Read the highest temperature recorded inside the machine. The temperature is indicated by the square which has turned completely black. Disregard any temperature squares which have only partially changed color.



The proper type of strip depends on the temperature range of the process you are performing.

- Fusing operations usually use Type I (250-320 degrees F)
- Heat Transfer printing usually calls for Type III (370 - 450 degrees F).

There are 8 temperature reading per strip.

Astex US2000 Ultrasonic Welder

For Welding bosses and imitation stones

The stylus can be easily positioned to set and weld imitation stones and bosses on all kinds of woven and knit fabrics.

Stones are selected and held in place by a vacuum in the stylus. Electronic control of time and frequency of the ultrasonic burst are adjustable.

The unit includes one stylus which will accommodate the three smallest stone sizes. Additional stylus sizes are available for larger stones.

Related Products

- [Heat Transfer Presses](#)
- [Fusing Machines](#)



UltraSonic Welder