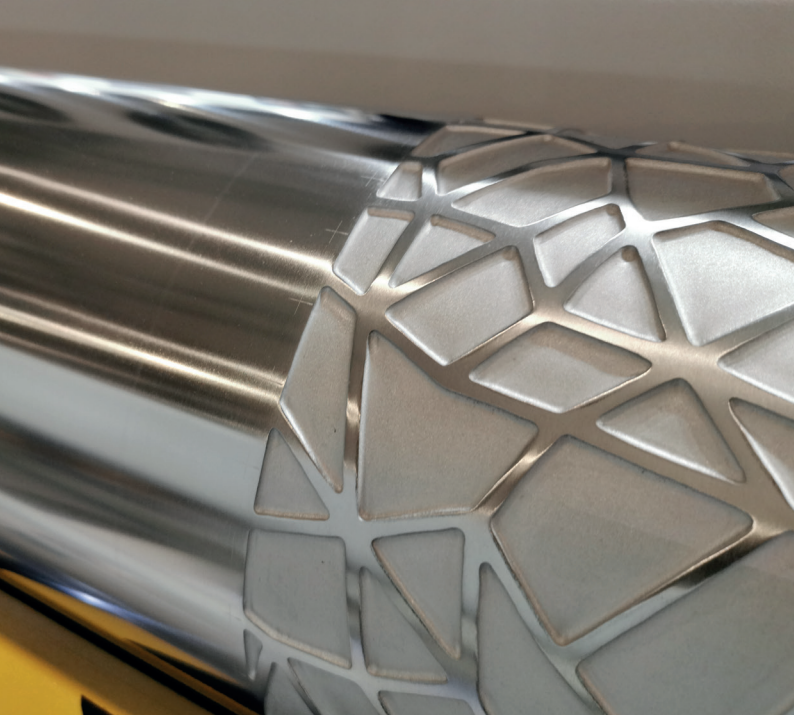


# Bespoke Textile Machinery

i2 TECHNICAL  
Europe TEXTILE  
MACHINERY





We design, manufacture, service and support a large range of machinery to our customer base within manufacturing sectors such as Automotive, Aerospace, Marine, Geo-Textiles, Construction plus other categories such as Filtration, Acoustics, Foam-Backings etc. all falling under the general heading of Technical Textiles.

With such a diverse and demanding range of industries, we have achieved a strong reputation of not only being a leading machinery supplier, but one of the best bespoke machinery builders working in partnership with our customers to achieve their exact needs for their specific projects.

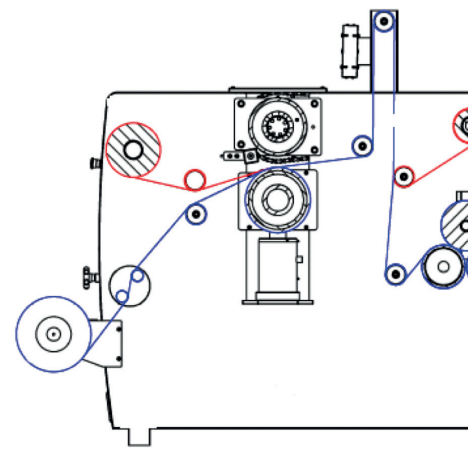
Within this catalogue, you can see many examples of machines we have supplied to our customers and we would welcome the opportunity of discussing how we can work together.

- Our bespoke machinery categories include:
- Bonding & Lamination
- Powder Scattering
- Bespoke Roll entry + tensioning
- Bespoke Roll exit + tensioning
- Roll/In-Line Slitting
- Sample/Sheet Cutting Tables
- Embossing
- Fabric Polishing
- Coating
- Dryer/Ovens
- Heat Fixation and Transfer
- Ultrasonic Cutters and Welders
- Batching
- Inspection
- Roll/Packaging



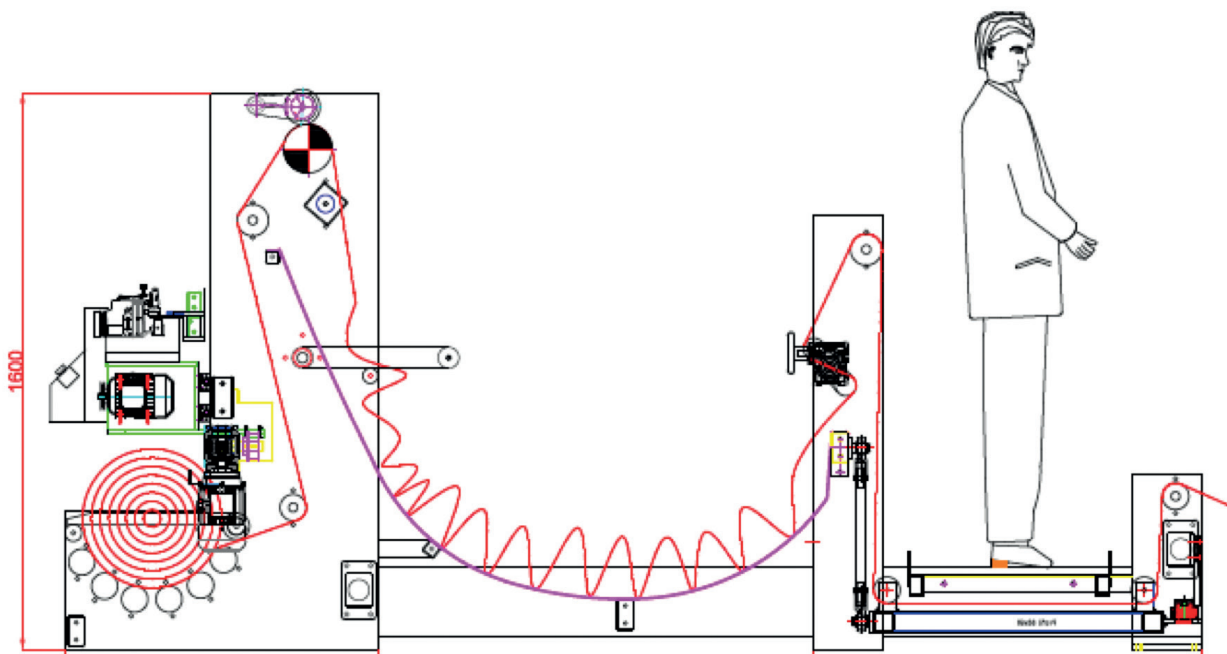


# Bespoke Projects as recently undertaken...



- Bonding Line with Multi-Layer entry system for filtration
- Big Roll Entry System with Anti-Static for In-Line Bonding for acoustics
- 30 Blade Slitting System – Big roll entry to multi roll rewind – Medical
- Bespoke Powder Scattering to existing wet coating lines – Home Furnishing
- Bespoke Bonding with in-line slitting for membranes – Medical
- Bespoke Embossing – Big roll entry to dual roll rewind – Ballistics
- Bespoke Bonding – In line chilling and cooler systems – Decorative
- Bespoke XY Cutting Table – Multi Layer with Pinking Edges – Home Furnishings
- Bespoke Entry Tracking System – Centre web tracking of Uneven edges – Foam
- Bespoke Bonding with special entry for improved Carbon composite stability – Automotive
- Special Bonding Line – Powder and Roll Adhesives with Powder Additives – Furniture
- Bespoke Batching with In-Line Packaging – Fabric Wholesaler

## What are **your** requirements?





# CONTENTS

---

**05** BONDING & LAMINATION – BELT  
TYPE WITH OIL FILLED HEATED DRUM

---

**13** BONDING & LAMINATION – FLATBED

---

**29** ADHESIVES

---

**31** BONDING & LAMINATION – HOTMELT

---

**37** COATING, DRYERS, OVENS &  
MINI STENTERS

---

**45** FABRIC PREPARATION AND  
FINISHING MACHINERY 1

---

**71** FABRIC PREPARATION AND  
FINISHING MACHINERY 2

---

**107** BESPOKE MACHINERY – FABRIC ENTRY (UN-WIND) –  
FABRIC EXIT (RE-WINDING) MACHINERY PARTS

---





# **BONDING & LAMINATION BELT TYPE WITH OIL FILLED HEATED DRUM**

**ENTRY LEVEL TO MASS PRODUCTION  
FEED BELTS – NOMEX / SILICONE IMPREGNATED / SILICONE COATED  
NARROW TO WIDE WEB WIDTHS  
ADJUSTABLE PRESSURE – INTERNAL AND EXTERNAL  
OIL FILLED HEATED DRUM  
PROGRAMMED HEATING AND COOLING  
ROLL ADHESIVES OR POWDER SCATTERING  
SINGLE OR MULTI-LAYER ROLL FEEDING  
PLC CONTROLLED  
MANY OPTIONS AVAILABLE**





## BONDING MACHINE – BIG ROLL ENTRY WITH ANTI-STATIC SYSTEM

### MULTI-FUNCTIONALITY

#### Standards

- Multi-Layer roll and/or pieces bonding.
- Roll and/or pieces lamination.
- Film, Foil, Papers, PVC, Membrane, Oil Cloth lamination.

#### Wide Range

This machine has been designed for continuous bonding of technical textile, fashion and furnishing fabrics, non-wovens and films.

#### Uniformity of End Result

An exclusive method of heating the Muratex specific made cylinders allow for highly accurate temperature control, thereby guaranteeing excellent bonding and lamination quality in terms of both uniformity and penetration of the material used.

#### Wide Range of Operating Temperatures

The wide range of temperatures achievable with our specialised cylinders (0-225°) enables a vast range of substrates with different properties and requirements to be easily processed.

Management of Substrates During Heat Bonding Process  
Muratex machines provide innovative solutions for the web feeding, tensioning and alignment. Such systems are so important to achieve the optimum quality of the finished product. Substrates from the heaviest to the lightest weights can all be processed using Muratex machinery.

#### Substrate ideas:

Carbon Fibres, Composites, Pre-Pregs, Membranes, Polyester, PU, TPU, Foams, Foils and much more.

#### Machine Configuration

- Different operating speeds obtainable with heated cylinders from 215 up to 1'000 mm in diameter.
- Cylinder widths from 1'600 up to 6'000 mm.
- Selection of machines ranging from notably compact versions to configurations for high volume production.
- Wide range of options, available according to the selected application and substrates.
- In line slitting, length cutting, chillers, bespoke feed and re-winds and much more.

#### Other Functionalities

- Eco-friendly process (no solvents whatever, and no use of water).
- Ease and versatility of use.

#### Broad Range Of Applications

Multifunctional machines also suitable for:

Sublimation calender, fixation, heat setting of disperse and pigment inks, heat setting of fabrics, bonding/lamination for black-out films etc., thermoplastic and pressure sensitive films/webs.

#### Optional Solutions

- Sublimation calender.
- Foil Effects.
- Heat Setting.





**BONDING MACHINE WITH SLITTING UNIT**

**Crush Cutters**

## TECHNICAL SPECIFICATIONS

### Standards

- %100 Nomex felt.
- Grinded main cylinder.
- Grinded free felt rolls.
- Pneumatic felt edge control with photo-sensor.
- Touch screen operator panel.
- Programmable heating and cooling.
- Quick change heavy duty air shaft.
- Manual fabric tension control.
- Adjustable felt air pressure.
- Air shaft to fix the bonding material (both for rewinding and un-winding).
- Disk air brake system for un-winding bonding material roll.
- Disk air brake system for un-winding protection paper roll.
- Manual air brake system for rewinding protection paper roll.

Drum Diameter (mm)	Working Width (mm)	Energy Consumption (KW)	Drum Diameter (mm)	Working Width (mm)	Energy Consumption (KW)
Ø 215	1600	15	Ø 600	1600	30
	1800	18		1800	32
	2000	21		2000	34
	2200	24		2200	36
	2600	27		2600	44
	3200	32		3200	50
Ø 350	1600	20	Ø 800	1600	40
	1800	24		1800	44
	2000	26		2000	48
	2200	28		2200	50
	2600	36		2600	55
	3200	40		3200	70
Ø 500	1600	30	Ø 1000	1600	50
	1800	30		1800	60
	2000	32		2000	62
	2200	34		2200	64
	2600	40		2600	68
	3200	50		3200	80

### OPTIONALS

- Silicon coated felt.
- Teflon coated drum.
- Internal pressure roll.
- External pressure roll.
- Motorised un-winding units.
- Air-frame to air-frame working system.
- Extraction hood.
- Cooling unit.



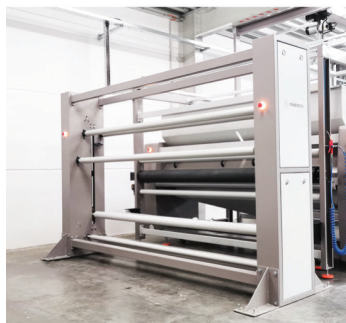
## POWDER SCATTERING SYSTEMS

A scattering roller coated with a special needle covering in connection with a precisely adjustable brush belt provides for high-precision and very even application of the material to be scattered. This scattering system allows an infinitely adjustable working width between 50 mm and 3,400 mm as well as the possibility to choose application weights between 3.0g/m<sup>2</sup> upwards depending on customer needs.

Our user-friendly scattering systems provide a short cleaning time for scattering roller or brush belt less than 5 minutes in case of maintenance or process changeover. The scattering is very accurate and can be controlled easily by the operator from the control panel. Our control panel makes it possible to store exact processing conditions for each job being processed. In this way, repeatability and consistency are guaranteed time and again.

### We offer scattering units for dry powder materials such as:

- Thermoplastic adhesives.
- Epoxy powders.
- Recyclers.
- Activated carbon.
- Filling material.
- Sand.
- Grains etc.



Tensioning system



Infrared pre-dryer system





## POWDER LAMINATION LINE

The touch of expert hands adds perfection. Attention to detail, state-of-the-art technology and meeting your exact needs... These are the qualities which underline our unique production.

Our powder Lamination Line is specific for your production. You can add optional units listed below.

- Tensioning system.
- Slitting.
- Motorized rewinding and un-winding.
- IR pre-dryer unit.
- Crane system for lifting the fabric.

## TECHNICAL SPECIFICATIONS

Drum Diameter (mm)	Working Width (mm)	Energy Consumption (KW)	Drum Diameter (mm)	Working Width (mm)	Energy Consumption (KW)
Ø 350	1600	20	Ø 800	1600	40
	1800	24		1800	44
	2000	26		2000	48
	2200	28		2200	50
	2600	36		2600	55
	3200	40		3200	70
Ø 500	1600	30	Ø 1000	1600	50
	1800	30		1800	60
	2000	32		2000	62
	2200	34		2200	64
	2600	40		2600	68
	3200	50		3200	80
Ø 600	1600	30			
	1800	32			
	2000	34			
	2200	36			
	2600	44			
	3200	50			



Motorized Rewinding & Un-winding



## EMBOSSING MACHINE

### MULTI-FUNCTIONALITY

#### Standards

Embossing of Substrates.

#### Wide Range

Our extensive range of embossing machines is designed for roll to roll applications such as fabric, membranes, films, foils, papers, synthetic leathers, etc.

#### Uniformity of End Result

An exclusive method of heating the Muratex's special made cylinders, allows close and constant temperature control, thereby guaranteeing excellent embossing quality from start to finish.

#### Wide Range of Operating Temperatures

The wide range of temperatures obtainable with our special made cylinders (ambient up to 235°C) means that substrates with different properties and requirements can be easily and accurately processed.

#### Management of Substrates During Heat Transfer

Printing Process Embossing and Cire (Polishing) and Foiling can all be handled on the same machine with the fitting of optional extras.

#### Machine Configuration

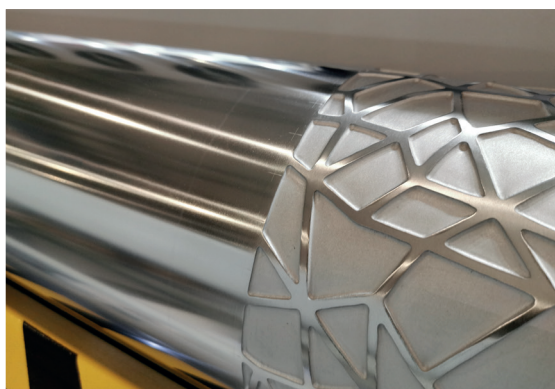
- Different operating speeds and pressure obtainable with heated cylinders from 215 up to 350 mm in diameter.
- Cylinder widths from 1600 up to 3200 mm.
- Selection of machines ranging from notably compact versions to configurations for high volume production.
- Wide range of optionals, available according to the selected application and substrates.

#### Other Functionalities

- Eco-friendly process (no solvents whatever, and no use of water).
- Ease and versatility of use.
- A quick and simple change of design cylinder.

#### Optional Solutions

- Foil Printing.



## Embossing Cylinders

Muratex also offers a design and manufacturing service for the embossing cylinders with a fast turnaround service and very competitive pricing.

### EMBOSSING CYLINDER SERVICE

#### Standards

- Easy to change hard chromium covered design cylinder.
- Hard rubber covered bottom cylinder.
- Hydraulic squeezing system.
- Electronic speed control.
- Electronic temperature control.
- Electronic meter counter.
- Manuel fabric tension control.
- Adjustable hydraulic pressure.

#### Optionals

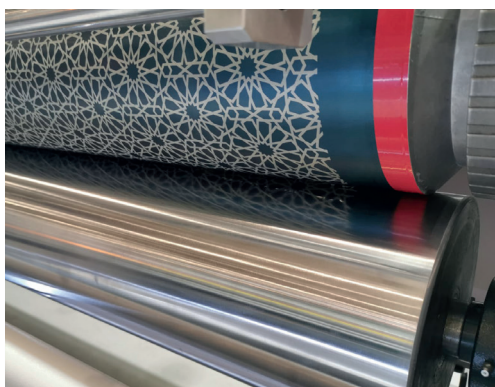
- Mirror cylinder for Cire.
- Hard chromium covered cylinder for foil printing.
- Rubber covered cylinder for foil printing.
- Fan cooling unit.
- Chilled cooling rollers.
- A-frame for continuous production.
- Air shaft to fix the foil (both for rewinding and un-winding).
- Disk air brake system for un-winding foil roll.

Drum Diameter (mm)	Working Width (mm)	Speed* (m/min)	Energy Consumption (KW)	Drum Diameter (mm)	Working Width (mm)	Speed* (m/min)	Energy Consumption (KW)
Ø 215	1600	2-5	15	Ø 270	1600		24
	1800	2-5	18		1800	4-7	28
	2000	2-5	21		2000	4-7	30
	2200	2-5	24		2200	4-7	34
Ø 240					2600	4-7	38
	1600	3-6	20		3200	4-7	40
	1800	3-6	22	Ø 350			
	2000	3-6	24		1600		26
	2200	3-6	28		1800	6-8	30
	2600	3-6	36		2000	6-8	32
	3200	3-6	40		2200	6-8	36
					2600	6-8	40
					3200	6-8	48
						6-8	

\* Speed as indicated is as a guide only



## ROTARY SCREEN COATING MACHINE





# **BONDING & LAMINATION FLAT-BED**

**ENTRY LEVEL TO LARGE SCALE PRODUCTION**

**NARROW TO WIDE WIDTHS**

**ROLL TO ROLL AND INDIVIDUAL PIECES**

**ZONED HEATING**

**UPPER AND LOWER HEATING AT DIFFERENT TEMPERATURES IF REQUIRED**

**COOLING ZONES**

**PRESSURE CONTROL SYSTEMS**

**PRE HEATING**

**SMALL AND COMPACT VERSIONS ARE ALSO AVAILABLE**

**SINGLE OR MULTI-LAYER ROLL FEEDING**

**POWDER SCATTERING**

**MANY OPTIONS AVAILABLE**



## FLAT-BED BONDING AND LAMINATION MACHINERY

The highest expression of our production. Highest flexibility together with high productivity.  
Designed with modular solutions to be equipped with stacker's feeding stations and return belt device.



### The Control Unit

#### Touch Screen Control (TCX)



Our TCX Touch screen control offers you the possibility to have all standard functions and programmable memories.

##### Touch Screen Control functions:

- Set/Actual temperature.
- On/Off button.
- Pressure indicator.
- Pressure regulator.
- Belt speed in mt/min and seconds.
- Running inversion button.
- Auto self Cooling button.
- Heating element diagnostic, compressed air supply, belt tracking and engine system.
- OUT button for total pressure exclusion.
- Error reports and suggested solutions.
- Fusing program storage with Easy Recall.

#### Touch Screen Control (TCX) 4.0



Our TCX 4.0 Touch screen control offers you the possibility to have all standard functions and programmable memories, all System can be connected to LAN.

##### Touch Screen Control functions:

- Set/Actual temperature.
- On/Off button.
- Pressure indicator.
- Pressure regulator.
- Belt speed in mt/min and seconds.
- Running inversion button.
- Auto self Cooling button.
- Heating element diagnostic, compressed air supply, belt tracking and engine system.
- OUT button for total pressure exclusion.
- Error reports and suggested solutions.
- Fusing program storage with Easy Recall.

### Heating System

Open Top series has 1500 mm length heating area, this ensure the best and accurate heating for fusing all the materials using a fusing average speed of 6 mt/min.

### The heating Element

Aluminium folded sheet welded

### The heating System

Aluminium heating insert in an aluminium plate 10 mm tick in ANTI-CORODAL ALUMINIUM with TEFLON protection.

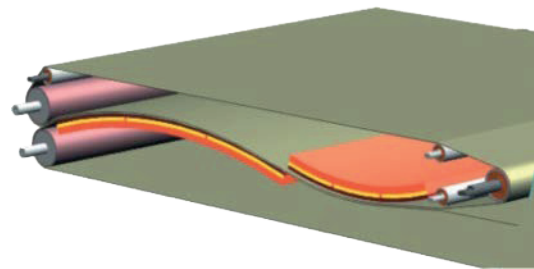
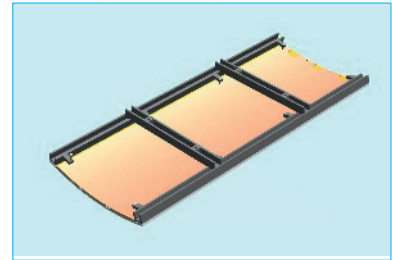
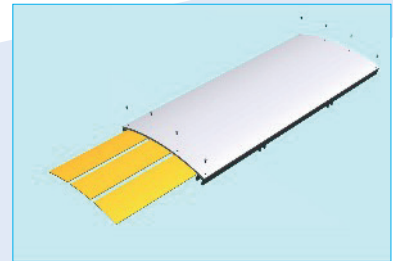
### The Heating Zone Configuration

Top/Bottom configuration.

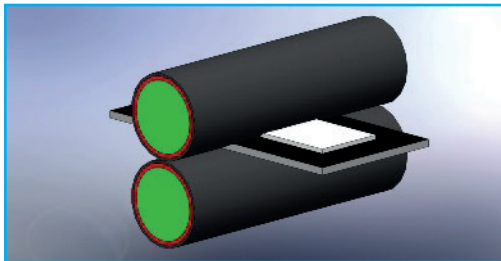
Pre-heating in the first section with top heating plate it allow to start the melting of interlining. Final heating with long heating plate to fix the interlining on fabric by gravity force before pressing section. Our curved plate system allow to fuse smooth also without pressure.

### The Pressure System

Martin Group in all fusing machine uses the same pressure system. Double roller pressure system with lever action to allow "ZERO" pressure fusing with "OUT" system.

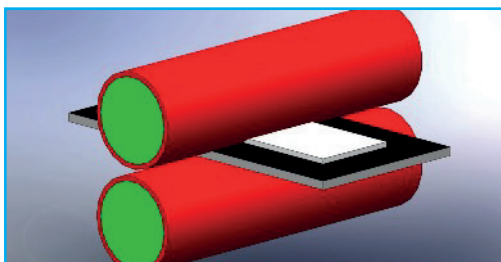


### The Various Configuration:



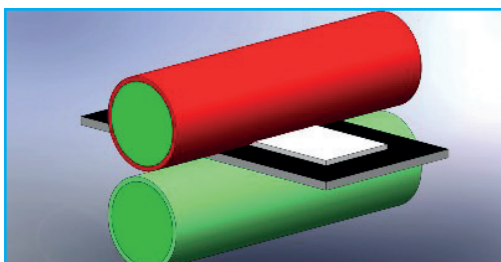
#### Adaptive (AD)

- C40 inner core body with 2 different vulcanized silicon hardness covers.
- 2 Vulcanized Silicon Pressure rollers.
- This system ensure a more accurate fusing also with fabric with different thickness in the same working line and also for pressure sensitive fabrics.



#### Standard (ST)

- C40 inner core body with vulcanized silicon covers.
- 2 Vulcanized Silicon Pressure rollers. Applicable for all jacket production and outwear.



#### Hard (HA)

- C40 inner core body with vulcanized Silicon covers.
- 1 Vulcanized Silicon Pressure roller.
- 1 Hard Stell body roller.
- Applicable on shirt industry and hard interlinings.



## FLAT-BED BONDING AND LAMINATION MACHINERY

Designed with modular solutions for bonding and lamination applications for the processing of fabrics, membranes, pre-pregs etc.

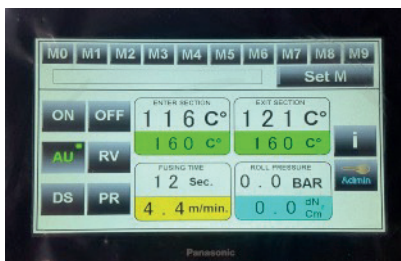
### Advantages:

Compact design, easy loading belt, long heating area with zoned and dual heating (over and under), fast warm-up, high reliability and accurate pressure/temperature settings.



### The Control Unit

#### Touch Screen Control (TCX)



Our TCX Touch screen control offers you the possibility to have all standard functions and programmable memories.

##### Touch Screen Control functions:

- Set/Actual temperature.
- On/Off button.
- Pressure indicator.
- Pressure regulator.
- Belt speed in mt/min and seconds.
- Running inversion button.
- Auto self Cooling button.
- Heating element diagnostic, compressed air supply, belt tracking and engine system.
- OUT button for total pressure exclusion.
- Error reports and suggested solutions.
- Fusing program storage with Easy Recall.

#### Touch Screen Control (TCX) 4.0



Our TCX 4.0 Touch screen control offers you the possibility to have all standard functions and programmable memories, all System can be connected to LAN.

##### Touch Screen Control functions:

- Set/Actual temperature.
- On/Off button.
- Pressure indicator.
- Pressure regulator.
- Belt speed in mt/min and seconds.
- Running inversion button.
- Auto self Cooling button.
- Heating element diagnostic, compressed air supply, belt tracking and engine system.
- OUT button for total pressure exclusion.
- Error reports and suggested solutions.
- Fusing program storage with Easy Recall.

## Heating System

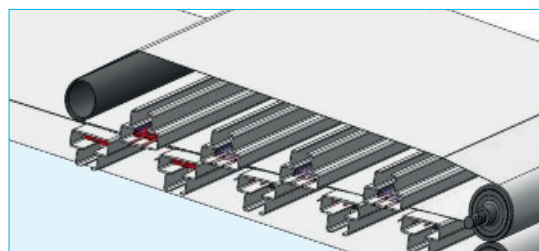
X-Series has 1100 mm length heating area, this ensure the best and accurate heating for fusing all the materials using a fusing average speed of 6 mt/min.

### The heating Element

Anodized Aluminium moulded extrusion.

### The heating System

Aluminium heating insert in an aluminium moulded extrusion 5 mm tick.



### The Heating Zone Configuration

#### **Pre-Heating + Final Heating.**

Pre-heating in the first section (first 3 elements).

Managed by 1 thermoregulator.

Final heating (Other 6 elements) managed by 1 thermoregulator.

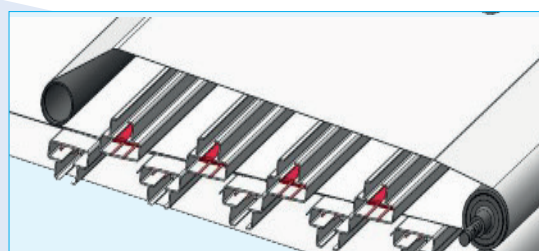
This is the optimal configuration for high sensitive fabrics.

#### **Continuous Top/Bottom configuration.**

The four upper heating element managed by a single Thermoregulator.

The five lower heating element managed by a single thermoregulator.

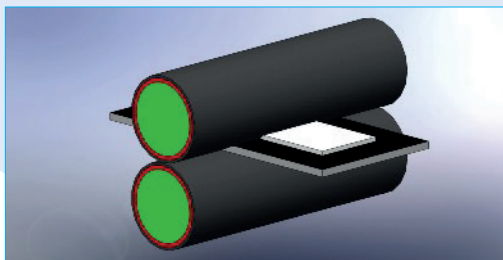
This is the optimal configuration for difficult melting interlinings.



### The Pressure System

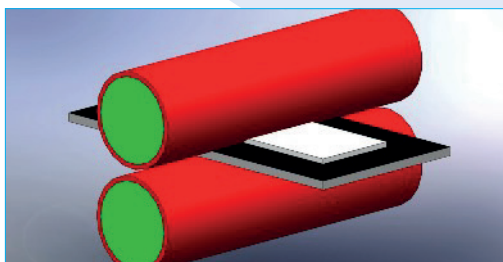
Martin Group in all fusing machine uses the same pressure system. Double roller pressure system with lever action to allow "ZERO" pressure fusing with "OUT" system.

### The Various Configuration:



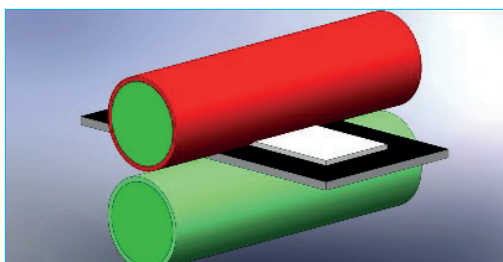
#### **Adaptive (AD)**

- C40 inner core body with 2 different vulcanized silicon hardness covers.
- 2 Vulcanized Silicon Pressure rollers.
- This system ensure a more accurate fusing also with fabric with different thickness in the same working line and also for pressure sensitive fabrics.



#### **Standard (ST)**

- C40 inner core body with vulcanized silicon covers.
- 2 Vulcanized Silicon Pressure rollers. Applicable for all jacket production and outdoor.



#### **Hard (HA)**

- C40 inner core body with vulcanized Silicon covers.
- 1 Vulcanized Silicon Pressure roller.
- 1 Hard Shell body roller.
- Applicable on shirt industry and hard interlinings.



## FLAT-BED BONDING AND LAMINATION MACHINERY



- High Performances.
- Specifically designed for smaller pieces of bonding.
- Available with Exit belt, Return belt or Stacker device.
- Also available with cooling system.



Illuminated Area help you during substrate positioning.

### The Options:

#### Run Belt Device



Space saving return belt and collection box on operator side.

#### Individual Piece Stacker's



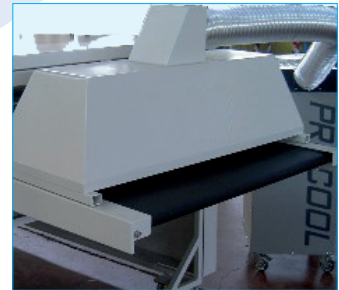
This simple stacker allow to collect pieces after bonding, this system will be perfect also without cooling system because the parts will have their time to cool on the stacker skid.

#### Fan Cooling System (FC)



Fan cooling system, energy saving and easy installation, to allow handle by manual handling after bonding.

#### Active Cooling System (AC)

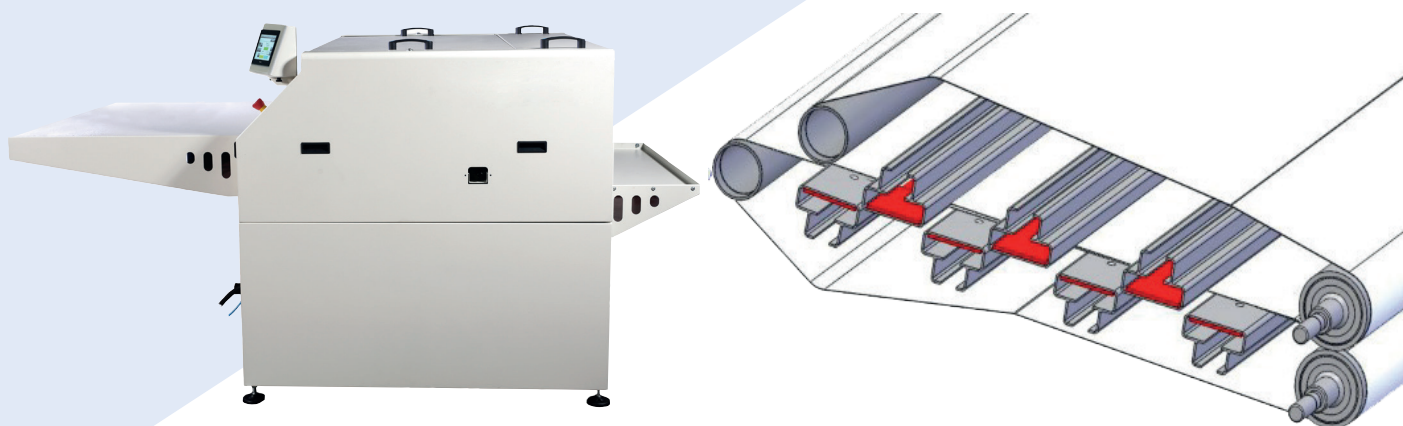


Active cooling system is a powerful active cooling fridge group separate from fusing machine, with this system you can also regulate the cooling temperature.

## FLAT-BED BONDING AND LAMINATION MACHINERY

### Technical characteristics

- Specifically designed for smaller pieces of bonding.
- Pneumatic pressure from 0 to 60 Newton/m2, self belt adjustment, seamless antistatic belts.
- Low electrical absorption from 4,4 to 5,5 Kw/h at 230-380V+N, upper and lower heating elements, heating surface length 800 mm, with 7 heating elements.
- Antistatic graphite scraper blades, 4 internal and external cleaning systems, high temperature bearings and Viton pneumatic material, 7" Touch Screen control panel.



**Optional:  
FB - Feeding Belt**



**Optional:  
R - Return Belt**



**Optional:  
E - Exit Belt**



### Technical Characteristics

Model	OLX600N	OLX1000N
Voltage	3X230V – 3X380V+N	3X230V – 3X380V+N
Speed	4-27 sec. / 1,6 a 11 mt.min	4-27 sec. / 1,6 a 11 mt.min
Pressure	0-60 Newton/cm <sup>2</sup>	0-60 Newton/cm <sup>2</sup>
Temperature	0-200 °C	0-200 °C
Useful belt	620 mm	1020 mm
Dimensions	2400X1100X1300 mm	2400X1500X1300 mm
Weight	Kg. 330	Kg. 470
Air consumption	2,5 Lt./min	2,5 Lt./min
Air Pressure	7 Bar	7 Bar
Electric consumption	Max 7Kw - Average 4,5 Kw/h	Max 9 Kw - Average 5,5 Kw/h

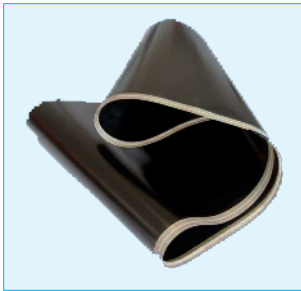


## MINI ROLL/PIECES BONDING AND LAMINATION

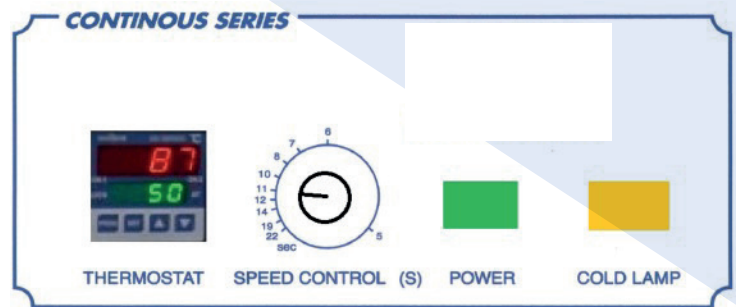


- Mini bonding machine, suitable for small scale lab/production.
- Easy maintenance and low electrical consumption.
- 220Volt single phase. 3 Kw/h max consumption.

Double detaching PTFE Antistatic Blades.



Special long lasting  
PTFE Antistatic  
SEAMLESS  
belts with Kevlar  
Tracking cord.



### Heating System

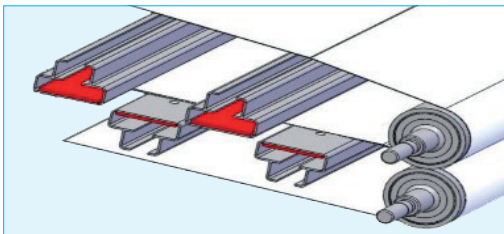
A 50 cm heating area length, continuous top and bottom heating ensure a perfect temperature uniformity in all the heating length.

### The heating Element

Anodized Aluminium moulded extrusion.

### The heating System

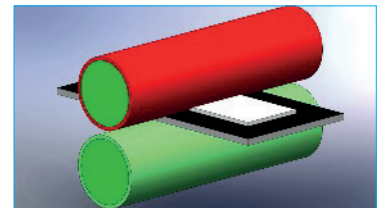
Aluminium heating insert in an aluminium moulded extrusion 5 mm tick.



### Standard control functions:

- Set/Actual temperature.
- On/Off button.
- Belt speed in mt/min and seconds.
- Auto self Cooling button.

### Pressure System - Hard



- C40 inner core body with vulcanized silicon covers.
- 1 Vulcanized Silicon Pressure roller.
- 1 Hard Shell body roller



### Bespoke Application

- This system allow you to fuse trousers. waistbands and also other roll to roll parts.
- This system include also collecting device.

## LAMINATING AND DECATISING ACCESSORIES

### Complete Roll Systems for Bonding and Laminating

Complete Laminating system can be applied to certain models.



- Our Laminating system can be equipped with systems such as:
- 3 Position Un-winding = FABRIC + FILM + FABRIC.
- 2 Position Un-winding = FABRIC + BACKING.
- This system is the ideal accessory for the customers that require to bond in single pass multiple layers.
- Machine has a meter/counter with automatic cross/length cutter.
- The laminating system is equipped with a rewinding device.

### Decatising and Bonding System

- The latest development of fabric producers require frequently a decatising procedure before additional processing.



Fully mechanical  
device SP1600



Version with simple  
mechanical bars and  
cones also available.

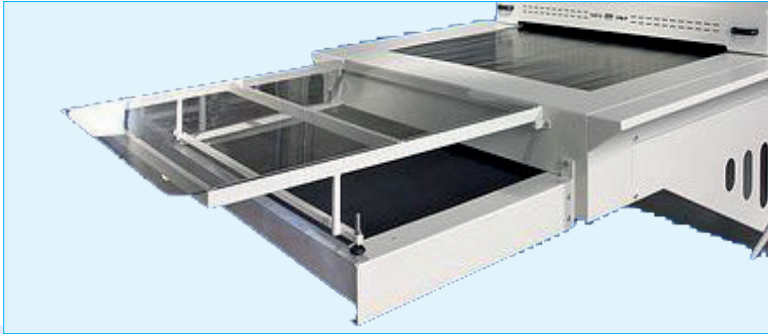




## OPTIONS AND ACCESSORIES FOR ALL MODELS

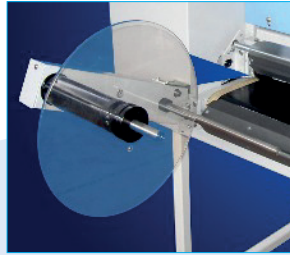
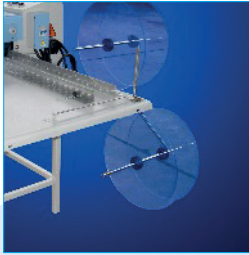
### Return belt system

Return belt allow to work with one single operator that will charge and collect parts.



### Feeding/Return belt system



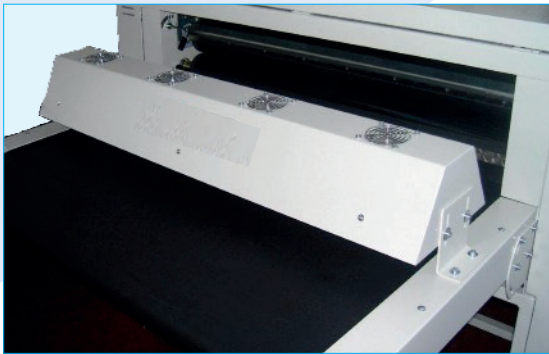


#### Bespoke Bonding Device

- This system allow you to fuse trousers waistbands and also other roll to roll parts.
- This system include also collecting device.

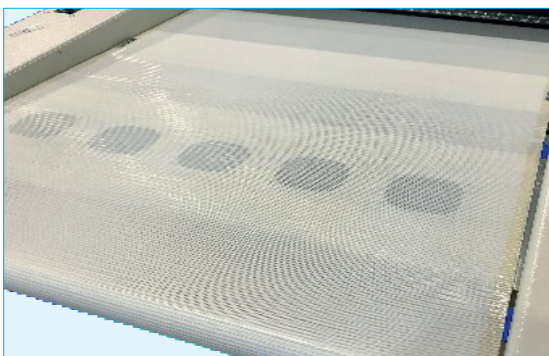
### Cooling Devices

- Various cooling systems are available



#### Fan Cooling System (FC)

Fan cooling system energy saving and easy installation, allows easy handling of the finished product.



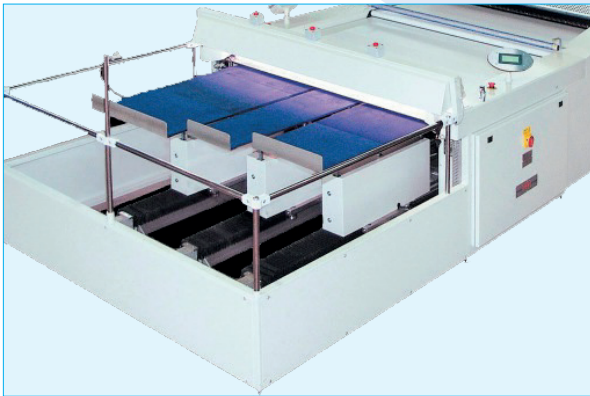
#### Active Fan Cooling System (AFC)

Active cooling system is a powerful active cooling exit belt made in open mesh material that allows air circulation, inside the belt are placed cooling fans.



## MACHINE STACKERS AND DRYERS

- Machines can be equipped with stacker with 1-2-3-4-5 unloading lines.
- From 450 mm wide to 1800 mm wide.
- All our stacker's can also fit all other brands of bonding machines.



## STACKER OPTIONS AND OTHERS

### TVCC



All our stacker's can be equipped with a TV monitoring system, including colour camera and colour LCD TV.

### Air Blowing Electrostatic Bar



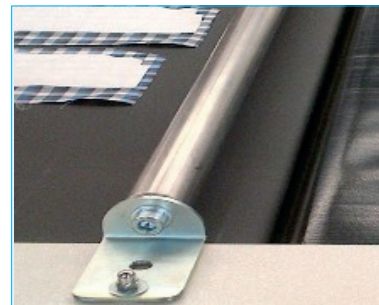
This special Bar follows an ionized air flow against the fused fabric, this option is useful in very thin substrates such as acrylic fabrics.

### Standard Electrostatic Bar



This electrostatic bar removes the electrostatic charge from the processed products.

### Foreign Object Bar



## LARGE FORMAT BONDING AND LAMINATION PRESSES

- Gives you the possibility to cover an huge range of various productions.



Double working panel available in various dimensions, POLMONE patented pressure system.

Suitable for bonding application on large sheet or multiple pieces in one pass.

### The Control Unit

- Temperature and pressure of product parameters is an important part of the process.
- Machines are equipped with a 7" TOUCH SCREEN control panel.

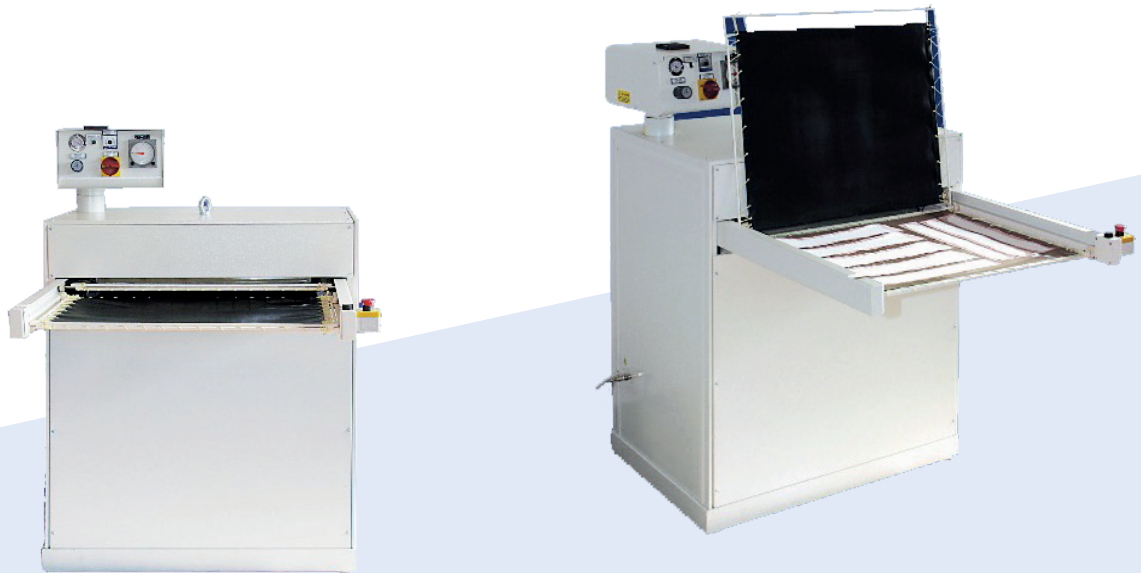


#### Touch Screen Control functions:

- Set/Actual temperature.
- On/Off button.
- Pressure indicator.
- Pressure regulator.
- Fusing time in seconds.
- Heating element diagnostic, compressed air supply.
- Error reports and suggested solution.



## LARGE FORMAT BONDING AND LAMINATION PRESSES



Double working panel and POLMONE patented pressure system.

### Heating System

Machine range has an aluminium heating plate 70 mm thick with 12 cylinder heating elements inside.

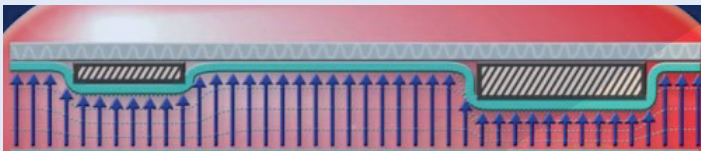
### The Heating Element

Nickel/Chrome filament insert in ceramic tubes.



### The Pressure System

- Patented pressure system.
- Made by a special membrane that inflate with air and can cover different thickness during pressing.
- This special membrane has 2 layers, one for mechanical force and one for temperature resistance.



Comprehensive range of sizes available

- Hydraulic high pressure system up to 6 Kg./Sq.cm.
- Gives you the possibility to cover a huge range of various productions where high pressure bonding is required.



- Electronic control of whole instruments.
- High Pressure (Up to 6 Kg/cmq.) Which guarantees a very high quality even for heavier productions.
- Two working plates to avoid dead times.



## POWDER SCATTERING SYSTEMS





# ADHESIVES

FILMS, POWDERS, WEBS, NETS, MESH  
SPECIALS – FILMS – POLYESTER, TPU, BLACKOUTS  
PAPERS – PROTECTION, RELEASE LINERS

## THERMO PLASTIC ADHESIVE - WEB/POWDER/FILM/NET/MESH



Our well known abifor®-product range contains the following thermoplastic hotmelt adhesives for most of the available applications: Automotive, Construction, Technique, Leather, Textile and Cosmetics.

### Co-Polyamide (CoPA)

Hotmelt powder for ladies and men's wear, uniforms and technical applications.

Thermoplastic webs and nets for textile, apparel and automotive.

Thermoplastic nets for apparel and automotive.

Hotmelt films for textile, apparel, automotive and construction.

### Co-Polyester (CoPES)

Hotmelt powders for ladies wear, blouses, technical applications.

Thermoplastic webs for textile, apparel, automotive and construction.

Hotmelt films for automotive and construction.

### High Density Polyethylene (HDPE)

Hotmelt powders for shirt interlining and technical applications, automotive (rear shelf, trunk liner, floor carpet group, interior parts).

### Low Density Polyethylene (LDPE)

Hotmelt powders for non-wovens, interlinings, small textile parts and fixation bands and technical applications, automotive (Head liners, interior parts).

Water soluble hotmelt powder for temporary bonding.

### Ethylene-Vinylacetate (EVA)

Hotmelt powders for technical laminates, roof trussed films and leather bonding.

### Polyvinyl alcohol (PVA)

Thermoplastic webs for leather and shoe, foams.

Hotmelt films for technical application.

### Thermoplastic Polyurethane (TPU)

Hotmelt powders for technical bonding, conveyor belts and leather applications.

Thermoplastic nets for textile, apparel and automotive.

Hotmelt film for automotive, construction and foams.

### Polypropylene (PP)

Hotmelt powders for technical bonding with high bond fail temperature and substitution of PP fibre bonding.

### Polycaprolatone (PCL)

Hotmelt powder for greasy leather and metal (e.g. aluminium).

### Terpolymere (PO)

Hotmelt powder for technical applications.

Thermoplastic films for automotive, construction, foam and non-wovens.

### Blends

Hotmelt powders blends for specific applications in the automotive and building construction industry (e.g. technical laminates); custom designed solutions.

### Specialities

Modified hotmelt powders, thermoplastic webs and films for bonding with specific requirements.

### Automotive

Thermoplastic hotmelt adhesives for the automotive industry are used in vehicle head-liners, rear parcel shelves, boot liners, soft trim, seat coverings, floor carpets, gearbox coverings and engine compartment insulation.

### Building construction

Thermoplastic hotmelt adhesives for the building construction industry can be used for roof trussed film, wall and ceiling liners, pipe insulation, carpet backing and also as an additive for paint and colouring.

### Technique

Thermoplastic hotmelt adhesives are widely used for technical laminates to bond many different substrates, e.g. textile products, foams, non-wovens, fibres and metal sheets as well as back-coating of carpets.

### Leather

Thermoplastic hotmelt adhesives for the shoe and leather industry are used to bond interlinings in a leather garment, luggage, shoe counters, toe puffs, chairs, armchairs and car seats.

### Textile

Thermoplastic adhesives are widely used in the textile industry for ladies' and men's garment, shirt collar interlinings, cuffs, button rows, lapels, memory-form shirts, small parts and fixation bands.

### Cosmetics

Thermoplastic hotmelt powders are also utilised as additives for the cosmetic industry, used for peeling and cleaning products as well as for hygienic products.





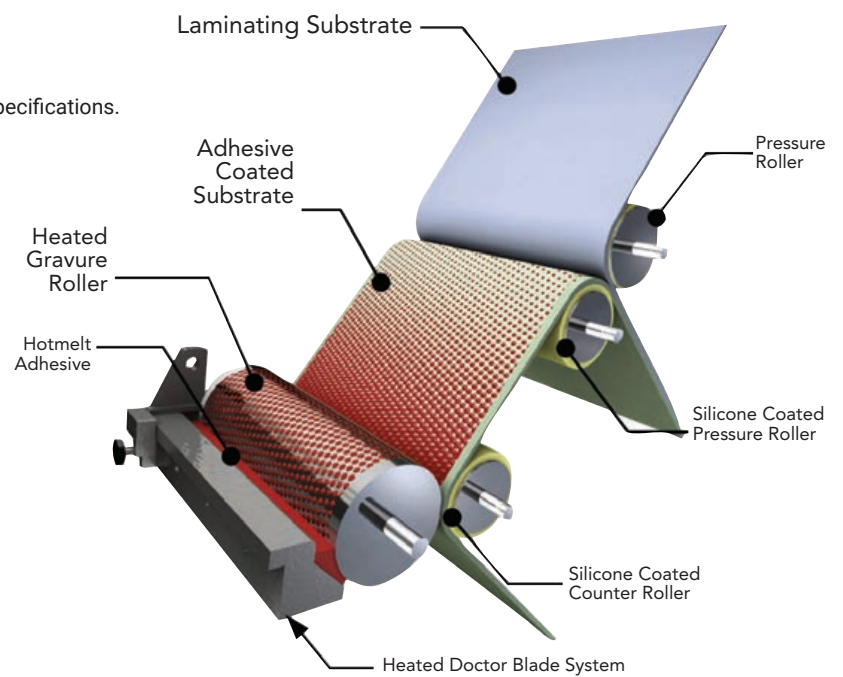
# **BONDING & LAMINATION HOTMELT**

**NARROW TO WIDE WEB WIDTHS  
ENTRY LEVEL TO LARGE SCALE PRODUCTION  
HEATED DOCTOR BLADE SYSTEM  
HEATED GRAVURE ROLLERS  
SILICONE COATED COUNTER ROLLERS**

## HOT MELT BONDING AND LAMINATION



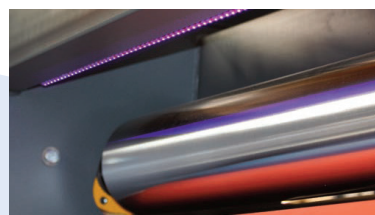
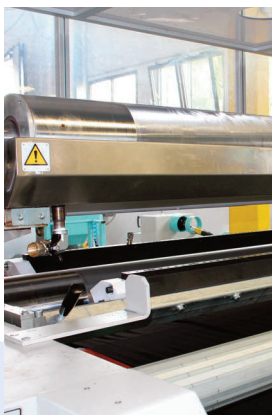
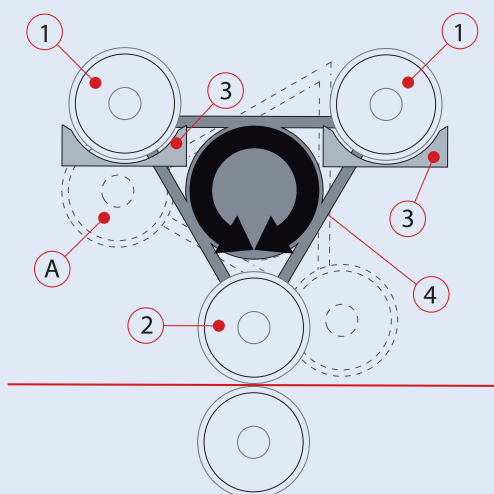
- High speed and low cost production systems.
- Specified to customer needs.
- Narrow and wide width options.
- Competitive pricing with high quality machine specifications.





## HOT MELT BONDING AND LAMINATION

1. Rollers in stand-by mode.
2. Rollers in operation mode.
3. Washing tanks.
4. Revolving.
- A. Placement of a new roller.





## HOT MELT BONDING AND LAMINATION



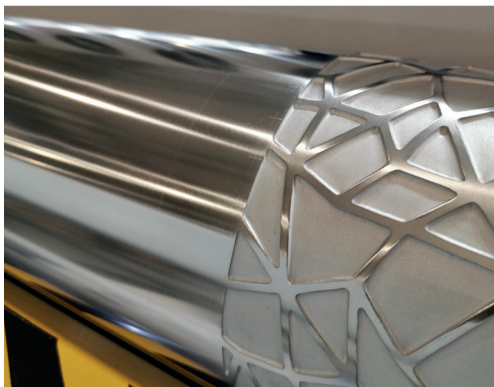


## HOT MELT BONDING AND LAMINATION





## EMBOSSING MACHINERY AND CYLINDERS



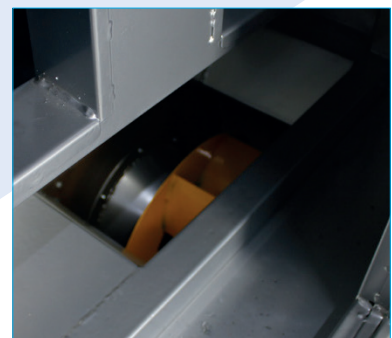




# **COATING, DRYERS, OVENS & MINI STENTERS**

**COATING MACHINES – ROTARY, FOULARD, BLADE,  
KNIFE OVER AIR, AIR OVER KNIFE  
DRYERS & OVENS – ELECTRIC, GAS ETC  
MINI-STENTER – CLIP OR PIN  
COMPACT AND HIGHLY EFFICIENT**

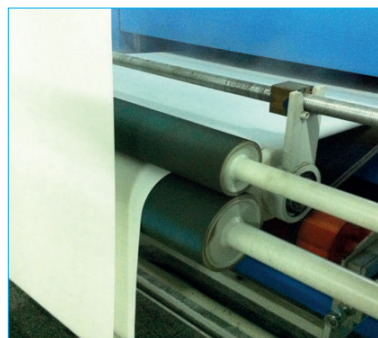
## COATING HEADS, DRYERS AND OVENS - MINI STENTERS



- Many coating options available - Foulard/blade/rotary/air over knife/knife over air.
- Small to large scale production applications.
- Narrow to wide width options are available.
- Pre-Treatment for digital printing.
- Easy installation, low energy consumption, less floor space.
- Easy operation, low investment costs.



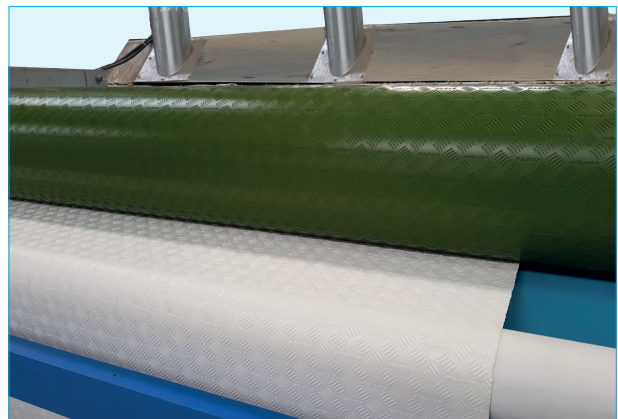
## DRYER SYSTEMS - TUBULAR FABRIC STENTER



- Effective on from %5 to full lycra fabrics ( cotton-lycra, lycra-polyester, lycra-viscose, viscose-polyester).
- Provides open width fixing quality by blowing air from 4 sides.
- Never creates any edge marks.
- Saves time against cutting and sanforizing process.



## DRYER SYSTEMS - PVC COATING LINE



- Useful for blade coating or rotation printing.
- All kinds of fabric can be coated.
- Can be coated in every weight.
- Can be seen desired print by chilled pattern roller at the dryer outlet.
- Cooling roller or air cooling can be applied.

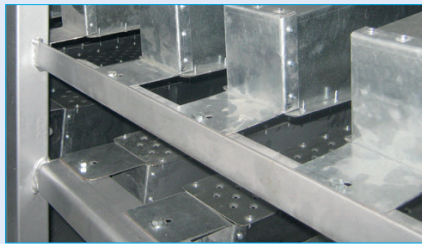
## DRYER SYSTEMS - FOAM DRYER



- Designed for drying impregnated foam or high weight nonwoven materials.
- Chemical is homogeneously impregnated into the material and achieves fireproof and acoustic properties.
- Maximum drying capacity is provided by 4 different hot air movements.



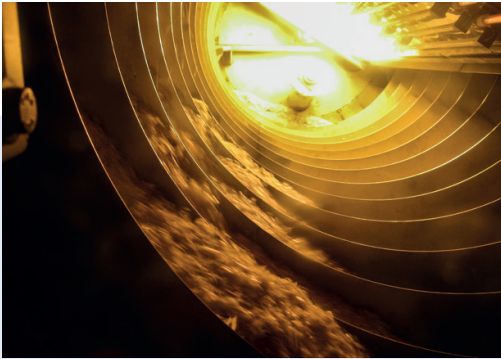
## DRYER SYSTEMS - BASIC DRYERS



- Suitable for drying after digital printing, screen printing and several coating applications.
- Air blower or infrared heated systems.
- To be able to produce the desired width and length.
- Low energy consumption, high efficiency, stylish design.



## DRYER SYSTEMS



### Rotary Dryer

- Suitable for drying of scrap materials (plastic, sawdust, food waste, compressed coal, various recycling).
- Can be produced different size and desired heating systems.



### Pre-Heating Systems

- Increases average 20% production speed with total 60 kw electric power.
- Easy to install, does not distort the originality of the machine.
- When the chain stops infrared lamps turn off and automatically lift.



### Laminated Glass Dryer

- With 4 drawers.
- Double vacuum pump.
- 80 kw dry air.
- Programmable heating, vacuuming and cooling times.



### Drum Dryer

- Useful for interlining and low density non-wovens.
- 2 meter diameter and 4 meter drum length (desired number of drums).
- Teflon coated surface with small holes.
- With gas or electrical heating option.

## COATING MACHINERY AND DRYERS







# **FABRIC PREPARATION AND FINISHING MACHINERY 1**

**SLITTING  
ROLLING  
BATCHING & ROLLING  
SAMPLING  
DOUBLE FOLDING  
TWICE DOUBLE FOLDING  
PRECISION PLAITING  
BEAM WINDING  
TUBULAR INSPECTION  
FABRIC INSPECTION KNITTED FABRICS  
FABRIC INSPECTION WOVEN FABRICS  
FABRIC PREPARATION  
FABRIC BATCHING  
ROLL PACKAGING  
XY MULTI-LAYER CUTTING MACHINERY**



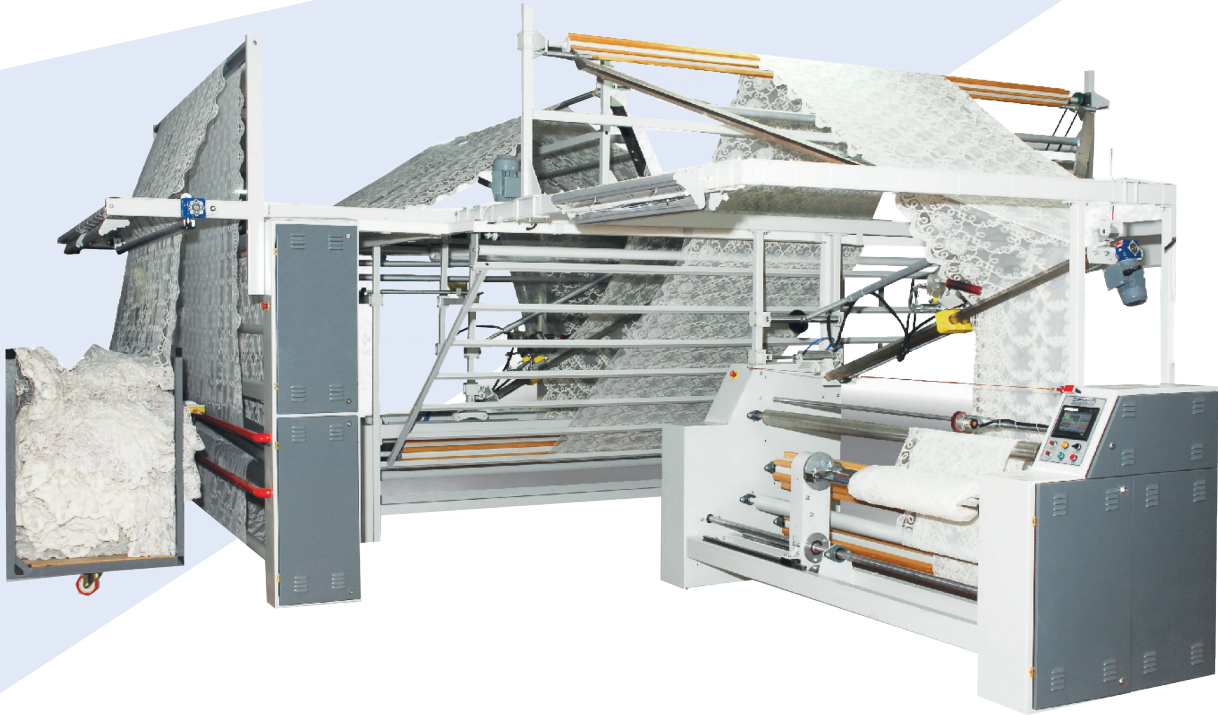
## ULTRASONIC FABRIC CUTTING MACHINE



- Fabric slicing with ultrasonic technology.
- Cutting all kinds of fabric with special production knives.
- Paste on the cutting edge of the fabrics.
- Ultrasonic cutting removes the burrs, yarns, tassels etc. solves.
- Stor curtain and polyester fabric cutting in the exact solution.
- Optional cutting knife piece.
- Fabric control screen addition before fabric cutting optional.
- Electronic speed control 0-60m/minutes.
- Our products are fully technical service guaranteed. Ultrasonic signal generator manufacturing by DEMAS.
- Shower curtain, table cloth, edge etc. pattern printing with ultrasonic cutting.
- Different options according to customer needs.



## DOUBLING AND TWICE DOUBLE FOLDING - ROLLING MACHINE

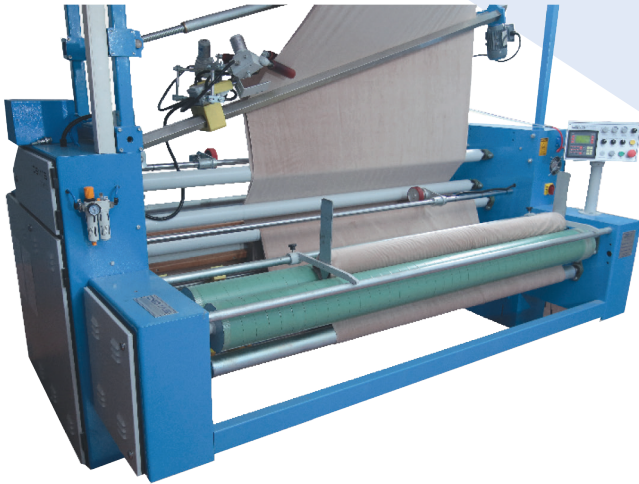


- This machine is suitable for woven, tulle, organza, embroidery, voile, jacquard etc. fabric.
- Double folded rolling machine.
- Double folding machine (book form).
- Twice double folding machine (book form).
- Fabric inlet through same place for double and four folds.
- Photocell adjustment system according to the width of fabric prior to double and four folding.
- For proper folding, special system for thin and sensitive fabric.
- Well-arranged edges by photocell control for twice double folding and double folding.
- Electronically special tension system.
- Hard or loose folding feature, due to torque controlled, from beginning of the roll to end of the roll.
- Adjustable electronic calibrated counter meter system adjustable speed control between 0-60 m/min.





## DOUBLE FOLDING - ROLLING MACHINE



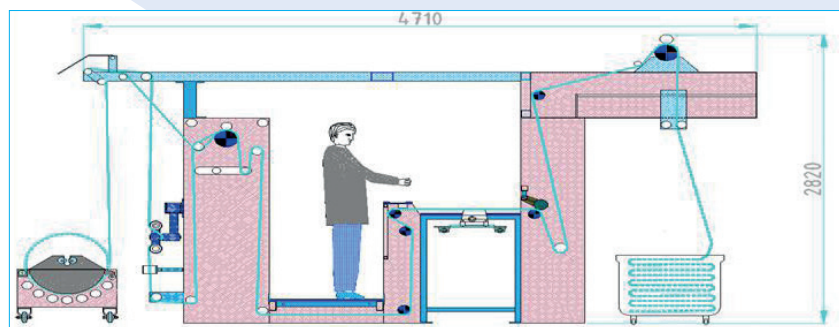
- This machine is suitable for woven, tulle, organza, embroidery, voile jazquard etc. fabric.
- Double folded rolling machine.
- Double folding machine (book form).
- Twice double folding machine (book form).
- Fabric inlet through same place for double and four folds.
- Photocell adjustment system according to the width of fabric prior to double and four folding.
- For proper folding, special system for thin and sensitive fabric.
- Well-arranged edges by photocell control for twice double folding and double folding.
- Electronically special tension system.
- Hard or loose folding feature, due to torque controlled, from beginning of the roll to end of the roll.
- Adjustable electronic calibrated counter meter system adjustable speed control between 0-60 m/min.



## DOUBLING AND TWICE DOUBLE FOLDING - ROLLING MACHINE



- Machine that sewing edges of organdie, crush and tergal fabric then spreading.
- Synchronized working due to electronic tension adjustment.
- From entrance to exit of the fabric, tension adjustment and controllable transport feature.
- Fabrics feed from small roll and plaiting controlled by photocell for proper entrance of the fabric from small rolls.
- Selvedge photocell guide, adjustable according to the sliding speed of fabric before sewing.
- Working speed between 13 m/min.
- Automatic end of piece stop sensor.
- Stop sensor when yarn breaks off.
- System to stop the machine when meets knotted lead.
- Vacuum system to gather up the cut fabric selvedge.
- Roll basket (Optional).





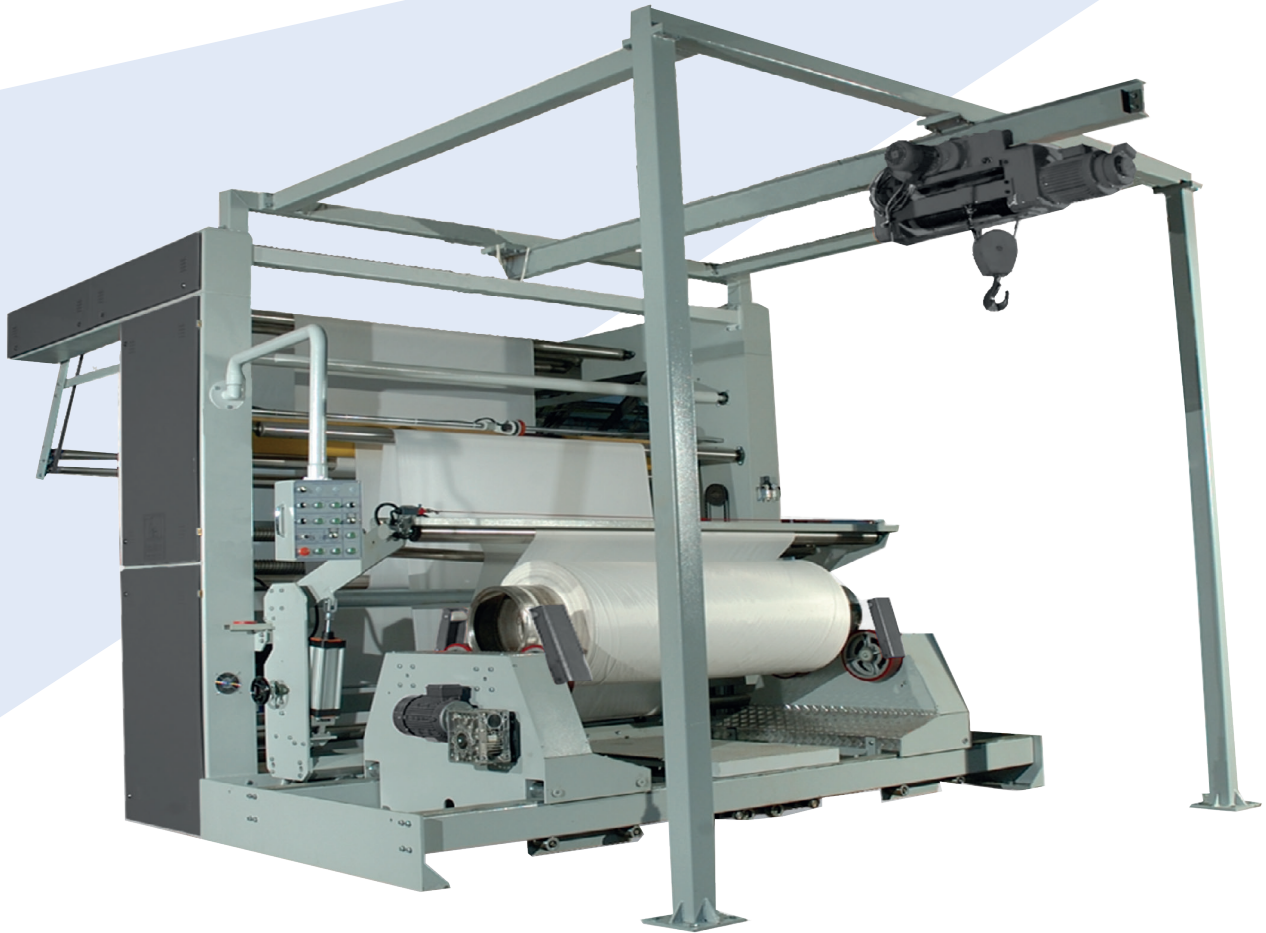
## PRECISION PLATING MACHINE



- Yarding machine after inspecting grey woven fabrics that came from.
- Working width 1800 mm up to 3600 mm.
- Different heights (1400 and 2000 mm) (K2 – K3).
- Different feed of fabric like loom-beam, roll, big batch.
- Dancer waltz system control between 0 – 40 m/min.
- Automatic tray down system according to the thickness of the fabric.
- Illumination group (Optional).
- Roll basket (Optional).



## BEAM WINDING MACHINE

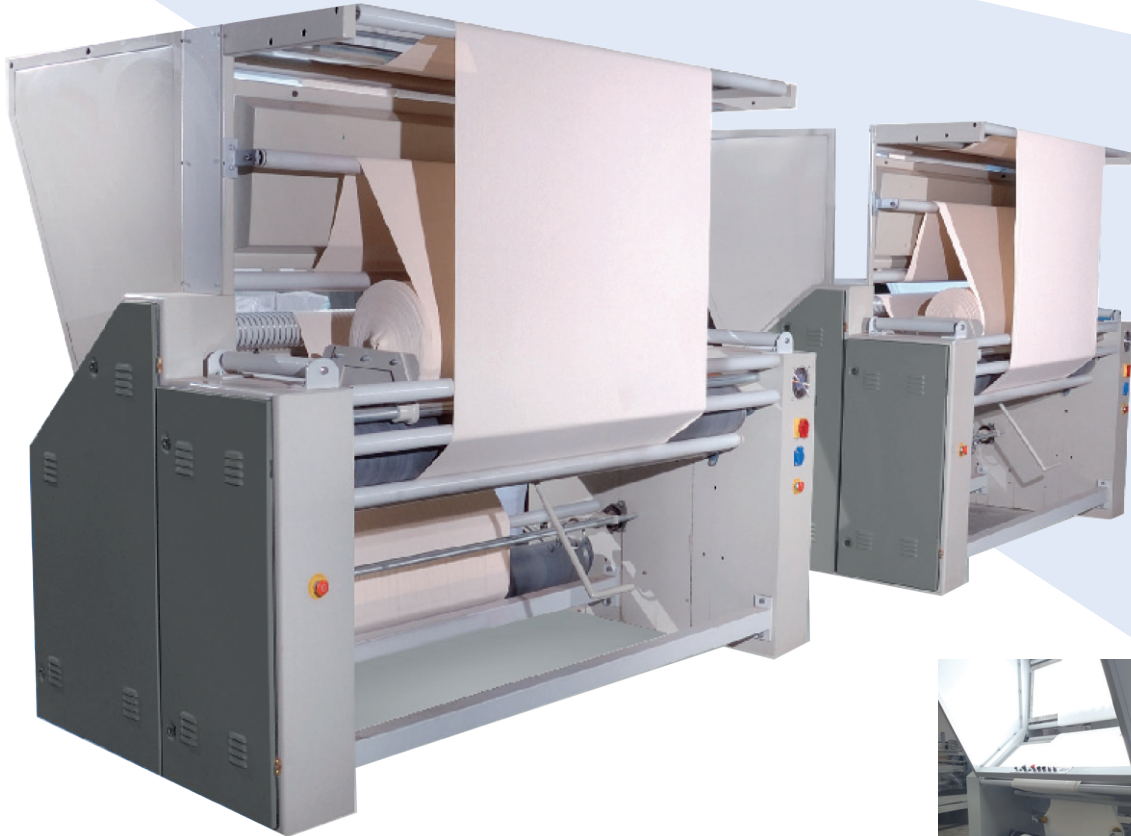


- Beam winding machine for woven fabrics.
- Rolling fabric on beams between diameter 250 and 800 mm.
- Rolling fabric up to dia. 1200 mm.
- Automatic narrowing and expanding according to lengths of beam between dia. 1400 mm and 3600 mm.
- Fabric centering group with photocell.
- Smooth rolling by fabric edge control system.
- Electronic meterage system.
- Plaiting backward (Optional).
- Expander unit (Optional).
- Crane group (Optional).



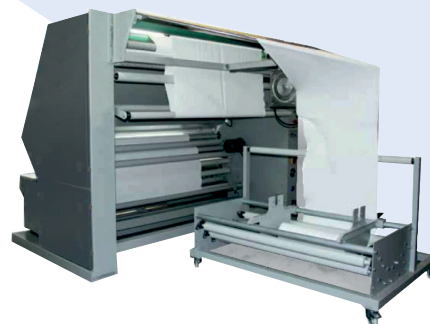
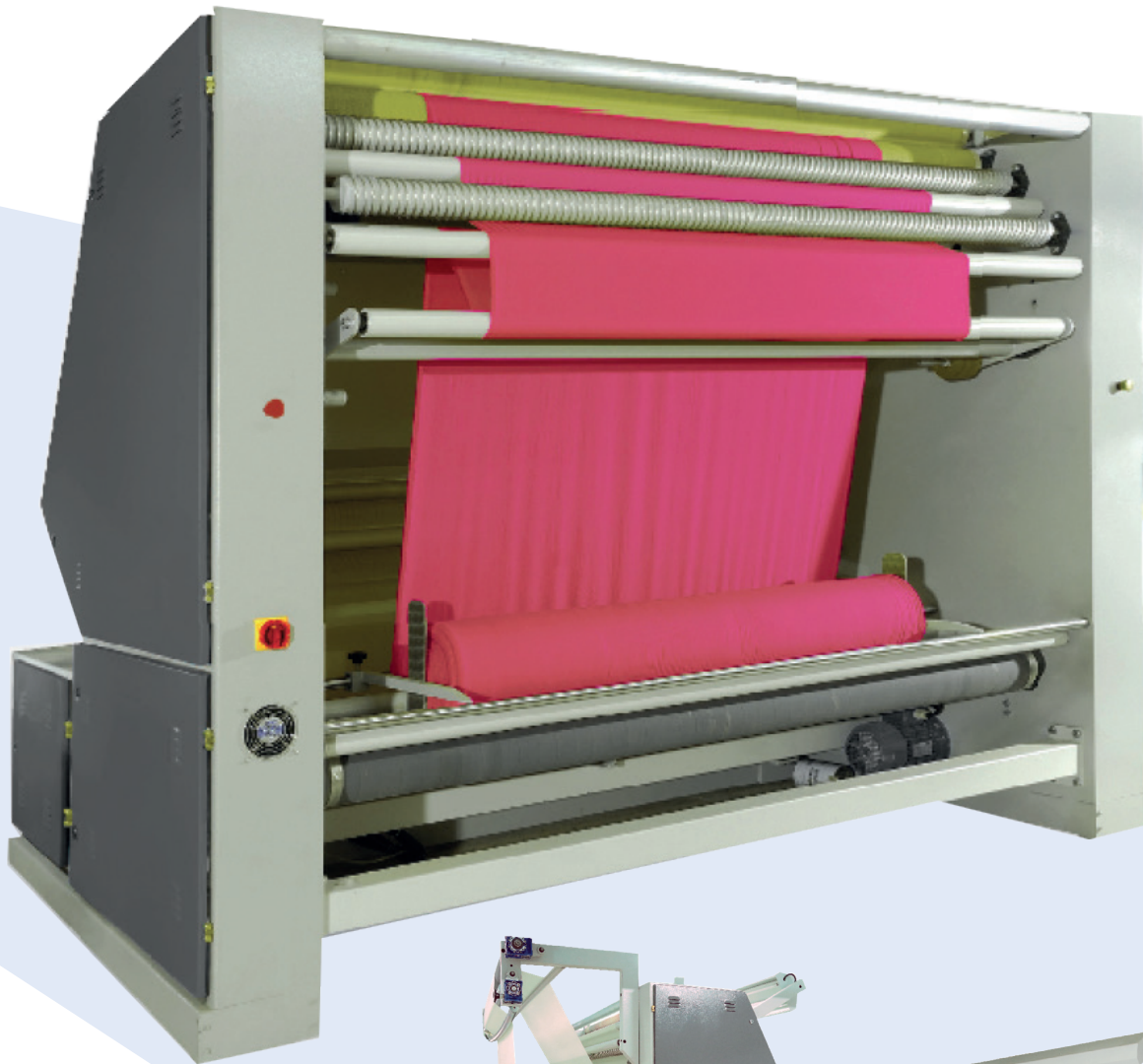


## TUBULAR FABRIC INSPECTION MACHINE



- Raw tube knitted fabric inspection and roll up process with double screen control panel.
- Inspection panel is protected from daylight aid by covering cabin and is illuminated by varied lamps.
- It has double motors for synchronise working of winding and un-winding.
- Different model option is available for fabric inlet from plait, fabric outlet to plait.

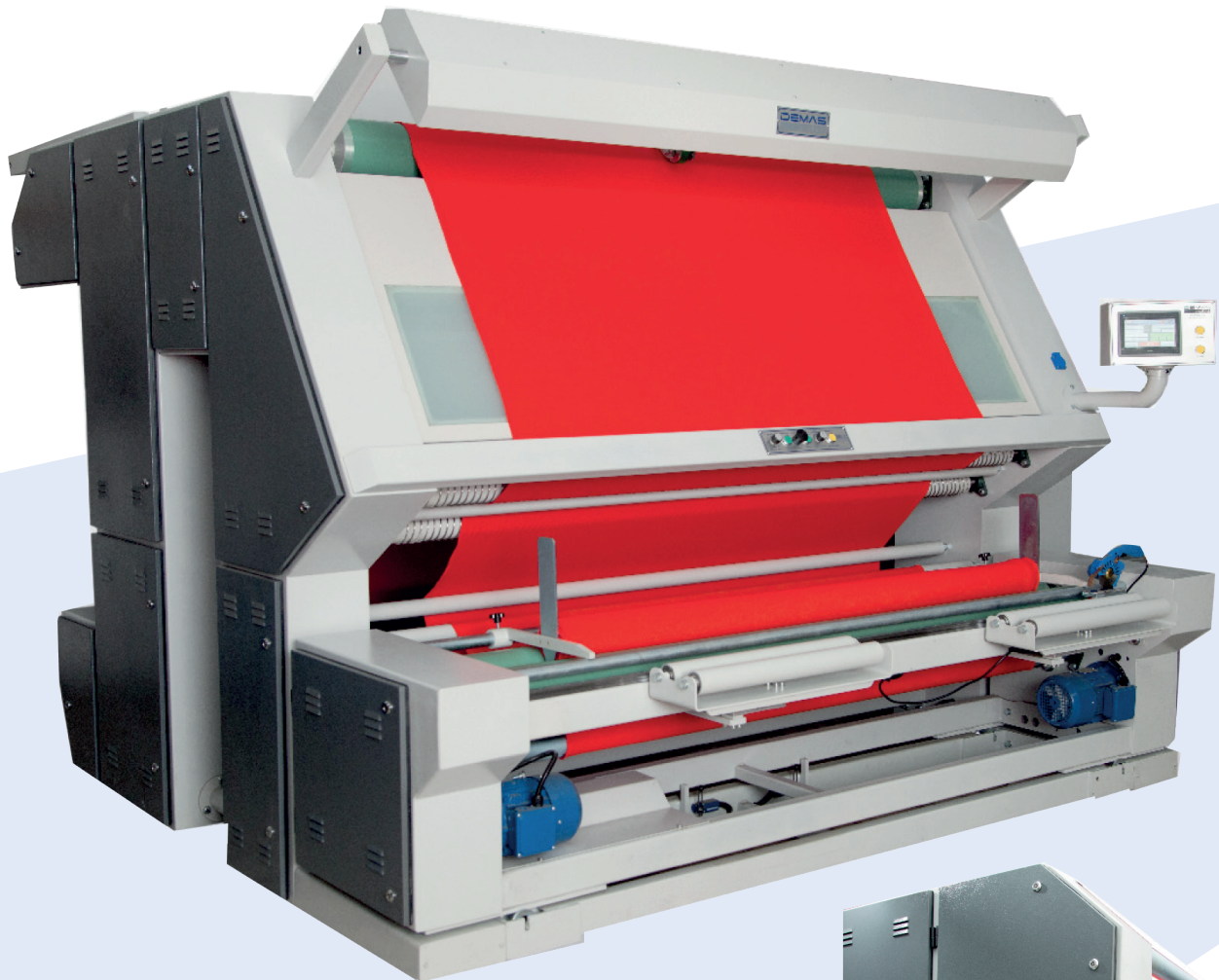
## FINISHED FABRIC INSPECTION & ROLL (KNITTED)



- Rolling machine by inspecting open width grey knitted fabrics without being stretched.
- Air insufflation system for eliminating of fabric edge curls.
- Stops automatically at finish or at required meterage.
- Calibration values can be separately defined for each type of fabric (99 pieces).
- Inspection panel protected from daylight aid by covering cabin and illuminated by varied lamps.
- It weights roll and by connecting printer, writes barcode label (Optional).
- By passing the tube fabric through cutting and expanding device it makes it open width fabric (Option).



## FINISHED FABRIC INSPECTION & ROLLING (KNITTED) MACHINE



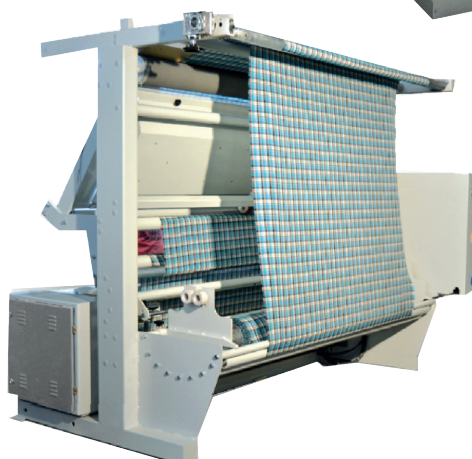
- Possibility to move the fabric to the control screen freely with the sensor controlled conveyor system.
- Suitable machine for fabric quality control without being stretched of open knitted fabrics.
- Air insufflation system for eliminating of fabric edge curls.
- Stops automatically at finish or at required meterage.
- Edge control unit with photocell in order to roll smoothly.
- Calibration values can be separately defined for each type of fabric (99 pieces).
- Inspection panel protected from daylight aid by covering cabin and illuminated by varied lamps.
- It weights roll and by connecting printer, writes barcode label (Optional).
- By passing the tube fabric through cutting and expanding device it makes it open width fabric (Optional).



## WOVEN FABRIC INSPECTION & ROLL MACHINE



- Wide-screened machine for inspecting and rolling of woven fabrics.
- Stops automatically at finish or at required meterage.
- Two engine for control the rolls stiffness.
- Edge control unit with photocell in order to roll smoothly.
- Calibration values can be separately defined for each type of fabric (99 pieces).
- Roll basket (Optional).
- Stainless steel cleaning basin (Optional).
- Weights roll and by connecting printer, writes barcode label (Optional).
- Adjustable speed control between 0-60 m/minutes.





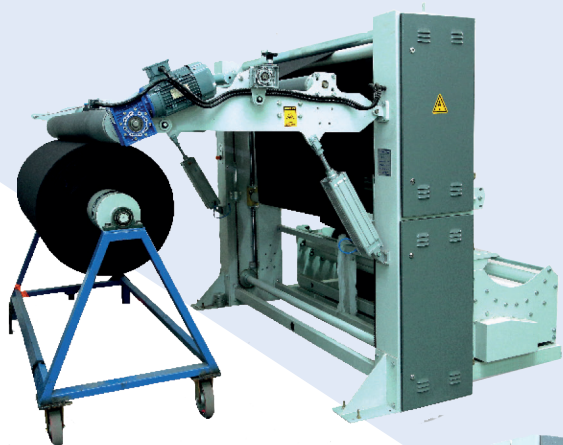
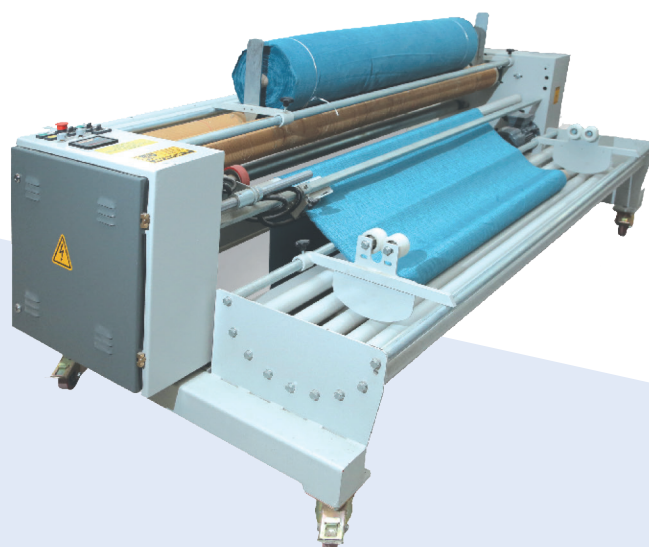
## FABRIC INSPECTION AND ROLL MACHINE



- Wide-screened machine for inspecting and rolling of woven fabrics.
- Stops automatically at finish or at required meterage.
- Two engine for control the rolls stiffness.
- Edge control unit with photocell in order to roll smoothly.
- Calibration values can be separately defined for each type of fabric (99 pieces).
- Roll basket (Optional).
- Stainless steel cleaning basin (Optional).
- It weights roll and by connecting printer, writes barcode label (Optional).
- Adjustable speed control between 0-60 m/minutes.

## BATCHING & ROLLING MACHINE

- Batch plating for woven fabrics.
- Batching machine for woven fabrics (D.508.2).
- Fabric transferring and short length roll (D.508.1).
- Stops automatically at finish or at required meterage.
- Calibrating values can be separately defined for each type of fabric (99 pieces).
- By connecting printer, it writes barcode label (Optional).
- Changer unit (Optional).
- Curved tube (Banana cylinder).
- Adjustable electronic calibrated counter meter system adjustable speed control between 0/60m/min.





## PREPARATION AND BATCHING MACHINE



- Rewinds raw fabrics from small roll to batch.
- Stops automatically at fabric end or at required meterage.
- Calibrating values can be separately defined for each type of fabric (99 pieces).
- Stainless J-Box group (Optional).
- Centering group by sensors (Optional).
- Changer group (Optional).
- Slant roller / Banana roller for wrinkle free winding (Optional).
- Fabric end to end sewing system (Optional).
- Without echelon 0 – 80 mt/min electronic speed control.
- Adjustable electronic calibrated counter meter system adjustable speed control between 0 – 80 m/min.

## PREPARATION, BATCHING & ROLLING AND PLAITING MACHINE



- Group required for non-stop operation of fabrics coming from small rolls at the entrance of the stenter machine.
- Un-winding group from roll without tension (option), without echelon 0 – 80 mt/min electronic speed control adjustable electronic calibrated counter meter system adjustable speed control between 0 – 80 mt/min.
- Fabric end to end sewing system (Optional).



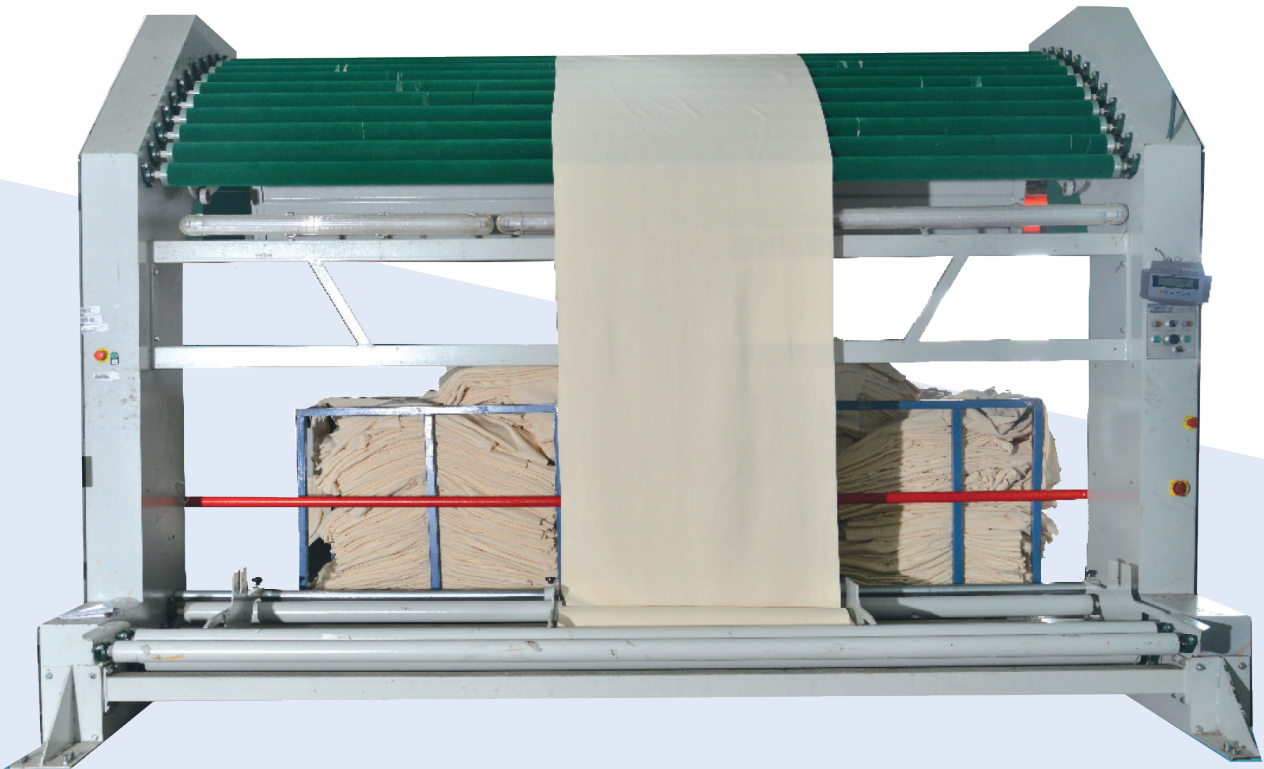
## BATCHING & ROLLING AND PLATING MACHINE



- Batch-roll rolling and plaiting machine after inspecting the fabrics came from trolley, roll and batch.
- Stops automatically at finish or at required meterage.
- Calibrating values can be separately defined for each type of fabric (99 pieces).
- Stainless steel cleaning basin and stainless steel front panel (Optional).
- Board unit with photocell.
- Changer unit (Optional).
- Curved tube (Banana cylinder).
- Adjustable electronic calibrated counter meter system adjustable speed control between 0/60m/min.
- By connecting printer, it writes barcode label (Optional).



## PLATING MACHINE

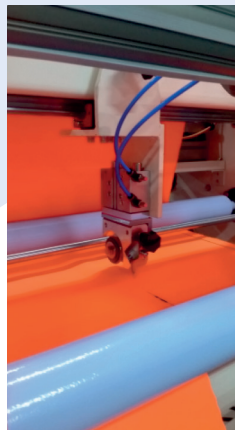
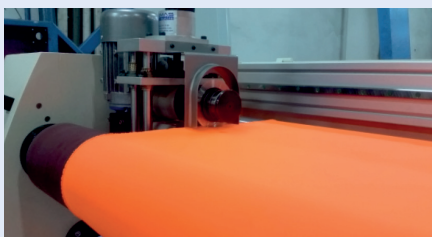
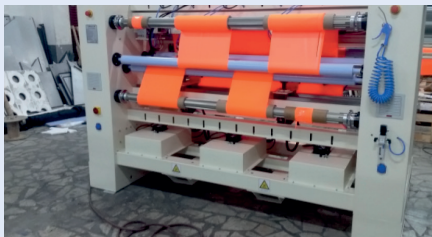
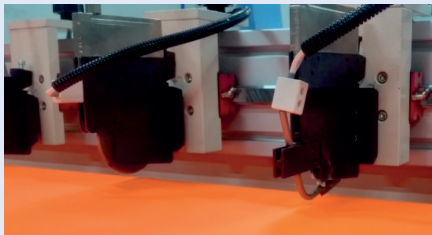


- Machine for un-winding of rolled fabric to plait in trolley.
- Quality control screen (Optional).
- Meter-counter (Optional).





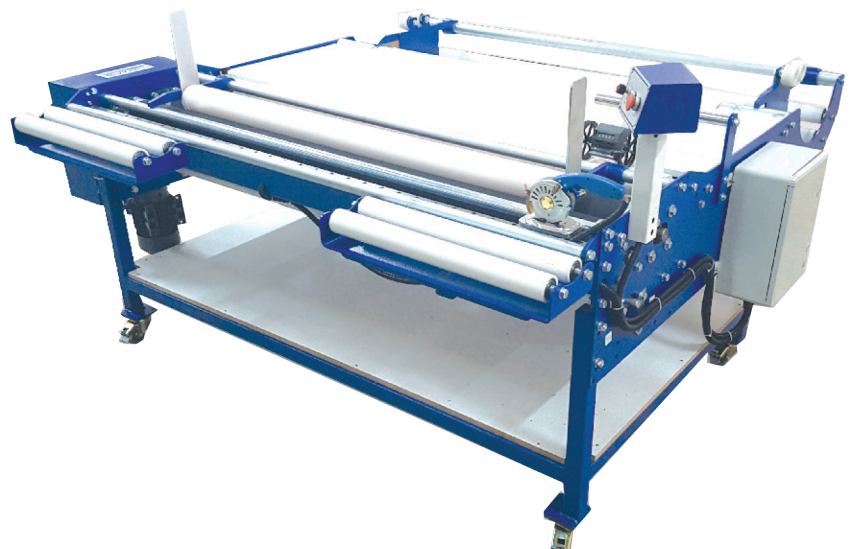
## FABRIC SLITTING MACHINE



- Electric heat cutting solutions that prevent edge trimming after cutting (Optional).
- Shear cutting system for laminated and special products (Optional).
- Ultrasonic cutting option for digital pre-printing process.
- Shaped ultrasonic cutting or logo writing solutions (Optional).

## INSPECTION AND ROLLING MACHINE

- Suitable machine for fabric quality control and wrapping from roll to roll for lycra and woven fabrics.
- The possibility of rolling in short length rolls.
- Smooth and proper winding with fabric edge control system.
- Automatically machine stop feature when the fabric finished and at the required meter.
- Feature to cut the fabric end with the motorized blade system.
- Possibility to move the machine thanks to it's 4 wheels.

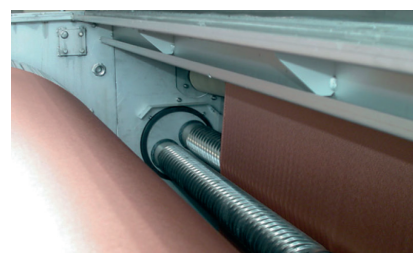
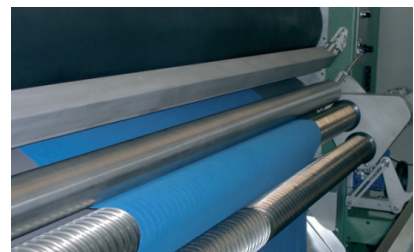




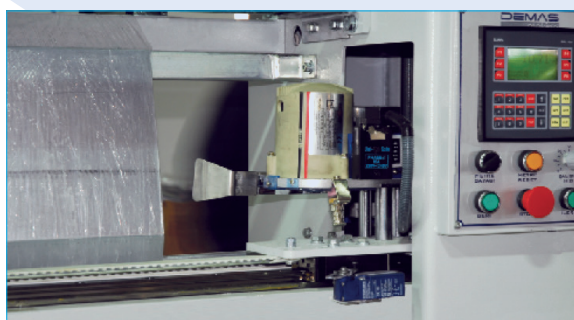
## WET ROPE OPENING MACHINE



- Automatic de-twister controlled by electronically by inverter for woven fabrics.
- Stainless steel scroller device.
- Two framed rollers put in rotation by an independent device motor.
- Centering group controlled by pneumatic system.
- Selvage position detector.
- Max. opening speed is 60m/minutes.



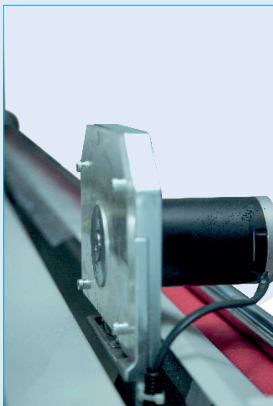
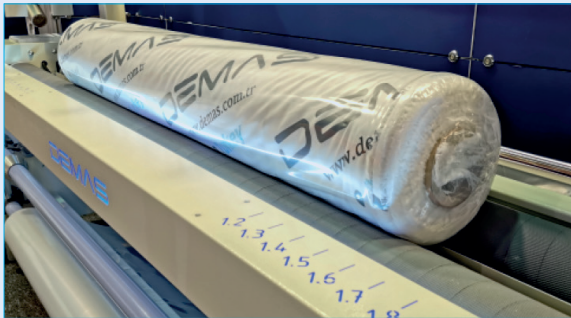
## EMBROIDERY CUTTING MACHINE



- Practical solution for broad machines.
- Cut fabrics without tension by placing a roll with a max. diameter of 400mm on the roll un-winding system.
- Automatic stop at desired meter.
- Pneumatic tightening system for precise fabric cutting.
- Prepares 3 coupons per minute (19 - 25m).
- Quality control display attachment (Optional).



## SEMI AUTOMATIC FABRIC ROLL PACKAGING MACHINE



- Packing Capacity 50-60 rolls/hour.
- With the help of sensed automatic diameter measurement system, can be measured the diameter of the roll in the entrance by sensors and nylon film waste is reduced according to the roll diameter.
- It is suitable for packing Min.150mm Max. 350mm fabric rolls diameter.
- Edge closing of the roll is done by insufflating the hot air at the both two side of the roll and puckers the nylon film. When the roll is rotating on the cylinder hot-air blowers approach near both side of the roll and the nylons are heated properly and then they are puckered.
- Puckered nylon film is pressed towards to frontal side of the roll with the plates.

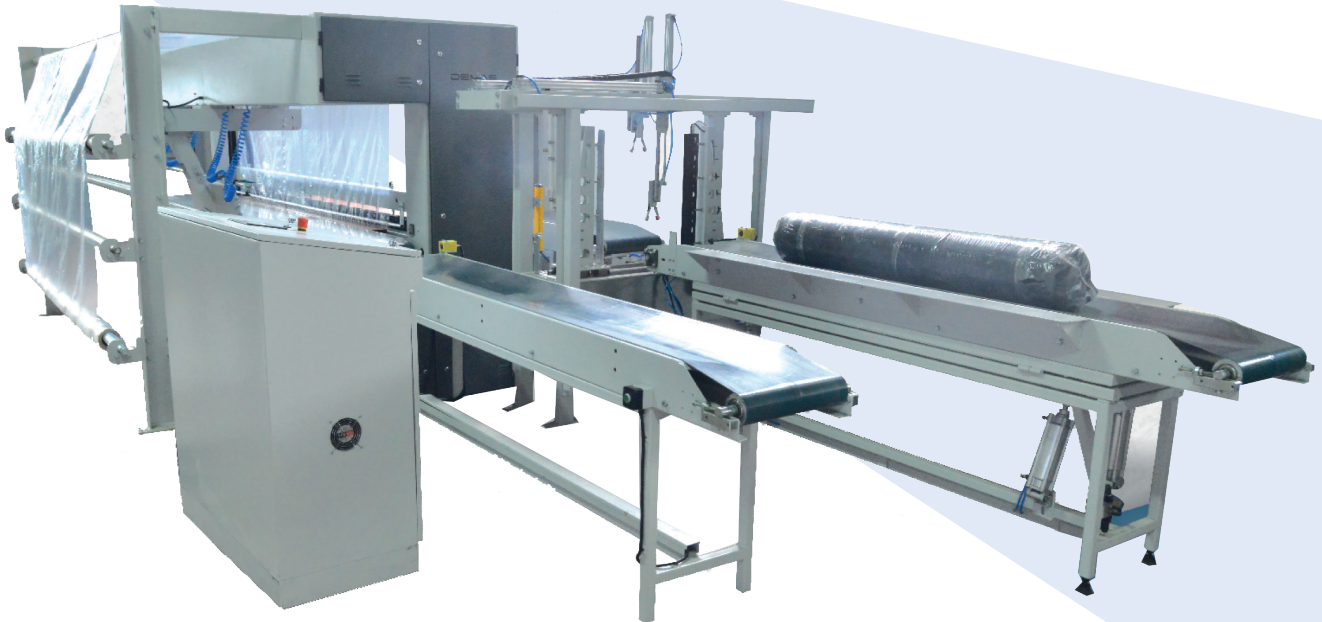
## INSPECTION & FULL AUTOMATIC FABRIC ROLL PACKAGING MACHINE



- Suitable machine for fabric quality control without being stretched of open knitted fabrics.
- Possibility to move the fabric to the control screen freely with the sensor controlled conveyor system.
- Electronic meter measurement system. (Meter tolerance according to the measurement in the free state of fabric is 0.4%).
- Smooth and tight winding with fabric edge following system.
- Possibility of rolling without twisting the fabric thanks to spiral opener rollers.
- Automatically machine stop feature when the fabric finished and at the required meter.
- Feature to cut the fabric end with the motorized blade system.
- By connecting printer the ability to write barcode label of the weight of the roll.
- Minimum PE film consumption thanks to the diameter measuring sensor.
- Length welding system with thermal system.
- Packed roll pneumatic piston transfer unit to the transport trolley.
- With touch screen control panel.



## FULL AUTOMATIC FABRIC ROLL PACKING MACHINE



- Fabric rolls wrapping with nylon film, side sealing with thermal welding method.
- 80-100 rolls/hour packing capacity.
- Packaged roll is passed through shrink unit for close-fitting wrapping.
- Multi-loading from roll machine to conveyors and automatic pinpoint multi-dispatching to carriages.
- Automatic nylon film changing system according to different widths of roll.
- Specific solutions for packing of big diameter rolls.

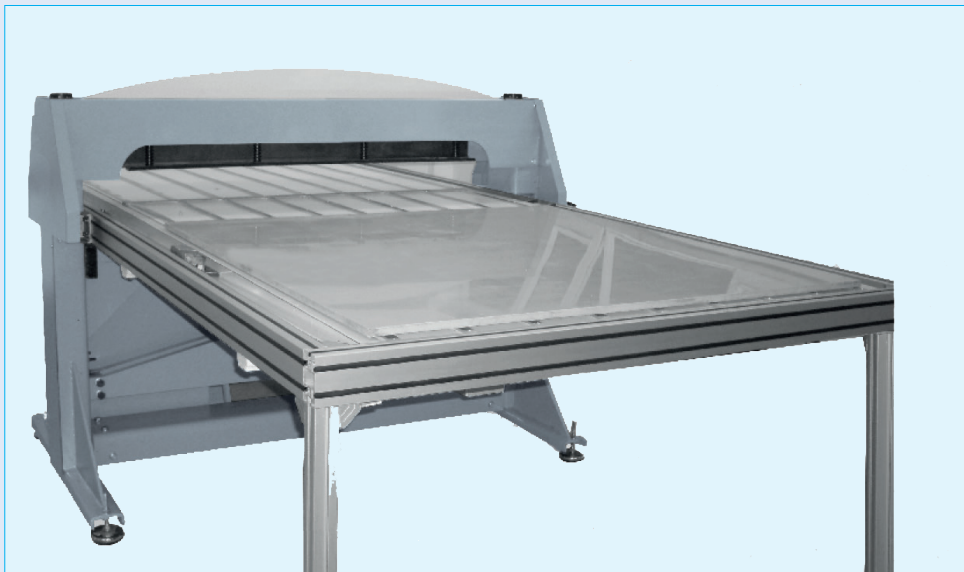
## FULL AUTOMATIC BOOK FORM FABRIC ROLL PACKAGING MACHINE



- Possibility of packaging fabric rolls in book form with different length in meters in single nylon size.
- Minimum nylon and energy consumption.
- Packaging possibility with 40-50 drum/hour capacity.
- Shrink tunnel option for stretched and transparent packs at the end of packaging.



## XY MULTI-LAYER CUTTING MACHINE FOR SAMPLING/CLOTHS ETC



- Our XY cutting table allows for single or multiple layers to be accurately cut in a single pass and X and Y direction. The cutting can be made to give a pinking (half triangular) or straight edge.
- Multiple layers in one pass.
- Different machines width options available.
- Fully programmable and highly accurate precision cutting.



# **FABRIC PREPARATION AND FINISHING MACHINERY 2**

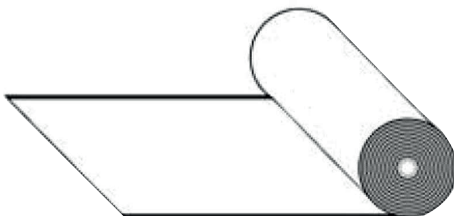
**DYE HOUSE MACHINERY – SAMPLING & TESTING  
TEXTILE PREPARATION LINE  
IN-LINE SEWING  
UNWINDING, FOLDING & BATCHING  
LINEAR SEWING RAILS  
NON-STOP FEEDING AND UN-WINDING  
FABRIC EDGE SEWING – DIGITAL FABRIC PREPARATION  
HOT KNIFE SLITTING  
SEWING MACHINES**



## DYE-HOUSE DOLLY SAMPLING /TESTING

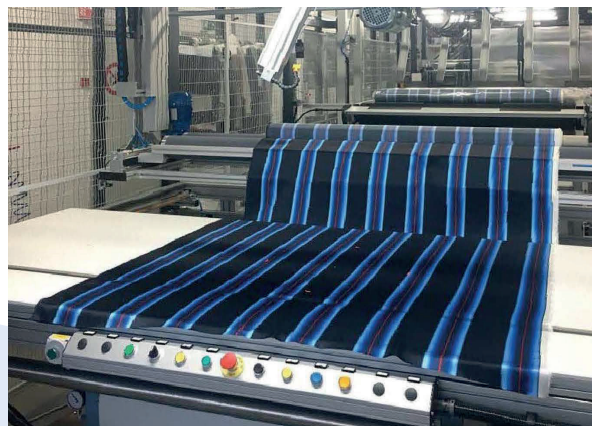


The first Automatic machine in the world, to produce the sleeve for subsequent verification of centre-to selvedge, head-to-tail colour variation and all other characteristics of the fabrics.



Piece of fabric you take from your finished roll.

## DYE-HOUSE DOLLY SAMPLING /TESTING



T-TPS Control Line System International Patented System. Patented line for pre-control rolls with automatic steam test.



Automatic loading.



Unloading rolls into your trolley.

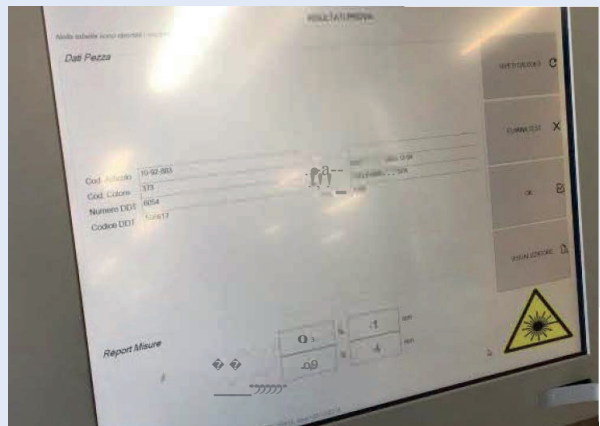
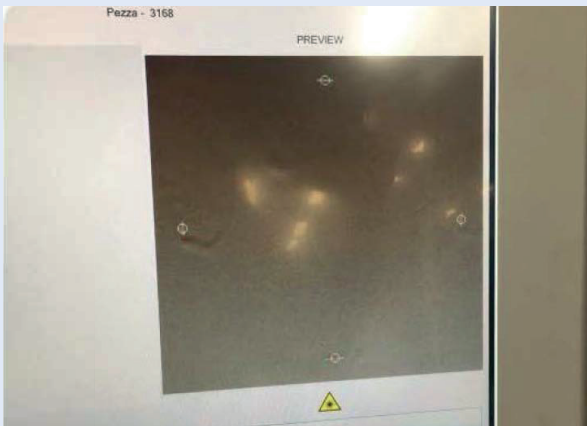




## DYE-HOUSE DOLLY SAMPLING/TESTING



Special software to control the automatic shrinking of the fabrics with the possibility to integrate with the customer management system.



## FABRIC PREPARATION LINE

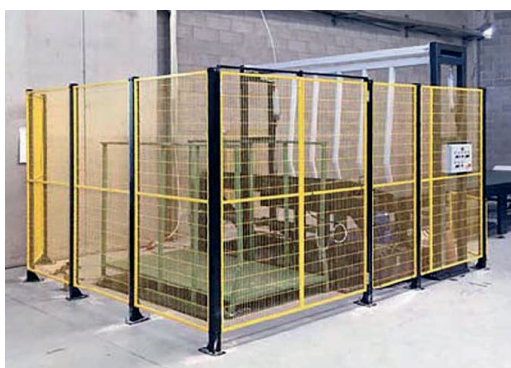




## FABRIC PREPARATION LINE



Automatic platform to  
load the rolls on the  
conveyor belt





## FABRIC PREPARATION LINE

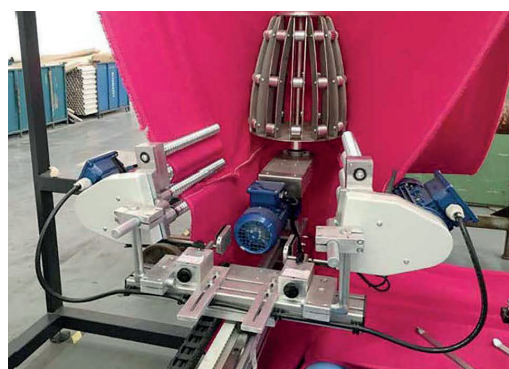
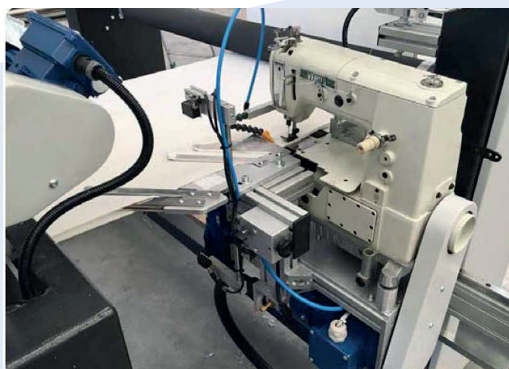




**FABRIC PREPARATION MACHINERY ABLE TO  
UN-WIND ROLL WITH SEWING IN THE SAME TIME**



## FABRIC PREPARATION MACHINERY ABLE TO UN-WIND ROLL WITH SEWING IN THE SAME TIME





**PREPARATION MACHINERY WITH SEWING FOR FABRICS IN OPEN WIDTH AND TUBULAR FORM. THE UN-WINDING OF THE ROLL IS DONE AT THE SAME TIME AS THE SEWING PROCESS**



**PREPARATION MACHINERY WITH SEWING FOR FABRICS IN OPEN WIDTH AND TUBULAR FORM. THE UN-WINDING OF THE ROLL IS DONE AT THE SAME TIME AS THE SEWING PROCESS**

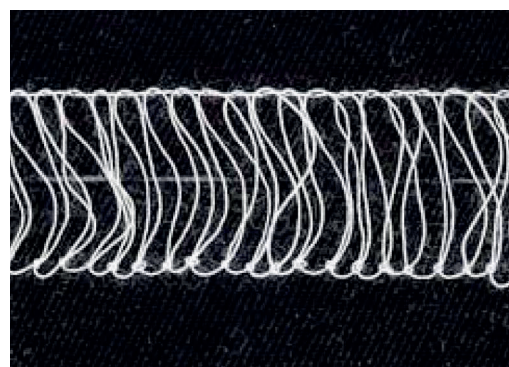
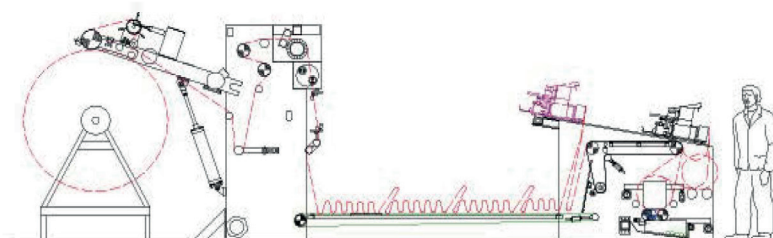
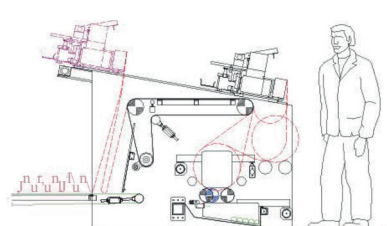
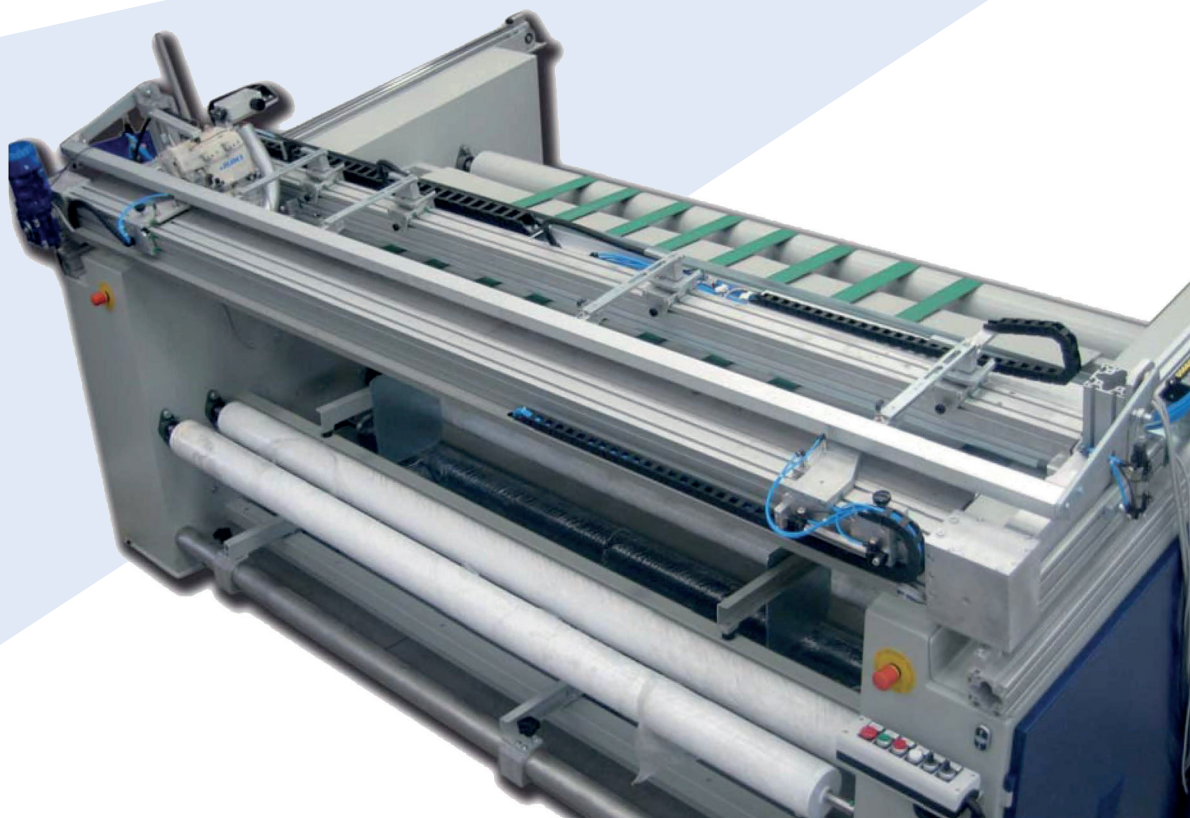




## UN-WINDING, FOLDING AND BATCHING MACHINERY FOR WOVEN AND KNITTED FABRICS

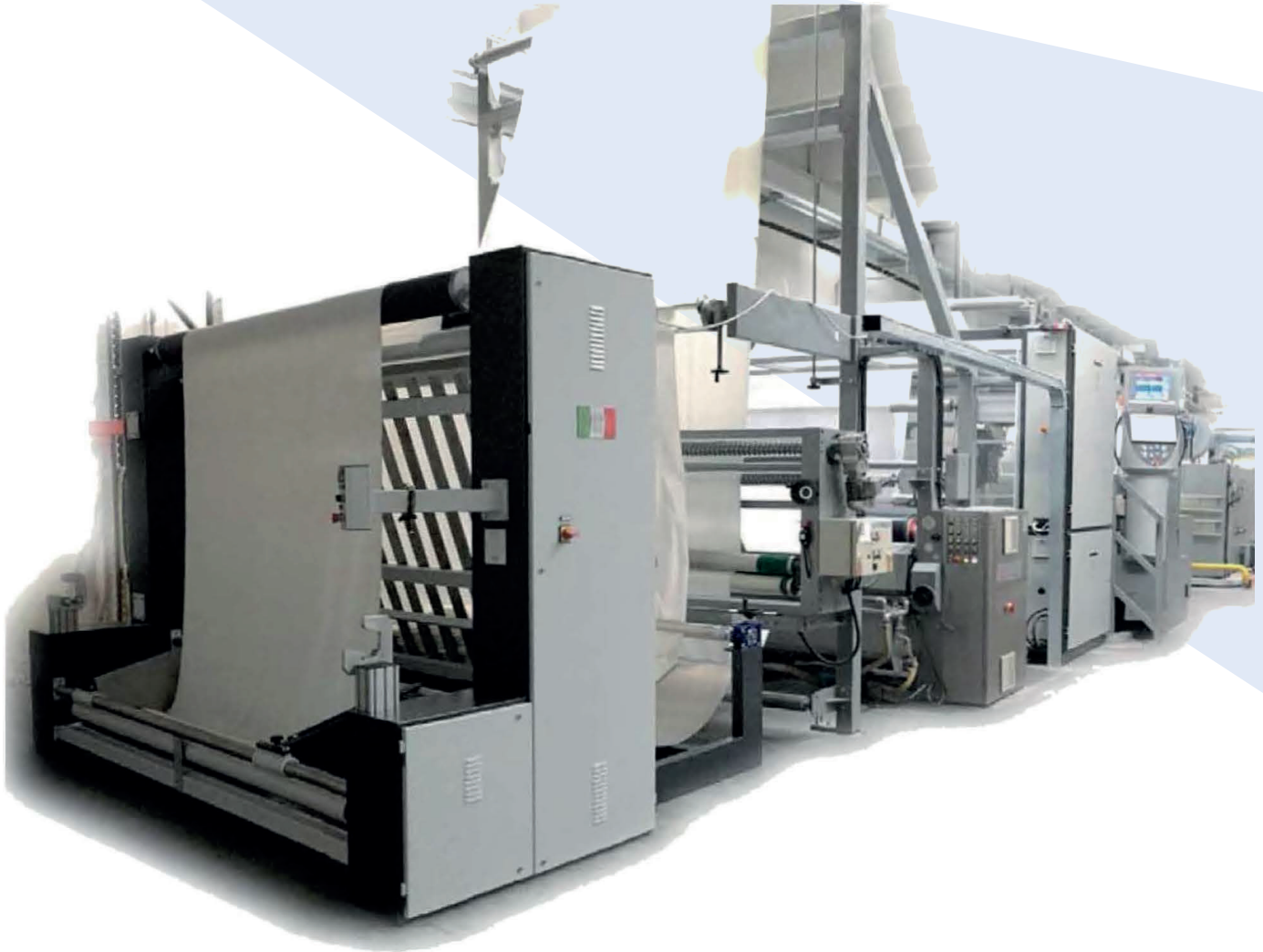


## LINEAR SEWING MACHINERY FOR THE JOINING OF FABRIC ROLL END TO LEADING EDGE OF THE NEW ROLL FOR CONTINUOUS WORKING

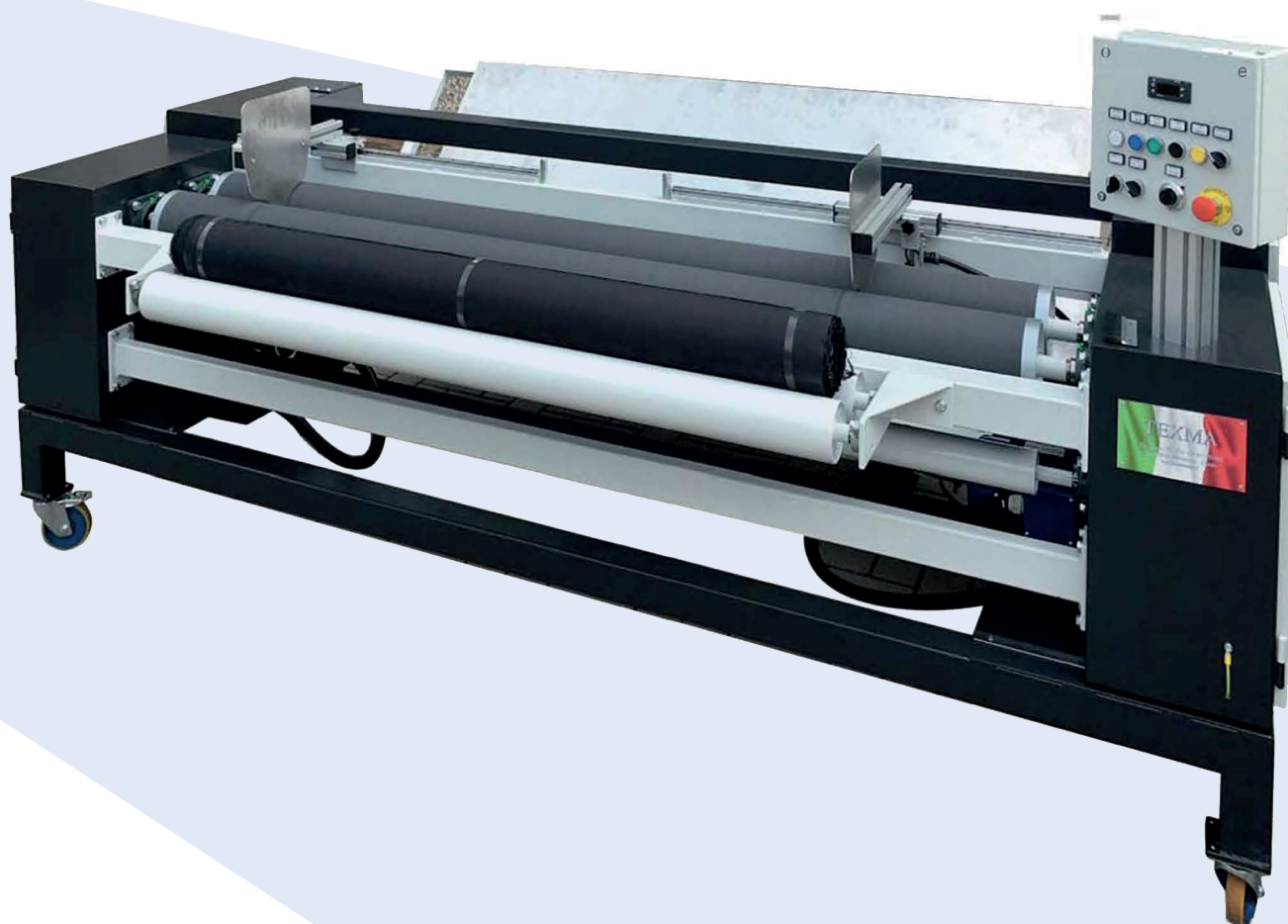




## NON-STOP UN-WINDING MACHINERY WITH NON-STOP SYSTEM FOR CONTINUOUS PROCESSING

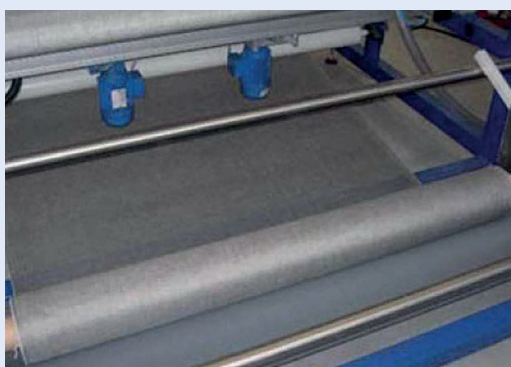
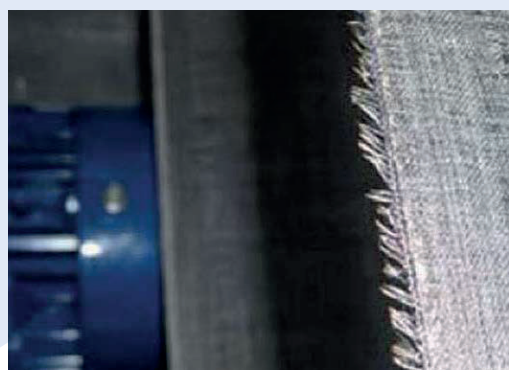
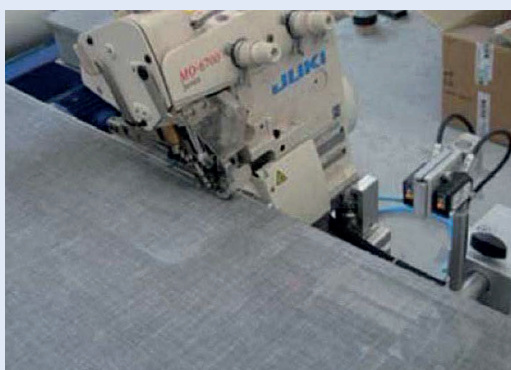
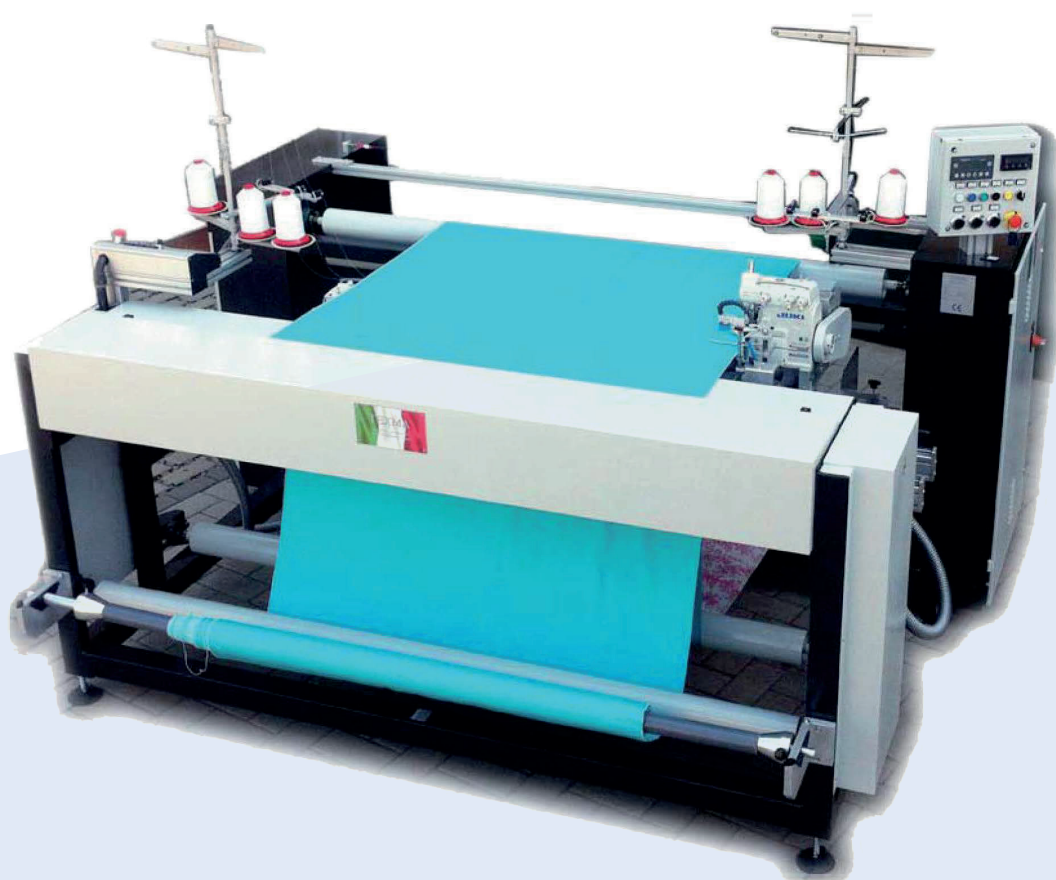


## NON-STOP UN-WINDING MACHINERY WITH NON-STOP SYSTEM FOR CONTINUOUS PROCESSING

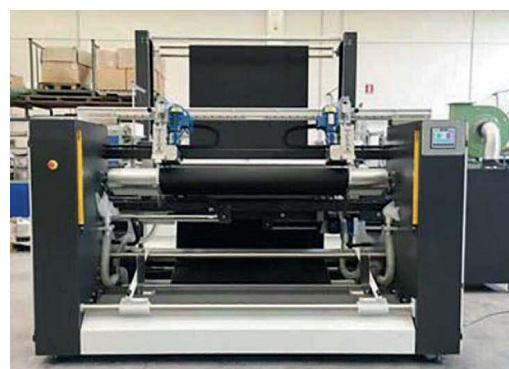




## OVERLOCK SEWING MACHINERY FOR THE PREPARATION OF DIGITAL FABRICS



## MACHINERY FOR SEWING OR SLITTING OF SYNTHETIC FABRICS

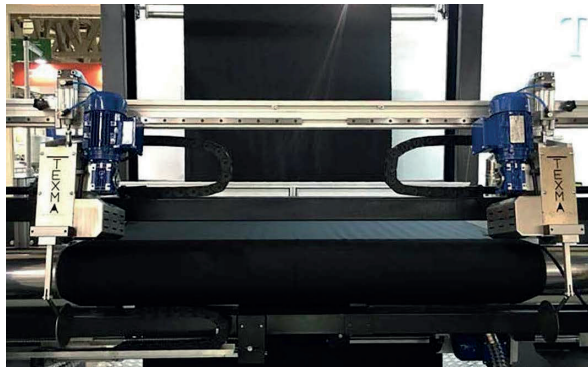




## MACHINERY FOR SEWING OR SLITTING OF SYNTHETIC FABRICS



Overlock sewing station or fringed trimmed, speed up to 24 mt/min.



Hot cutting system for synthetic fabrics, speed up to 60 mt/min.



Overlocked.



Only fringed trimmed.



Hot cutting.

## HOT KNIFE SLITTING GROUP FOR SYNTHETIC FABRICS

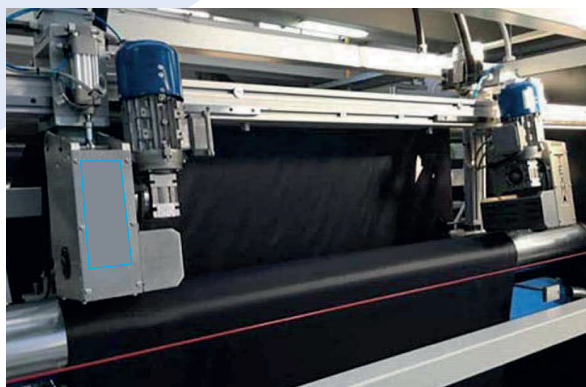


Installation at the exit of the stenter or on the weft straightener machine.

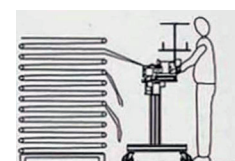
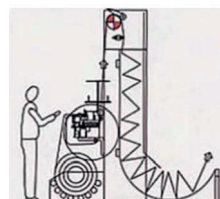
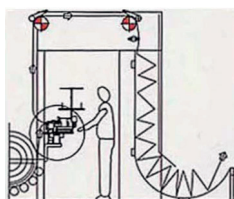
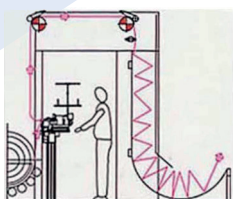




## HOT KNIFE SLITTING LINE FOR SYNTHETIC FABRICS



## LINEAR RAIL MACHINERY FOR AUTOMATIC SEWING FOR NEAT AND ACCURATE ROLL JOINING



Version with Juki, Merrow, Titan or Chain stitch sewing machines.



Version with cutter for heavy fabrics.





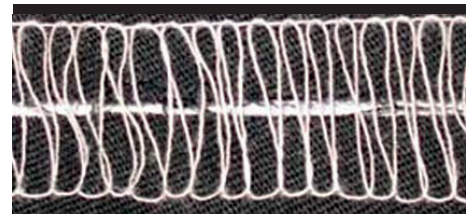
## J CUT SEWING MACHINES JUKI



20mm



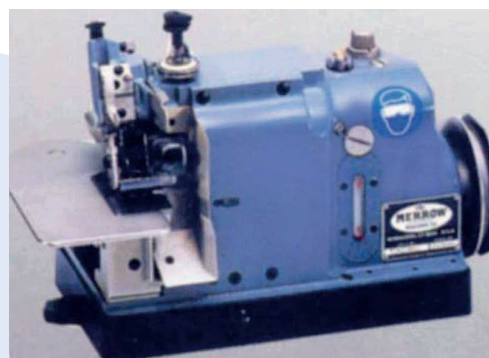
JUKI MO6903G.



Moveable carriage in aluminium and stainless steel, with battery power supply, electric or pneumatic.

Juki sewing machine 1 needle 2 threads for flat stitch, speed up to 4500 rpm.

## M CUT SEWING MACHINES MERROW



70D3B-2.

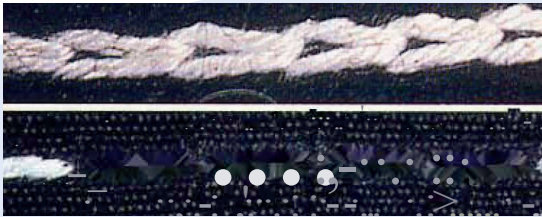


Moveable carriage in aluminium and stainless steel, with battery power supply, electric or pneumatic.

Merrow sewing machine 1 needle, 1 thread for flat stitch, speed up to 2500 rpm.



## C SEWING MACHINE CHAIN STITCH



Chain stitch 2 needles, 2 threads



Chain stitch sewing machine 1 needle, 1 thread or 2 needles, 2 threads.



## PORTABLE SEWING MACHINE CHAIN STITCH

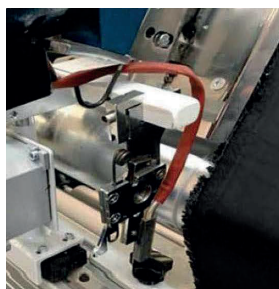
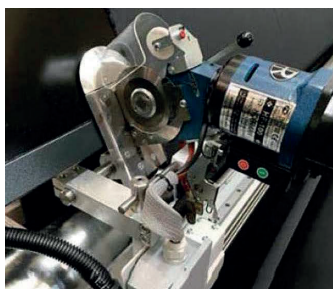
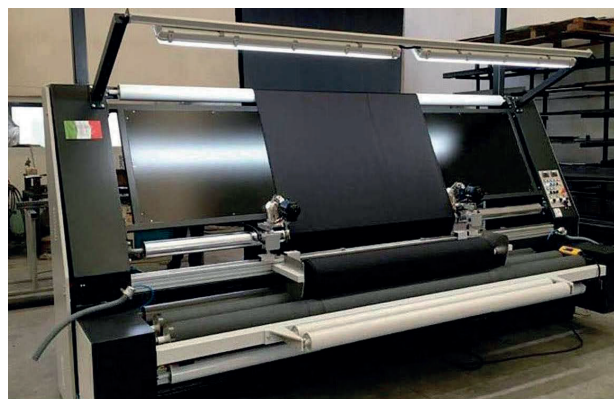
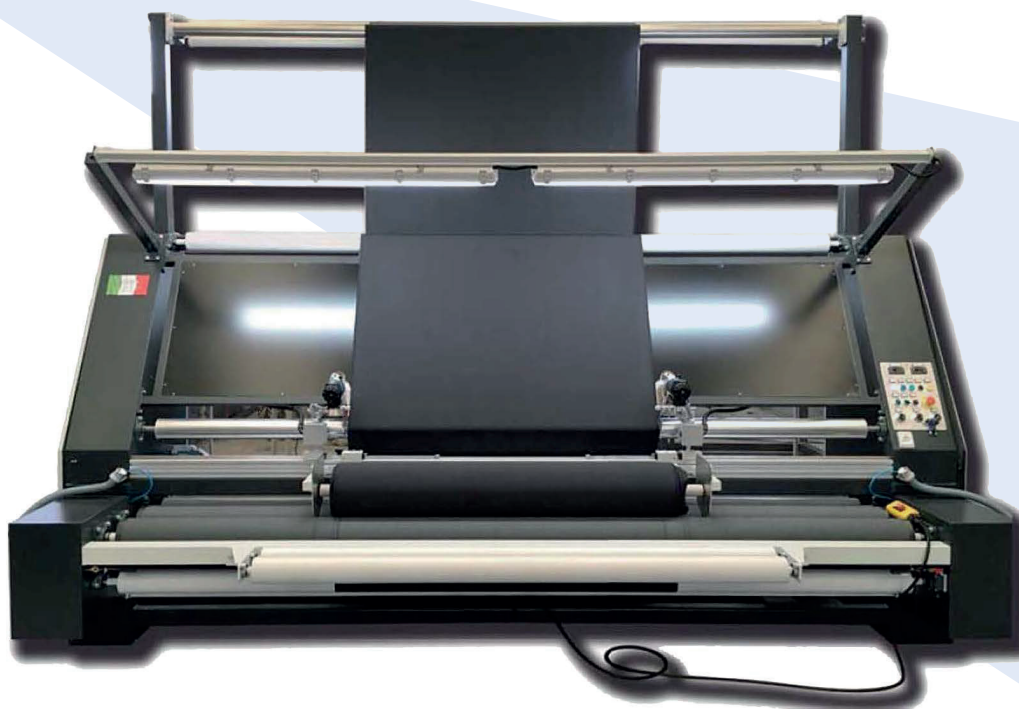


Power supply 220v or 24v or battery.

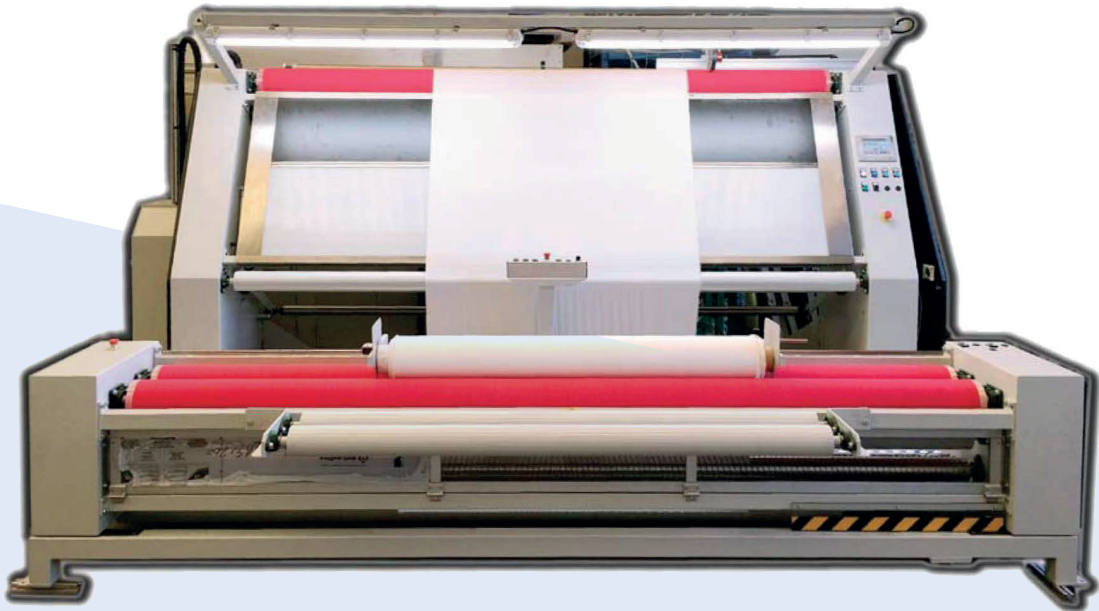




## INSPECTION MACHINERY



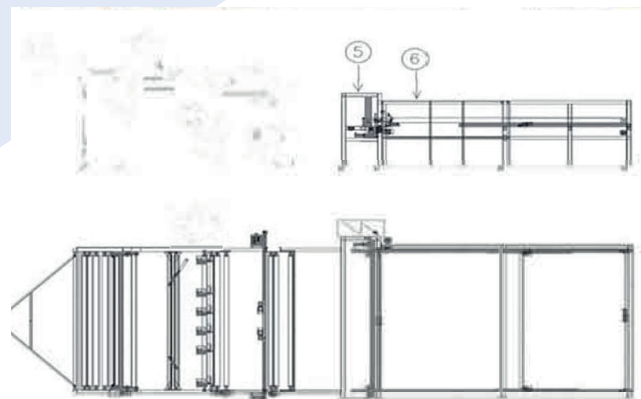
## INSPECTION MACHINERY WITH ROLL BATCHING





## NEW MACHINERY FOR LENGTH HEMMING AND CROSS CUTTING ON THE PRINTED CROOKED LINE WITH CORRECTION

- Entrance in roll, big roll or folding form centering devices.
- Length cutting station.
- Hemming station.
- Cross cutting on printed line with correction stacking device with incremental platform.

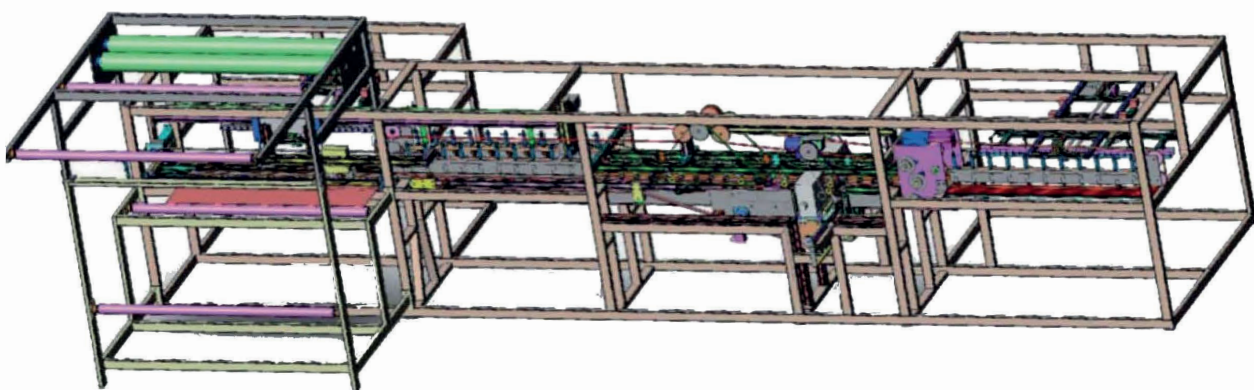
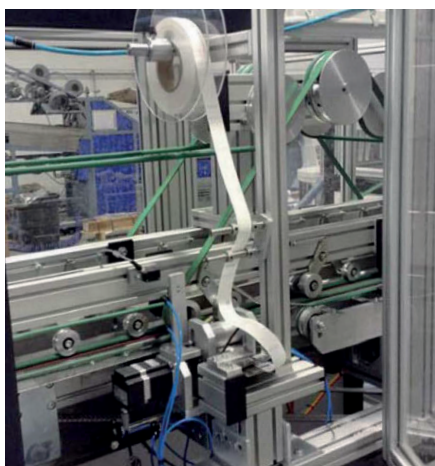
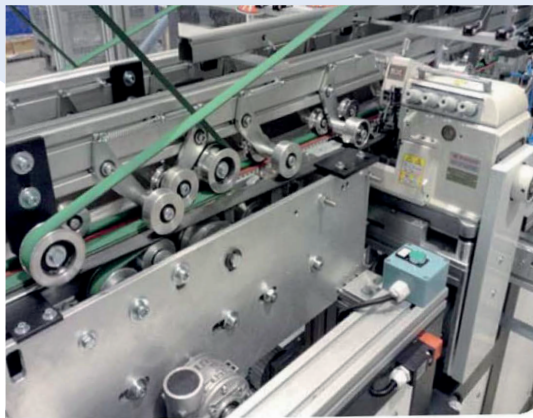


## CROSS HEMMING LINE

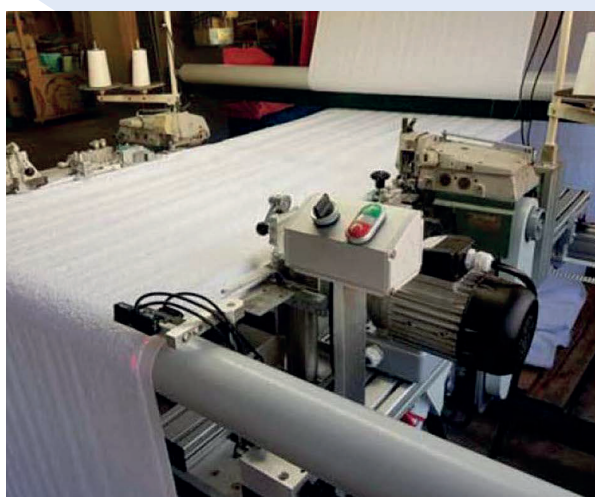




## CROSS HEMMING LINE



## LENGTH HEMMING MACHINERY FOR TEA TOWELS/NAPKINS ETC

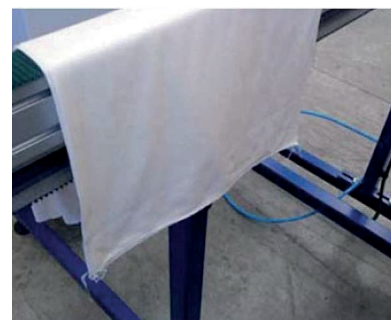
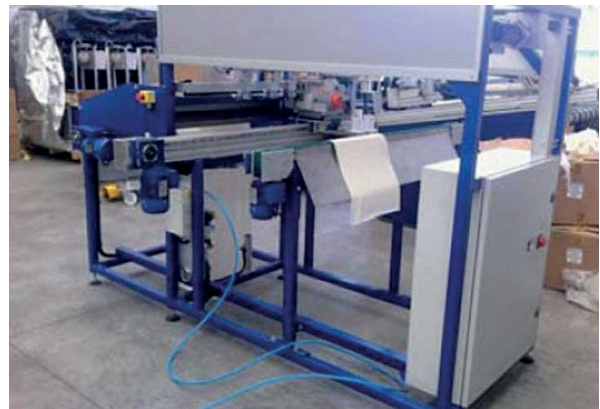
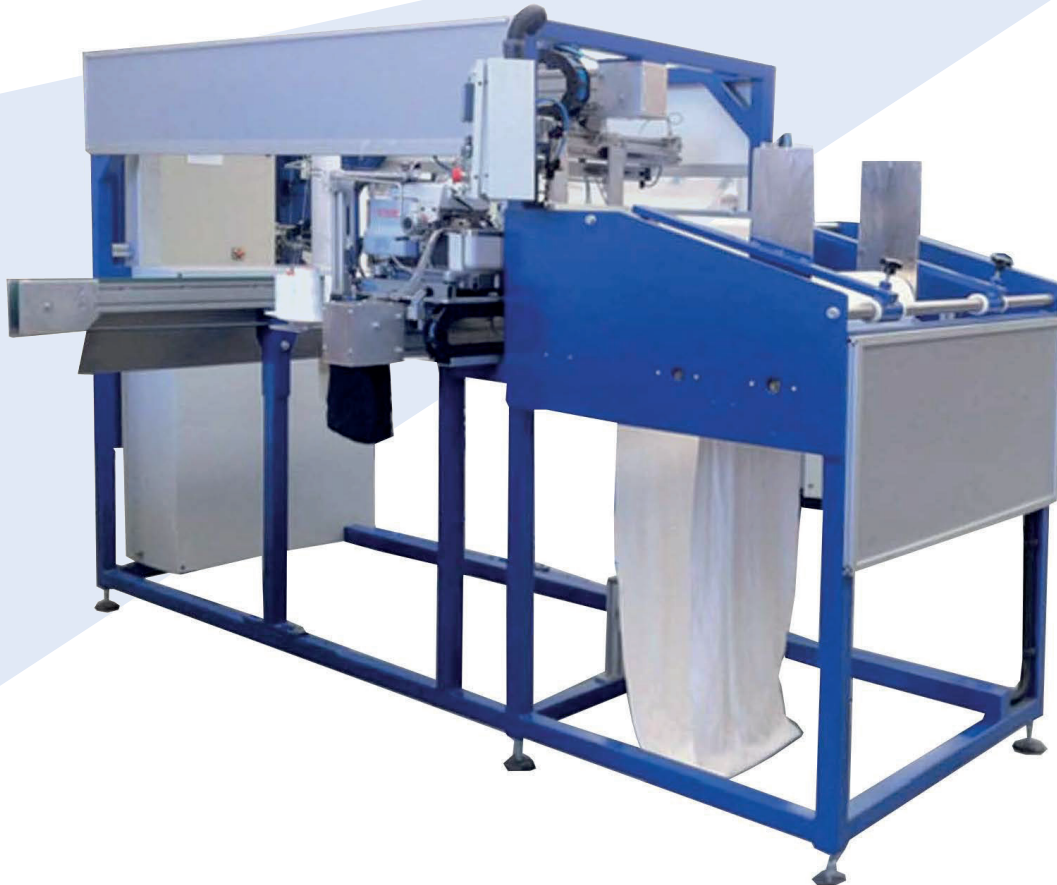




## MACHINERY TO JOIN TWO OR MORE FABRICS BEFORE DYEING AND FINISHING

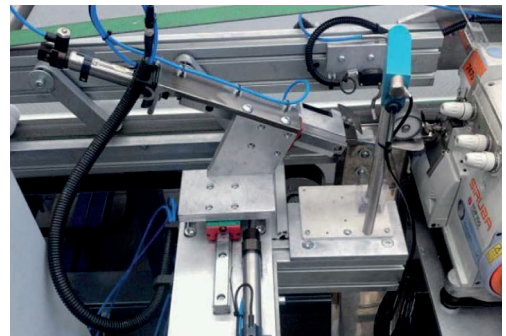


## AUTOMATIC MACHINERY FOR PILLOW COVERS/CUSHIONS ETC



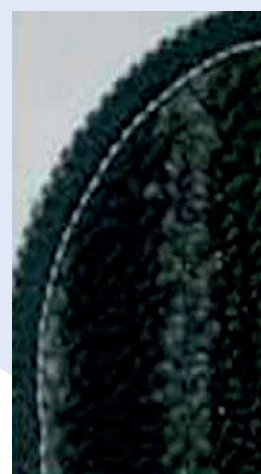
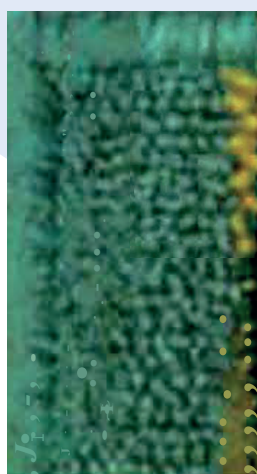
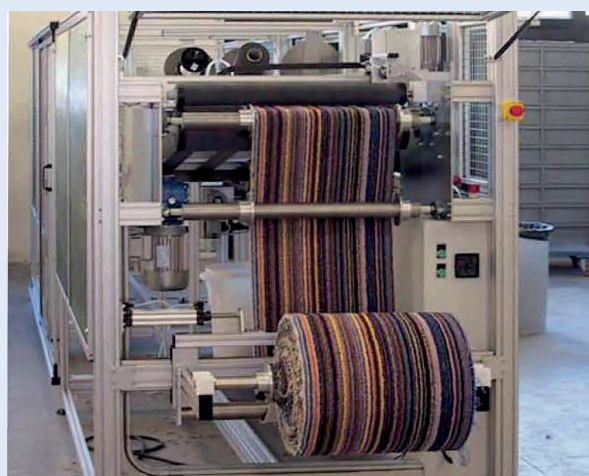


## MACHINERY TO JOIN TWO OR MORE FABRICS BEFORE DYEING AND FINISHING ETC





## AUTOMATIC MACHINERY TO CUT AND OVER-EDGE CARPETS ON THE 4 SIDES





## MACHINERY FOR PILLOW/CUSHION PACKAGING ETC







# **BESPOKE UN-WIND & RE-WIND (NEW LINE) MACHINERY PARTS**

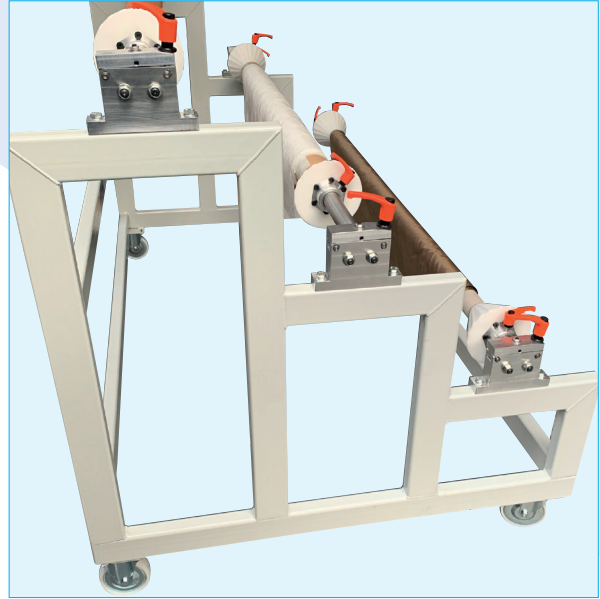


## BESPOKE ROLL UN-WIND AND ROLL REWIND SYSTEMS

Bespoke Roll Un-wind and Re-Wind systems available to fit with machinery such as:  
Flat-bed digital cutting tables, textile machinery, digital printing machines, roll slitting, inspection etc.  
Many potions available to fit with most customer needs.



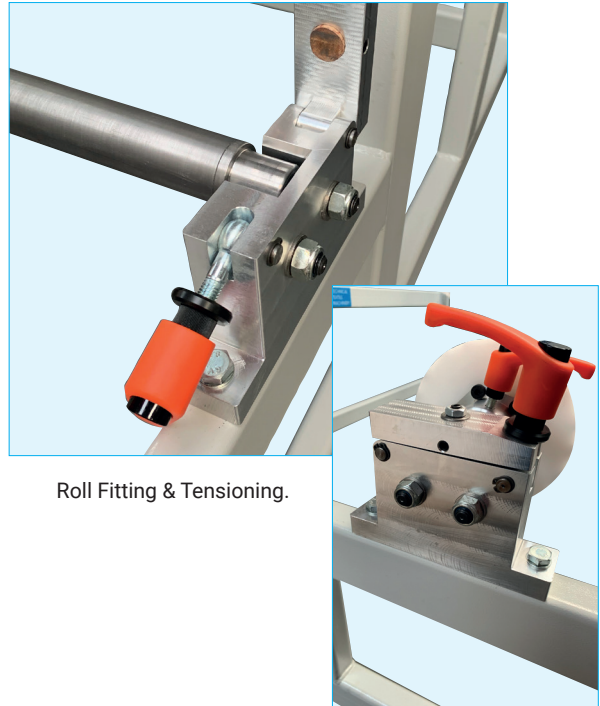
A Frame.



Bespoke Entry.



Roll Un-wind.

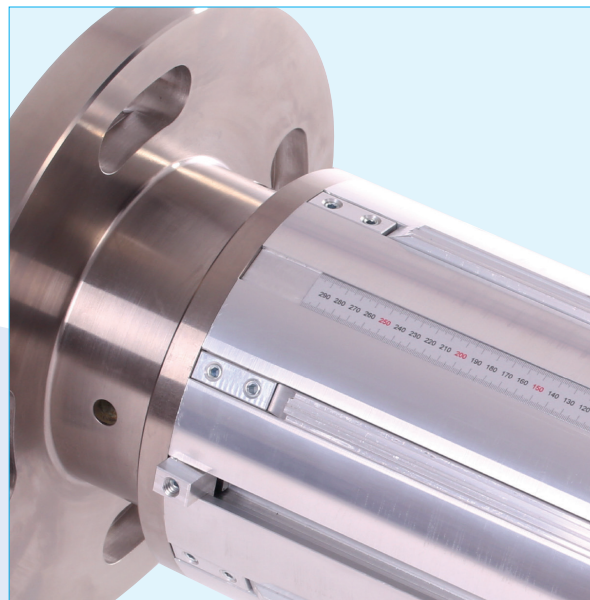


Roll Fitting & Tensioning.

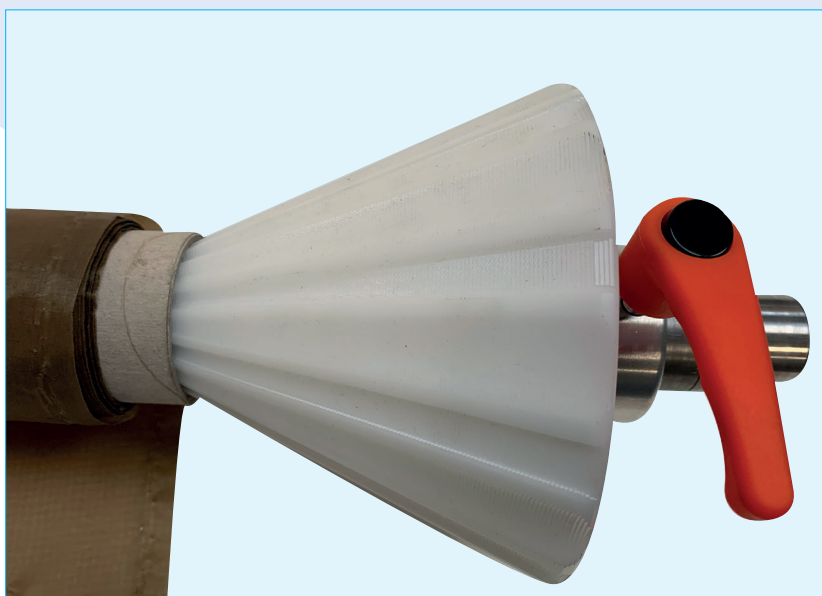
## MACHINERY PARTS



i2 A Frame.



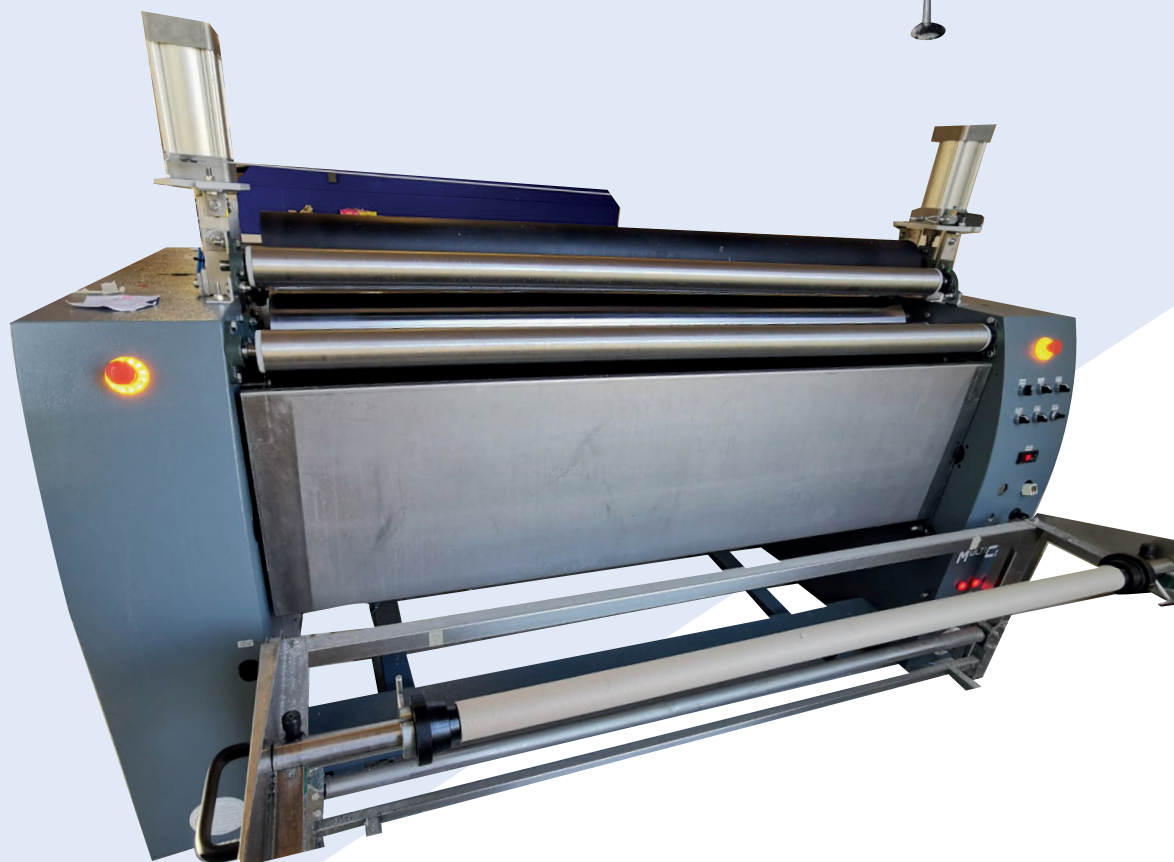
i2 Air Shaft.



i2 Cone Adaptor.



## INK-JET COATING LINE



## DYE SUBLIMATION PAPER TRANSFER MACHINE







Bespoke Machinery Design, Manufacture, Service & Support

Email: [enquiries@i2europe.co.uk](mailto:enquiries@i2europe.co.uk)

For further information and even more machinery visit our website

[www.i2europe.co.uk](http://www.i2europe.co.uk)

# Europe