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**AUXILIARY MACHINES**  
**FOR CUTTING ROOM**  
**AND BIAS**



**GENERAL CATALOGUE**

AWA

PISANI



## PRESENTATION OF THE COMPANY



Our passion is creating machinery. We have been doing it since long time.

For more than seven decades, AMP Pisani has been designing and manufacturing quality machinery for apparel and textile industries as well as for roll slitting applications and customized projects. We have been established since 1946.

Our vast product range consists of bra moulding equipments and robotic systems for trimming foam bra cups, roll slitters for any application and bias machinery.

Collarettte cutters, complementary machines for cutting room and automatic equipments for technical applications are also included in our product range.

Our skill of innovation has enabled us to achieve numerous technological innovations within the market, most of them patented.

AMP Pisani's machinery is exclusively manufactured at our facility in Italy by a skilled team of mechanics, electricians and software engineers who are able to design and manufacture customized units.

About 25.000 machines have been manufactured since our establishment.

Our headquarter and manufacturing facility is located in the city of Cilavegna, at 50 km from Milan city centre and at 40 km from Milan Malpensa International Airport.

A spare parts departments guarantee the quick delivery of spare parts and consumables (blades and grindstones) for all our equipments and our team can offer phone support, both technical an commercial, in the main European languages.

Our agents and distributors guarantee world wide distribution and technical assistance to our products.



## **AMP PISANI PRODUCTS**

### **1. MACHINES FOR MOLDING BRA CUPS AND ROBOTS**

- Fully automatic robot cutter for trimming foam bra cups
- Molding machines for foam and spacer fabrics class P88
- Molding machines for fabric with two molds class P92, P94, P96 P96/XXL P96/R170
- Single head molding machine P90 for small lots or prototyping (P90/XXL available for large sizes)
- Special molding machines for technical applications

### **2. AUTOMATIC AND MANUAL ROLL SLITTERS FOR ANY APPLICATION**

- Automatic and numerically controlled roll slitting machines class T1000/E\_LFT, T1000EX T/540 T/520EX T/500EX and automatic pneumatic model T/300EX.
- Manual roll slitting machines class T/100EX, T/50EX and T50EX\_HD

### **3. BIAS GROUP, WINDING MACHINES, PRESSING MACHINES AND OTHER EQUIPMENTS**

- BIAS GROUP for the production of bias fabrics with warp and weft at 45 degrees, available in the automatic model GCT and SPR/SYNCR0 or in the simplified model class C/2000E and SPR/2000S.
- Automatic BIAS GROUP for sewing SISAL and cotton materials for polishing discs
- Automatic winding machines class APR and manual machines class APM
- Pressing machines for ribbons and waistbands class ROTOSTIR and MINISTIR
- Hot cut machines class TX and MINICUT.
- Perforating machines for edge control ribbons class PERF

### **4. COLLARETTE CUTTING MACHINES AND BANDKNIFE**

- Automatic collarette machines class TPM
- Manual collarette machines class 972
- Automatic machines for opening and rewinding the tubular fabric class SP/160
- Band knife machines class BK

### **5. MISCELLANEOUS EQUIPMENTS**

- Automatic cutter for foam rectangles LTR/1600

Our R & D department is at your service for special applications and for customized projects

***THE BROCHURES OF ALL OUR MACHINES CAN BE DOWNLOADED***

***FROM OUR WEB SITE WEB [www.amppisani.com](http://www.amppisani.com)***



## ***AMP PISANI AUXILIARY MACHINES FOR CUTTING ROOM AND BIAS***

AMP PISANI is the world leader for project and production of bias groups as it has first introduced on the market many technological innovations like the first automatic tubesewing machine with self alignment of the selvages, the first automatic slitting machine with the complete protection of the blade and the first pressing calender for ribbons equipped with an integrated bobbin rewinding system.

The experience accumulated in over 50 years in the production of these equipments allows the company to offer a complete range of complimentary machines for bias and other operations for cutting room and to propose the best solutions for each customer.

The AMP PISANI range of auxiliary machines for bias and for cutting room consists of:

### **1 WINDING MACHINES**

- The AMP PISANI winding machines do the operation of rewinding rolls of fabric with adjustable rewinding tension. They are particularly suitable to divide fabric rolls or to rewind fabrics with adjustable rewinding tension as a preparation to slitting or to rewind without tension very elastic materials.
- The units are available in the models with automatic alignment of the selvage on one side class APR or with a manual alignment class APM. All machines are available on requests for larger fabric widths.

### **2 RIBBON PRESSING MACHINES**

- The AMP PISANI pressing machines for ribbons do the operation of folding or thermocoupling then winding (in spools or rolls) ribbons of different materials.
- All the machines are available with devices to rewind the ribbons in rolls or spools after pressing to avoid to doing this operation a second time.
- The machines are available in the model class ROTOSTIR with a calender drum or in the simplified inexpensive model with heated rolls class MINISTIR.
- Both units are available in the models equipped with devices specifically designed to press and rewind in rolls waistbands.
- The machine class ROTOSTIR is also available in the model ROTOSTIR/P specially designed to press the elastic laces and collect them in boxes and equipped with a special device to prevent the ribbons in the machine from turning yellow due to over heating when the calender stops.

### **3 HOT CUT MACHINES**

- AMP PISANI offers a complete range of hot cut machine modularly configurable for each necessity of the users. The cutting system with fixed razor-cut blade is the most common used while the exclusive heated rotary knife offers excellent cutting capabilities and welding of the edges for very thick materials.

### **4 PERFORATING MACHINES**

- AMP PISANI offers the high performance and low noise machine PERF/12 (12 ribbons) and PERF/6 (6 ribbons) to perforate the thermoadhesive reinforces of the waistbands and edge control ribbons.



## AMP PISANI RANGE OF WINDING MACHINES

MODEL	TYPE	SPEED	MAX DIAMETER	MAX LENGHT
APR/2000ES	Automatic PLC	0-60 mt/min.	50 cm (19.6")	2000 mm (78.7")
APM/2000	Manual	20 mt/min.	36 cm (14.2")	2000 mm (78.7")

All models are available on request with larger roll width

## THE AMP PISANI RANGE OF PRESSING MACHINES

RIBBON PRESSING MACHINES					
MODEL	MAX SPEED	MAX TEMP	WIDTH	MAX No. ROLLS	MAX No. BOBBINS
MINISTIR/N	50 mt/min.	150°C	160 mm	6	2
MINISTIR/1N	50 mt/min.	150°C	300 mm	6	2
WAISTBAND PRESSING MACHINES					
ROTOSTIR/C	90 mt/min.	200°C	160 mm	1	NO
MINISTIR/C	50 mt/min.	200°C	160 mm	1	NO
ELASTIC LACE PRESSING MACHINES					
ROTOSTIR/P	90 mt/min.	200°C	160 mm	10 (in boxes)	NO
ROTOSTIR/1P	90 mt/min.	200°C	300 mm	10 (in boxes)	NO





## ATTESTATO DI ESAME DI TIPO

### TYPE EXAMINATION CERTIFICATE

Visto l'esito delle verifiche condotte in conformità con:  
On the basis of our verifications carried out according to:

**Requisiti essenziali della Direttiva 2006/42/CE**  
Essential Requirements of the Directive 2006/42/EC

Si dichiara che il prodotto:  
We declare that the product:

**AVVOLGITORE AUTOMATICO PER TESSUTI**  
Automatic winding machine

Marca / Trade Mark **PISANI**  
Modello / Model **APR/ES**

Fabbricato da:  
Manufactured by:

**A.M.P. PISANI SRL**  
VIA UNGARETTI, 6/8 – 27024 CILAVEGNA (PV)

Soddisfa le disposizioni della:  
Meets the requirements of the:

Direttiva 2006/42/CE  
Directive 2006/42/EC

Riferimento pratica IMQ:  
IMQ Reference:

50AQ00138

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*P. Fusi*

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IMQ

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**APR/2000ES**

**HIGH SPEED AUTOMATIC WINDING MACHINE**



## HIGH SPEED AUTOMATIC WINDING MACHINE CLASS APR/2000ES

The automatic winding machine class APR/2000ES is the most technologically advanced product of our range of rewinding machines and allows the automatic winding of any fabric having max width 200 cm (78") with the requested tension (tension free winding also possible) with alignment on one edge and measuring of the total length of the fabric.

Machines for larger roll width can be manufactured on requests.

This machine has been designed with the utmost attention to safety features to obtain, **for the first time in the market**, from IMQ ([www.imq.it](http://www.imq.it) Italian Institute for Quality Trademarks) the **Certification of Examination "CE" for standards 2006/42/EC (Ref. IMQ/307)**. The technical file of the machine has been deposited by IMQ organization that has certified the conformity to "CE" European Community Safety Standards. This means that, while AMP PISANI issues the "CE" certification of the machine, **IMQ** (Independent organization) confirms that **the unit fulfils the requirements of the aforementioned directive**.

### TECHNICAL FEATURES

- Automatic alignment on one edge with a photocell system and adjustable rewinding speed up to 60 Mt/min with a digital inverter.
- Electromagnetic clutch with potentiometer to adjust the rewinding torque for the production of rolls of material with the requested winding tension (even tension free).
- Pneumatically adjustable fabric braking system on the winding shaft and further braking action done by the movement of the fabric through a pair of braking shafts.
- Digital programmable meter counter with slowing down before reaching the programmed length.
- Pneumatic adjustment of the pressure on both sides of the fabric winding shaft and pneumatic system to lift the fabric winding shaft for easier loading/unloading operations.
- Removable lower shaft support (for rolls to be unwound) from the front of the machine for an easier loading/unloading of heavy rolls with a forklift.
- Machine controlled by a PLC and message alarm features on the console.

### TECHNICAL DATAS

- Installed power ..... : 1,7 kW
- Voltage..... : 400V  $\pm 5\%$  50Hz 3-phases or 230V  $\pm 5\%$  60Hz 3-phases
- Compressed air ..... : 6 bar – 20 lt/h
- Winding shaft diameter ..... : Standard 49 mm. Available on request from 32 to 75 mm.
- Unwound roll dimensions ..... : Max diam. 50 cm (10") Max length 200cm (78")  
: Max weight Kg.150 (330 lbs)
- Rewound roll dimensions ..... : Max diam. 50 cm (10") Max length 200 cm (78")  
: Max weight Kg.50 (110 lbs)

N. IMQ 307 Rev. 0

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TYPE EXAMINATION CERTIFICATE

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Si dichiara che il prodotto:  
We declare that the product:

Fabbricante da:  
Manufactured by:

Soddisfa le disposizioni della:  
Meets the requirements of the:

Riferimento pratico IMQ:  
IMQ Reference:

**Requisiti essenziali della Direttiva 2006/42/CE**  
Essential Requirements of the Directive 2006/42/EC

**AVVOLGITORE AUTOMATICO PER TESSUTI**  
Automatic winding machine

Marca / Trade mark: **PISANI**  
Modello / model: **APR/ES**

**A.M.P. PISANI SRL**  
VIA UNGARETTI, 6/8 – 27024 OLAVEGNA (PV)

Direttiva 2006/42/CE  
Directive 2006/42/EC

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**APM/2000**

**FABRIC WINDING MACHINE**

## FABRIC WINDING MACHINE CLASS APM/2000

Semiautomatic winding machine class to rewind any material in roll or flat folded with a winding speed of 20 mt/min. Particularly suitable to rewind tensionless elastic materials.

### FEATURES

- Fixed winding speed 20 mt/min.
- Max dimensions of winded roll diam. 50 cm length 200 cm. Max weight kg.50. It is possible to load rolls up to 150kg .
- Alignment of the selvedge on one side with a lever that moves manually right/left the lower roll support . In this way it is possible to have rolls with the selvedge aligned.
- Clutch to adjust the rewinding tension for the production of rolls of material with the requested winding tension (even tension free).
- Removable shaft for the unwinding roll removable from the front of the machine for an easy loading of heavy rolls

### DEVICES ON REQUEST

- APM/CM           Mechanic meter counter
- APM/NEO        Neon light to inspect the fabric.
- APM/INV         Adjustable winding speed up to 40 mt/min with inverter

### TECHNICAL FEATURES

- Max roll diameter to unwind .....:50 cm
- Max roll diameter to rewind .....:35 cm
- Max roll width .....:200 cm
- Max weight of roll to unwind.....:150 kg
- Winding speed.....:20 mt/min
- Installed power .....:1,2 kW
- Voltage.....:400V  $\pm$  5% 50 Hz 3Phase + Neuter (other voltages on requests)
- Compressed air .....:Not requested



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## **ROTOSTIR/C**

**HIGH SPEED CALENDER FOR PRESSING WAISTBAND**

# HIGH SPEED CALENDER MACHINE FOR PRESSING WAISTBAND CLASS ROTOSTIR/C

High speed calender machine for folding, pressing and thermocoupling the waistbands.

## FEATURES

- Width of the calender: 16 cm (5"). Adjustable pressing speed with digital vectorial inverter up to 90 mt/min
- PID thermoregulator for temperature control with display of actual temperature. Max Temperature 250 °C
- Exclusive pressing system of the material between a heated calender and a ribbon pressed on its surface to get a FASTER pressing with a temperature lower than with conventional systems with rolls. This will improve the quality of the product and the reduction of "shining " problems in case of dark fabric with high percentage of polyester fibers
- Exclusive folding system with an inclinable roller over the folding guide to open the sewing and fold the upper ribbon of high quality waistbands without manual operations
- Winding of the pressed waistband in roll on an arm driven by a separate motor and equipped with high sensibility clutch with constant winding tension to get rolls up to diam. 50 cm even in case of variation of thickness in the waistband due to sewing or to the insertion of a ribbons with the brand.
- Adjustable universal folder for feeding the waist and on the machine to fold the upper ribbon s
- Programmable digital meter counter with automatic stop at the preset measure without data loss in case of power off.
- PLC controlled machine

## TECHNICAL DATAS

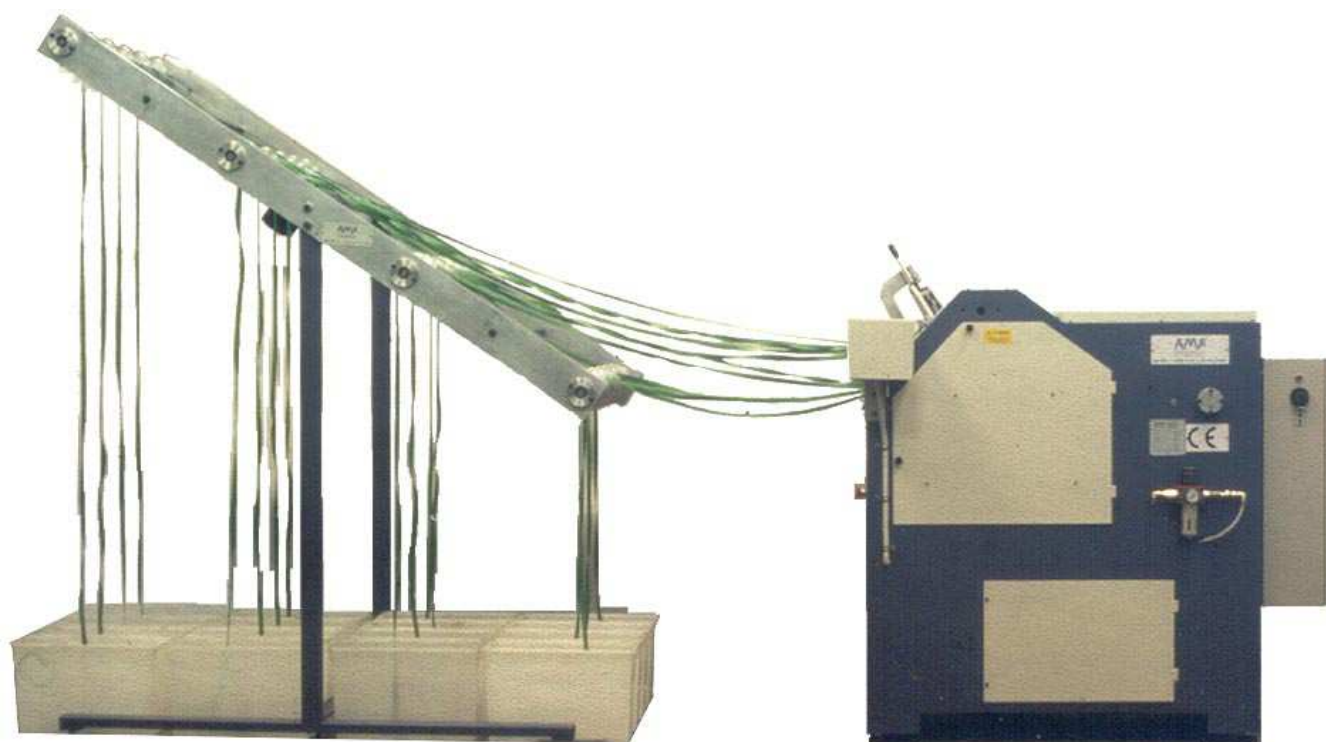
- Maximum temperature ..... :200°C
- Maximum pressing speed ..... : up to 90 mt/min.
- Maximum pressing width ..... :160 mm
- Voltage ..... :230V  $\pm 5\%$  50Hz Single-Phase
- Power supply ..... :5 kW



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## **ROTOSTIR/P**

**HIGH SPEED CALENDER FOR PRESSING KNITTED ELASTIC RIBBON**



## HIGH SPEED CALENDER FOR PRESSING ELASTIC LACES CLASS ROTOSTIR/P

High speed calender specifically designed for pressing all types of knitted elastic laces.

Width of the machine 30 cm

### FEATURES

- Adjustable pressing speed with digital vectorial inverter up to 90 mt/min
- Exclusive pressing system between an heated drum with electrical resistances and a belt around the drum to get a pressing speed much faster than conventional systems.
- PID thermoregulator for temperature control with display of actual temperature. Max Temperature 250 °C
- Programmable digital meter counter with automatic stop at the preset measure without data loss in case of power off.
- Automatic feeder of the ribbons towards the pressing units to avoid the material to get tangled
- Device to collect in boxes the pressed ribbons.
- Compressed air tank for automatic air cooling system of the calender in case of machine stop (even in case of power fail). This will prevent the ribbons inside the machine from turning yellow.
- PLC controlled machine
- Machine **ROTOSTIR/P** with max width of calender 16 cm (6.5") available on request

### TECHNICAL DATAS

- Maximum temperature ..... :200°C
- Maximum pressing speed ..... :up to 90 mt/min. (up to 900 mt/min with 10 ribbons)
- Maximum pressing width ..... :300 mm
- Voltage ..... :400V  $\pm 5\%$  50Hz 3-phases
- Power supply ..... :8 kW
- Compressed air pressure ..... :6 bar 300 liters/hour



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## MINISTIR-N

PRESSING MACHINE WITH HEATED ROLLERS FOR RIBBON

# PRESSING MACHINE WITH HEATED ROLLERS FOR RIBBONS CLASS MINISTIR-N

Modular machine to press in a simple and economic way all the ribbons and then to deposit them in boxes or to rewind them in rolls or in bobbins if equipped with devices on requests.

## FEATURES

- Adjustable pressing speed with digital vectorial inverter up to 50 mt/min. Max pressing temperature 150 °C
- Pressing width 20 cm (8"). Machine MINISTIR/1 with max roller width 30 cm (12") available on request
- Machine consists of four rollers one upon the other with one central roller heated with electric resistances. Can be equipped with optional devices depending on the requirements.
- Pneumatically adjustable of the pressing pressure independent on the two sides of the rollers with manometer to display the actual pressure on each side.
- Device MINISTIR/R to have both central rollers heated available on requests
- Max Temperature 150 °C. Digital PID thermoregulator for temperature control of each roller with the possibility to set two different temperatures (single temperature control), one for each roller, in case of machine equipped with device MINISTIR/R.
- WARNING: Machine supplied without folders
- Programmable digital meter counter with automatic stop at the preset measure without data loss in case of power off.
- PLC controlled machine

## DEVICES ON REQUESTS:

MINISTIR/R	Heating of the second central roller with electric resistances
MINISTIR/B	Device to rewind the ribbons in two bobbins
MINISTIR/N	Device to rewind the ribbons in rolls (up to 2 rolls – 4 rolls on requests)

## DATI TECNICI / TECHNICAL DATAS

- Maximum speed :50 mt/min.
- Maximum temperature :150°C
- Max pressing width :200 mm
- Power : 220 V Single Phase MINISTIR 2.5 kW - MINISTIR/B0,4 kW



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## MINISTIR-C

PRESSING MACHINE WITH HEATED ROLLERS FOR WAISTBAND

## PRESSING MACHINE WITH HEATED ROLLERS FOR WAISTBAND CLASS MINISTIR-C

Pressing machine with heated rollers specifically projected to press, thermocouple and rewind all types of waistbands.

### FEATURES

- Adjustable pressing speed with digital vectorial inverter up to 50 mt/min. Max pressing temperature 150 °C
- Pressing width 20 cm (8").
- Machine consists of four rollers one upon the other with one central roller heated with electric resistances.
- Pneumatically adjustable pressing pressure independent on both sides of the rollers with manometer to display the actual pressure on each side.
- Device MINISTIR/R to have both central rollers heated available on requests.
- Digital PID thermoregulator for temperature control of each roller with the possibility to set two different temperatures (single temperature control), one for each roller, in case of machine equipped with device MINISTIR/R.
- WARNING: Machine supplied without folders
- Programmable digital meter counter with automatic stop at the preset measure without data loss in case of power off.
- PLC controlled machine

### DEVICES

MINISTIR/R	Heating of the second central roller with electric resistances
MINISTIR/G	Universal folder for waistband
MINISTIR/C	Device to rewind the waistband in rolls

### TECHNICAL DATAS

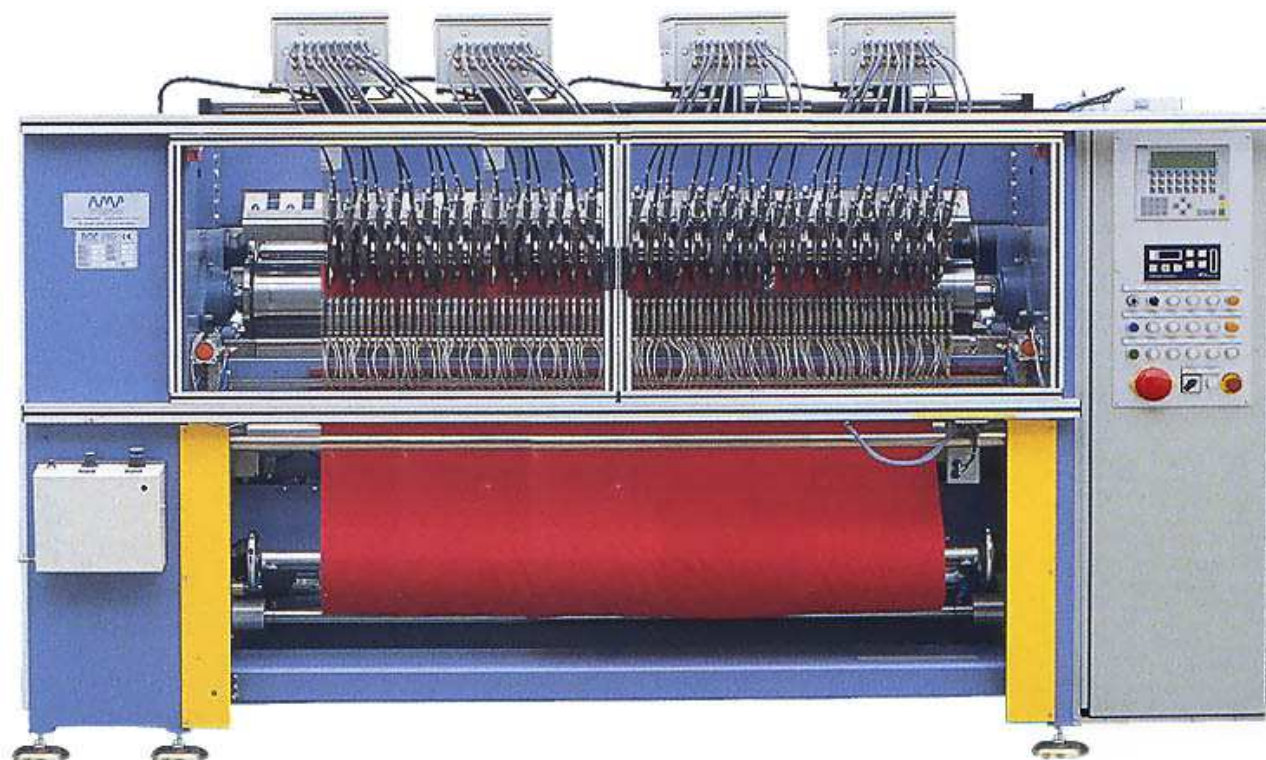
- Max Speed :50 mt/min.
- Max Temperature :150°C
- Max pressing width :200 mm
- Installed power : 2,5 kW 220 V Single Phase



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**TX/1800**

**HOT AND COLD SLITTING/REWINDING MACHINE**



# HOT AND COLD SLITTING/REWINDING MACHINE CLASS TX/1800

The high productivity slitting/rewinding unit for hot and cold cut class TX/1800 can slit most of materials in roll (polyester, nylon, plastic, paper, films, laminated, non woven, PVC and so on) including tension sensitive material.

The versatility of the unit enables easy slitting of virtually all materials with:

- a) Crush-cut rotary blades or razor knives for hot cut
- b) Cold cut rotary blades

The machine is modular and it is possible to equip it with different combinations of knives depending on the customer's use and it is also available for roll widths larger than the standard.

## TECHNICAL FEATURES

- Unwinding section for rolls up to diam. 40cm or 16" / max width 180 cm or 71" (machines with widths up to 300cm and larger roll diameters are possible on requests) and a rewinding section on two shafts for the cut material.
- The unwinding system of the fabric roll to be slit is equipped with an electromagnetic brake to adjust the unwinding tension.
- The cut rolls are rewound on two expanding shafts equipped with electromagnetic clutch to adjust the rewinding tension with a special automatic rewinding tension control system that guarantees a constant rewinding tension while the rewound rolls increase their diameter during the cutting operation.
- A vacuum system can remove the selvage on the two sides of the roll.
- The shaft support for the slit rolls is equipped with a pneumatic device to lock quickly all the cardboard cores and it is possible to remove from the machine to avoid stopping production downtimes during the loading/unloading operations.
- The cutting width is obtained by positioning the knives on a rack using special gauges that can make this operation quicker.
- A photocell stops the machine before the fabric is finished (for an easy threading of the machine with new fabric that can be joined to the end of the previous fabric).
- The cut is achieved by the knives on an HSS hardened steel bush of large diameter that supports the cutting blades.
- The pressure of the knives on the fabric, the temperature, the cutting speed and the rewinding tension are adjustable.

The heated knives are available in 2 models:

**TC/HRT** Hot cut circular rotary blades "crush-cut" with single temperature control, built-in thermocouple on each resistance and single up/down movement with pneumatic cylinder for each blade

**TC/HFX** Razor-cut knife for hot cut with one thermocouple to control the heating of all knives.

- The heated knives are grouped on two different supports, one for the razor cut knives TC/HFX and one upper beam with two opposite rows either for the heated crush-cut rotary blades TC/HRT or for the cold crush cut rotary knives TC/CLD
- Single positioning of the rotary blades TC/HRT on the fabrics with a pneumatic cylinder for each device and possibility to store and retrieve in the memory of the computer which controls the cutting configuration.
- The fixed knives TC/HFX are mounted on a support that moves towards the fabric with pneumatic displacement.
- The machine can be equipped with a maximum of 80 rotary knives class TC/HRT and 90 knives class TC/HFX and TC/CLD.
- PLC controlled machine equipped with an operator panel for online troubleshooting and data settings ( meter counter and temperature). It is also possible to display the actual temperature values on each crush cut rotary knife TC/HRT.

## DEVICES ON REQUEST

- TX/AAL Automatic alignment system with photocell for the unwinding section of the roll with possibility to disable it.
- TX/BMR Beam for support of the crush cut heated rotary knives
- TX/CRS Electronic system with single temperature control for heated crush-cut knives TX/HRT
- TX/SHA Extra roll shaft support with diameter on requests

## TECHNICAL DATAS

MACHINE	Cutting speed .....:adjustable up to 80 mt/min. Max roll diameter to cut .....:40 cm / 16" (larger diameter on requests) Max diameter of the cut roll .....:40 cm / 16" (larger diameter on requests) Voltage .....:400V 50Hz 3-phases+N+PE (other on request) Max roll width .....:180 cm / 71" (larger width up to 300cm/118" on request) Max roll weight .....:Kg. 200
TC/HRT	HEAT CUT ROTARY KNIFE Maximum temperature on the knife..:330°C Maximum cutting pressure .....:up to 4bar Minimum cutting width .....:10mm-6/16"(knives on two rows) .....:20mm-12/16"(knives on one rows) Maximum cutting speed .....:30 mt/min - 33 yards/min Digital temperature control on each knife
TC/HFX	RAZOR CUT HEAT CUT KNIFE Maximum temperature on the knife .:600°C Minimum cutting width .....:10 mm - 6/16". Maximum cutting speed .....:80 mt/min - 88 yards/min
TC/CLD	COLD CUT CIRCULAR ROTARY KNIFE Max cutting pressure .....:up to 8 bar Minimum cutting width .....:16mm-10/16" (knives on two rows) .....:8mm-5/16" (knives on one row) Maximum cutting speed .....:80 mt/min - 88 yards/min



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## MINICUT/E

HOT CUT MACHINE FOR RIBBONS

## HOT CUT MACHINE FOR RIBBONS CLASS MINICUT

The hot cut machine class MINICUT can heat cut most of materials in roll with heated razor-cut knives.

### DESCRIPTION

- Unwinding device for rolls up to diam. 40 cm x 180 cm and rewinding section of the cut ribbons on a pneumatic expanding shaft
- Electromagnetic brake to adjust the unwinding tension and electromagnetic clutch to adjust the rewinding tension of the cut ribbons with a potentiometer.
- The rewinding shaft consist of a pneumatic expanding bar for a fast lock of the cardboard core with possibility to remove it completely from the machine for easier loading/unloading operations.
- Cutting width adjustable by moving the heated knives along their support eventually using spacers for a faster positioning.
- Machine standard equipped with a presettable meter counter plus a fabric end photocell.
- Cut done by pressure of the razor-cut knives on a hardened steel roller of large diameter.
- Knife temperature, cutting speed and rewinding tension are adjustable.
- Machine can be equipped of up to 40 hot razor knives class TC/HFX.

### DEVICES ON REQUESTS

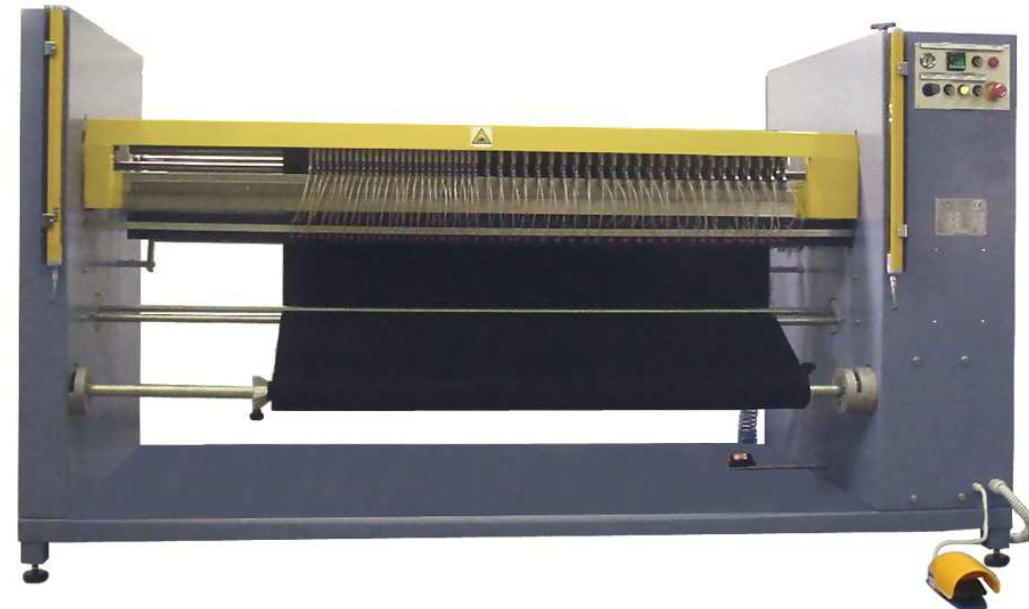
**MINICUT/SHA** Extra pneumatic rewinding shaft with diameter on requests.

**TC/HFX** Hot razor-cut knife

**MINICUT/CNT** Electronic presettable meter counter + fabric end photocell

### TECHNCAL SPECIFICATIONS :

- Cutting speed	: Adjustable up to 40 mt/min.
- Max roll diameter	: 40 cm
- Max fabric width	: 180 cm (wider machines available on requests)
- Max temperature on the knife	: 450° C
- Minimum cutting width	: 10 mm
- Installed power	: 2.2 kW + 0.2 kW for each blade 380 V 3-phase 50Hz (other voltages on requests)



**DETAIL OF REAR SIDE OF THE MACHINE**



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## PERF/12

AUTOMATIC PERFORATING MACHINE FOR 12 RIBBONS

## **AUTOMATIC PERFORATING MACHINE CLASS PERF/12**

Automatic perforating machine for thermoadhesive non woven ribbons. The PERF/12 can process up to 12 ribbons, normally for the internal reinforces of the waistband.

### **TECHNICAL FEATURES**

- Unwinding device for 12 ribbons with roll end microswitch for each roll as standard.
- Perforating machine with low noise crankshaft mechanism including easy adjustment of the perforating pitch whilst the machine is running.
- Pneumatic adjustable puller for feeding the fabric.
- Rewinding device for 12 ribbons with in built, clutch mechanism for each rewinding shaft to give perfect results for each type of material.
- Mold with 3 adjustable rectangular dies, 25 x 2 mm, a displacement of 10 mm from each other, and an independent adjustment of the distance between the dies (different dies on request).
- Fixed perforating speed 140 cycles/min (slow start, built, to maximum speed).
- Adjustable speed with inverter on request.
- PLC controlled machine

### **DEVICES ON REQUESTS**

- PERF12/INV      Adjustable perforating speed with inverter up to 440 cycles/min
- PERF12/CNT      Electronic digital metercounter

### **TECHNICAL DATAS**

- Perforation pitch .....:from 10 to 50 mm
- Ribbon width .....:from 20 to 150 mm
- Max roll diameter .....:300 mm
- Installed power .....:1,5 kW 400V 50Hz 3-phases (other voltages on request)
- Dimensions and net weight .....:5500 x 800 mm, 920 Kg



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**PERF/6**

**AUTOMATIC PERFORATING MACHINE**



## **AUTOMATIC PERFORATING MACHINE CLASS PERF/6**

Automatic perforating machine for thermoadhesive non woven ribbons. The PERF/6 can process up to 6 ribbons, normally for the internal reinforces of the waistband.

### **TECHNICAL FEATURES**

- Unwinding device for 6 ribbons with roll end microswitch for each roll as standard.
- Perforating machine with low noise crankshaft mechanism including easy adjustment of the perforating pitch whilst the machine is running.
- Pneumatic adjustable puller for feeding the fabric.
- Rewinding device for 6 ribbons with in built, clutch mechanism for each rewinding shaft to give perfect results for each type of material.
- Mold with 3 adjustable rectangular dies, 25 x 2 mm, displacement of 10 mm from each other, and an independent adjustment of the distance between the dies (different dies on request).
- Fixed perforating speed 140 cycles/min (slow start, built, to maximum speed).
- Adjustable speed with inverter on request.
- PLC controlled machine

### **DEVICES ON REQUESTS**

- PERF12/INV      Adjustable perforating speed with inverter up to 440 cycles/min
- PERF12/CNT      Electronic digital metercounter

### **TECHNICAL DATAS**

- Perforation pitch .....:from 10 to 50 mm
- Ribbon width .....:from 20 to 150 mm
- Max roll diameter .....:300 mm
- Installed power .....:1,5 kW 400V 50Hz 3-phases (other voltages on request)
- Dimensions and net weight .....:5500 x 800 mm, 920 Kg