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BIAS GROUP MACHINES
GENERAL CATALOGUE



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.

Collarette 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 and 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 class P90 for small lots and 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/ELFT, T/1000E T540 T520 T/500 and automatic pneumatic model T/300E.
- Manual roll slitting machines class T/100E, T/50E and T/50HD

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 class 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
- Automatic system to cut and sew rectangles of fabric class LTP/1800

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

IT IS POSSIBLE TO DOWNLOAD THE BROCHURES OF ALL THE MACHINES

FROM OUR WEB SITE WEB www.amppisani.com



BIAS GROUP MACHINES

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 40 years in the production of these equipments allows the company to offer a complete range of machines for each production and to propose the best solutions for each customer.

The AMP PISANI products to manufacture rolls of bias fabric are divided in:

1 HIGH SPEED FULLY AUTOMATIC BIAS GROUP "SYNCHRO"

- The system consists of an automatic tubesewing machine class GCT for seaming of open fabric into a tube with automatic selvedge alignment plus an automatic biascutting machine class SPR for biascutting (spiral cut with a bias angle from 38 to 52 degrees) of tubular fabric. The result of this production process is a roll of fabric in bias ready to be cut on a slitting machine.
- The machines are available in different models for different width of open fabric and they may be equipped with a complete set of optional devices to adapt to each type of material.
- Over 1.300 bias groups have been manufactured and this system become the standard for each manufacturer.
- A fully automatic model for producing bias from heavy materials such as SISAL is available on requests

2 SIMPLIFIED BIAS GROUP CLASS MINIBIAS

- The system is composed of a manual tubesewing machine class C/2000E for seaming the open fabric up to 200cm (78 inches) in a tube and by a multifunction machine class SPR/2000S for the operations of bias cut and rewinding.
- This combination of machines is particularly suitable for end users of small quantities of bias ribbons and when the labor cost does not justify the use of a fully automatic system.



THE AMP PISANI RANGE OF BIAS GROUPS

TUBESEWING MACHINES				
MODEL	TYPE	SEWING SPEED	FABRIC WIDTH	MAX ROLL DIM
GCT/SYNCRO_2500	Automatic (PLC)	0-12 mt/min.	70-250 cm	diam.30 x 250 cm
GCT/SYNCRO	Automatic (PLC)	0-12 mt/min.	70-200 cm	diam.30 x 200 cm
GCT/2500S	Semiautomatic	6.5 mt/min. ⁽¹⁾	70-250 cm	diam.30 x 200 cm
GCT/2000S	Semiautomatic	6.5 mt/min. ⁽¹⁾	70-200 cm	diam.30 x 200 cm
C/2000E	Semiautomatic	6.5 mt/min.	70-200 cm	diam.30 x 200 cm

⁽¹⁾ up to 8.5 mt/min with GCT/INV device

BIASCUTTING MACHINES			
MODEL	TYPE	SPEED	TUBULAR DIMENSIONS
SPR/SYNCRO150 ⁽¹⁾	Automatic (PLC)	0-60 mt/min	35 - 150 cm
SPR/SYNCRO	Automatic (PLC)	0-60 mt/min	35 - 110 cm
SPR/2000S	Automatic	20 mt/min	45 - 110 cm

⁽¹⁾ Special unit heavy duty. Machines SPR/SYNCRO and SPR/2000S are units normally used



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GCT/SYNCRO

AUTOMATIC TUBESEWING MACHINE

INTRODUCTION

The new numerically controlled automatic bias group SYNCRO BIAS A.M.P. Pisani represents the most technologically advanced system to manufacture bias fabric rolls and offers a wide set of functions that makes it unique in the markets.

The numerical control permits to vary the stitch length in the tubesewing machine or to synchronize perfectly the unwinding device in the biascutting unit.

The units of the system are:

- GCT/SYNCRO Automatic tubesewing machine 70-200 cm
- SPR/SYNCRO Automatic biascutting machine diam. 55-110 cm

The fabric roll in bias can be cut in strips with one of our automatic (4 models) or manual (3 models) roll slitting machine

AUTOMATIC TUBESEWING MACHINE CLASS GCT/SYNCRO

The high speed fully automatic tubesewing machine class GCT/SYNCRO sews the open fabric into tubular form. The unit automatically sews the fabric with the following steps:

- Automatic aligning of the selvages before seaming
- Sewing in a tubular form with chain stitch, lockstitch or overlock and also with ultrasonic seaming and possibility to adjust the stitch length.
- Edge trimming of the selvedge to get a constant width of the margin and vacuum system to remove the cut fabric
- Folding and pressing of the seam edge with a special guide and rewinding of the fabric in roll (or flat folded deposit in a box)

STANDARD DEVICES

- Digital inverter to adjust the sewing speed up to 12 mt/min (13 yard/min) depending on the stitch length (see table below)
- Puller for the seamed tubular with pneumatic adjustment of the pressure.
- Electronic sensor to stop the machine in case of thread breakage in the sewing machine
- Pressing system of the seam edge with digital electronic temperature control and possibility to adjust the ironing pressure
- Numerical control to adjust the stitch length (1,5 or 2,0 or 2,5 mm) with separate AC drive to control the puller of the seamed tubular.
- New photocell system for the automatic alignment of the selvages with automatic centering of the roll in the middle of the folding triangle and adjustable inclination rollers for final alignment of the selvages.
- Fabric end stop with photocell system
- Servomotors for the lateral movement of the roll support and for vertical positioning of the open fabric roll.
- Automatic lock of the vertical roll shaft to the upper support for an easier loading of the machine
- Programmable meter counter with machine stop in case of empty bobbin (for lockstitch machine), fabric end and counter of the daily production.
- PLC controlled machine with message alarm features on the console and report for the daily production.

DEVICES ON REQUESTS

- GCT/JERSEY
Feeding device with rollers for knitted fabrics (light jersey) with possibility to adjust the feeding speed before the sewing head for a perfect seaming without tension
- GCT/FALD
Device to collect flat folded the seamed tubular
- GCT/LOAD
Servomotor with gearbox to lift vertically the open fabric roll support(max weight kg.50) from the horizontal loading position to avoid the fatigue of the operator
- GCT/TRI
Extra feeding triangle to feed the machine with flat folded open fabric in pallet

TECHNICAL FEATURES

- Installed power: 1.8 kW + 0,55 kW (GCT/JER) + 0.18 (GCT/LOAD)
- Voltage: 380/410 V 50Hz 3-phase or 220 V 60Hz 3-phase
: [220 V 50 Hz single phase on request]
- Compressed air: 6 bar – 300 lt/h
- Rewinding shaft diameter: from 32 to 75 mm (specify at order)
- Rolls dimensions: Width from 70-to 200 cm (27¹/₂-78³/₄)
: Max. diam. 30 cm(13³/₄) Weight 50 Kg max.

MAX PRODUCTIVITY OF THE MACHINE

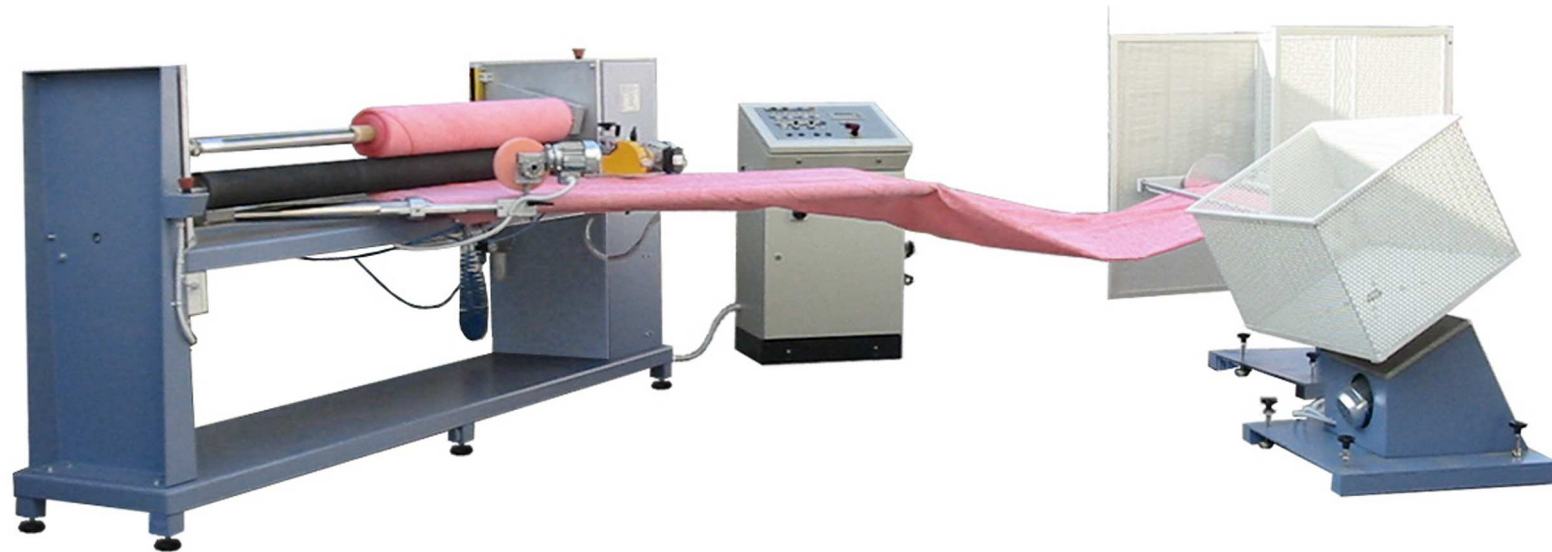
The max productivity of the unit depends on the sewing machine installed and on the stitch length (can be selected between 1,5 – 2 – 2,5 mm)

The table below indicates the max speed for a 2 mm stitch length. In case of shorter or longer stitch length the productivity will be proportionally increased or decreased.

SEWING MACHINE TYPE	STITCH LENGTH	MAX ROTATION SPEED (N/min)	MAX SEWING SPEED (Mt/min)
CHAIN STITCH	2 mm	6.000	12
LOCK STITCH	2 mm	4.200	8,4
OVERLOCK	2 mm	6.500	13



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SPR/SYNCRON

NUMERICALLY CONTROLLED BIASCUTTING MACHINE

NUMERICALLY CONTROLLED BIASCUTTING MACHINE SPR/SYNCRO

The numerically controlled biascutting machine class SPR/SYNCRO cuts automatically in bias the fabric seamed into tubular form with a GCT unit or tubular fabric (in roll or flat folded) with a preset bias-cutting angle with diameter from 35 to 110 cm (13" $\frac{3}{4}$ to 43").

The operator adjusts the bias cutting angle and enters in the machine panel the values of the tubular diameter and the biascutting angle then a numerical control system "master/slave" automatically synchronize the speed of the unwinding device with the cutting section of the machine for any cutting speed (adjustable with an inverter)

STANDARD DEVICES AND FEATURES

- Electromagnetic clutch to adjust with the highest accuracy the rewinding tension of the roll with a potentiometer
- Pneumatic opening of the two biascutting shafts and adjustment of the pressure on the fabric with possibility to lock the mechanism to eliminate any tension and safety stop micro-switch on case of closing of the two biascut shafts.
- Pneumatic adjustment of the pressure on both sides of the biascut fabric rewinding shaft.
- Pneumatic cylinder to lift the fabric pressure roller on the biascut fabric.
- Pneumatic system to lift the biascut fabric rewinding shaft for easier loading/unloading operations.
- Expanding biascutting arm of the tubular fabric with air cushion for a perfect feeding of difficult fabrics (such as some satin fabric with electrostatic problem due to the friction with the shafts)
- Rotating disk feeding device to improve the feeding of the fabric along the external expanding arm
- AC adjustable frequency drive (inverter) to adjust the biascutting speed up to 60 mt/min.
- Clockwise biascutting direction with angle adjustable from 38° to 52°

- Digital pre-settable meter counter with programmable stop with slowing down before reaching the programmed length and possibility to count the daily production of the unit
- Photoelectric barrier for sudden stop of the machine in case of accidental intrusion in the rewinding area of the machine.
- PLC controlled machine and message alarm features on the console.

DEVICES ON REQUESTS

- SPR/JERSEY
Rotary screws for the expander arms recommended for knitted fabrics
- SPR/FALD/O
Horizontal unwinding device for flat folded fabrics in plies
- SPR/FALD/V
Unwinding device for fabrics with rotary box inclined at 30°
- SPR/15SUP
Extra for machine with biascutting angle from 15° to 45°

TECHNICAL FEATURES

- Installed power : 2,5 kW
- Voltage : 400V \pm 5% 50Hz 3-phases or 220V – 60Hz 3-phase
Or 220V – 50Hz single phase (on requests)
- Compressed air : 6 bar – 300 lt/h
- Rewinding shaft diameter : From 32 to 75 mm (specify at the order)
- Roll dimensions : Tubular diameter from 35 to 110 cm
: Max tubular roll diameter 40 cm
: Max biascut fabric roll diameter.. 40 cm
: Max biascut roll width 190 cm
: Max roll weight 50 Kg.
- Biascutting speed : adjustable up to 60 mt/min



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GCT/SYNCRO_2500
AUTOMATIC TUBESEWING MACHINE

AUTOMATIC TUBESEWING MACHINE CLASS GCT/SYNCRO_2500

The high speed fully automatic tubesewing machine class GCT/SYNCRO sews the open fabric into tubular form from rolls max width 250 cm.

The unit automatically sews the fabric with the following steps:

- Automatic aligning of the selvages before seaming
- Sewing in a tubular form with chain stitch, lockstitch or overlock and also with ultrasonic seaming and possibility to adjust the stitch length.
- Edge trimming of the selvedge to get a constant width of the margin and vacuum system to remove the cut fabric
- Folding and pressing of the seam edge with a special guide and rewinding of the fabric in roll (or flat folded deposit in a box)

STANDARD DEVICES

- Digital inverter to adjust the sewing speed up to 12 mt/min (13 yard/min) depending on the stitch length (see table below)
- Puller for the seamed tubular with pneumatic adjustment of the pressure.
- Electronic sensor to stop the machine in case of thread breakage in the sewing machine
- Pressing system of the seam edge with digital electronic temperature control and possibility to adjust the ironing pressure
- Numerical control to adjust the stitch length (1,5 or 2,0 or 2,5 mm) with separate AC drive to control the puller of the seamed tubular.
- New photocell system for the automatic alignment of the selvages with automatic centering of the roll in the middle of the folding triangle and adjustable inclination rollers for final alignment of the selvages.
- Fabric end stop with photocell system
- Servomotors for the lateral movement of the roll support and for vertical positioning of the open fabric roll.
- Automatic lock of the vertical roll shaft to the upper support for an easier loading of the machine
- Programmable meter counter with machine stop in case of empty bobbin (for lockstitch machine), fabric end and counter of the daily production.
- PLC controlled machine with message alarm features on the console and report for the daily production.

DEVICES ON REQUESTS

- GCT/2/JERSEY
Feeding device with rollers for knitted fabrics for GCT/SYNCRO_2500 with possibility to adjust the feeding speed before the sewing head for a perfect seaming without tension
- GCT/FALD
Device to collect flat folded the seamed tubular
- GCT/LOAD
Servomotor with gearbox to lift vertically the open fabric roll support(max weight kg,50) from the horizontal loading position to avoid the fatigue of the operator
- GCT/TRI
Extra feeding triangle to feed the machine with flat folded open fabric in pallet

TECHNICAL FEATURES

- Installed power: 1.8 kW + 0,55 kW (GCT/JER) + 0.18 (GCT/LOAD)
- Voltage: 380/410 V 50Hz 3-phase or 220 V 60Hz 3-phase
: [220 V 50 Hz single phase on request]
- Compressed air: 6 bar – 300 lt/h
- Rewinding shaft diameter.....: from 32 to 75 mm (specify at order)
- Rolls dimensions: Width from 70-to 250 cm (27”½-100”
: Max. diam. 30 cm(13”¾) Weight 50 Kg max.

MAX PRODUCTIVITY OF THE MACHINE

The max productivity of the unit depends on the sewing machine installed and on the stitch length (can be selected between 1,5 – 2 – 2,5 mm)

The table below indicates the max speed for a 2 mm stitch length. In case of shorter or longer stitch length the productivity will be proportionally increased or decreased.

SEWING MACHINE TYPE	STITCH LENGTH	MAX ROTATION SPEED (N/min)	MAX SEWING SPEED (Mt/min)
CHAIN STITCH	2 mm	6.000	12
LOCK STITCH	2 mm	4.200	8,4
OVERLOCK	2 mm	6.500	13

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GCT/2500S

SEMI-AUTOMATIC TUBESEWING UNIT

SEMIAUTOMATIC TUBESEWING UNIT GCT/2500S

The semiautomatic tubesewing unit class GCT/2500S sews the open fabric max width 250 cm (100") into tubular form. The machine sews with minimal assistance from the operator with the following steps:

- a) Alignment of the selvages before sewing with minimal assistance from the operator.
- b) Seaming of the open fabric into tubular form with chainstitch, lockstitch or overlock sewing machine and also with ultrasonic seaming.
- c) Edge trimming of the selvages (in case of lockstitch or chainstitch sewing machine) to get a constant width of the margin.
- d) Folding and pressing of the seam edge with a set of guides
- e) Rewinding of the tubular fabric in rolls (deposit in a box flat folded with device on requests)
- f) PLC Controlled machine

DEVICES ON REQUESTS

- GCT/CM Presetable electronic meter counter (recommended for lockstitch sewing machines)
- GCT/MOT Motor to move up and down the vertical roll
- GCT/2/JER Feeding device for light and jersey fabrics for model GCT/2500S
- GCT/FALDS Device to collect the seamed tubular flat folded
- GCT/INV Adjustable sewing speed with digital inverter up to 8.5 mt/min

TECHNICAL FEATURES

- Sewing speed : 6.5 mt/min (up to 8.5mt/min with device GCT/INV)
- Max open fabric roll dimensions : diam 350x2000 mm
- Open fabric width : from 70 to 250 cm
- Rewinding shaft diameter : from 33 to 75 mm (specify at the order)
- Compressed air : 6 bar
- Installed power : 1.7 kW, 400V \pm 5% 50Hz 3-phases (other voltages on requests)



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GCT/2000S

SEMI-AUTOMATIC TUBESEWING UNIT

SEMIAUTOMATIC TUBESEWING UNIT GCT/2000S

The semiautomatic tubesewing unit class GCT/2000S sews the open fabric max width 200 cm (78") into tubular form. The machine sews with minimal assistance from the operator with the following steps:

- g) Alignment of the selvages before sewing with minimal assistance from the operator.
- h) Seaming of the open fabric into tubular form with chainstitch, lockstitch or overlock sewing machine and also with ultrasonic seaming.
- i) Edge trimming of the selvages (in case of lockstitch or chainstitch sewing machine) to get a constant width of the margin.
- j) Folding and pressing of the seam edge with a set of guides
- k) Rewinding of the tubular fabric in rolls (deposit in a box flat folded with device on requests)
- l) PLC Controlled machine

Machine is available on request in the model GCT/2500S for open fabric max width 250 cm (100").

DEVICES ON REQUESTS

- GCT/CM Presetable electronic meter counter (recommended for lockstitch sewing machines)
- GCT/MOT Motor to move up and down the vertical roll
- GCT/1/JER Feeding device for light and jersey fabrics for model GCT/2000S
- GCT/2/JER Feeding device for light and jersey fabrics for model GCT/2500S
- GCT/FALDS Device to collect the seamed tubular flat folded
- GCT/INV Adjustable sewing speed with digital inverter up to 8.5 mt/min

TECHNICAL FEATURES

- Sewing speed : 6.5 mt/min (up to 8,5 mt/min with device GCT/INV)
- Max open fabric roll dimensions : diam 350x2000 mm
- Open fabric width : from 70 to 200 cm
- Rewinding shaft diameter : from 33 to 75 mm (specify at the order)
- Compressed air : 6 bar
- Installed power : 1.7 kW, 400V \pm 5% 50Hz 3-phases (other voltages on requests)



MINIBIAS/E

SIMPLE SYSTEM TO MANUFACTURE BIAS RIBBONS

MINIBIAS/E, entry point system for production of bias ribbons with most of functions AUTOMATIC, represents the simplest solution for all the bias users that need easy and flexible machines for the production of bias ribbons.

The main features of this product are:

- a) Very easy to change types of material and simple use even for an unskilled operator.
- b) Particularly suited to manufacture small lots of material
- c) Minimum space requirement and reduced cost

The operations to manufacture a bias ribbon are:

1. Sewing of open fabric into a tube.
2. To cut the tubular fabric (biascut) to get a fabric roll with warp and weft at 45° and rewind.
3. Roll slitting to obtain ribbons of the requested width with our T/50E roll slitter

The three operations above mentioned can be completed by a pressing operation if a folded bias ribbon is required. AMP Pisani manufactures a complete range of pressing machines for this type of operation.

The units of the MINIBIAS system are:

C/2000E SEMI-AUTOMATIC TUBESEWING UNIT

The machine consists of a folding section to fold the open fabric in roll with a double horizontal folding triangle and of a tubesewing section to seam the fabric in a tubular form. The operator, sitting near the machine, does the alignment of the selvages and the machine does the seaming of the fabric in a tubular form (with chainstitch or lockstitch machine), trimming the selvedge then folding and pressing of the two cut edges.

SPR/2000S AUTOMATIC BIASCUTTING AND REWINDING UNIT

The SPR/2000S is unit that does the biascutting operations with an extra rewinding system in case the operator needs to rewind a roll on a different cardboard tube or if he needs to divide the roll. This unit is without roll slitting section therefore the customer must already have a roll slitting machine to cut the roll of fabric in strips.

The machine consists of two sections:

A) Automatic Biascutting section

The machine can biascut the tubular fabric with a biascutting angle adjustable from 38 to 52 degrees. The operator adjusts the speed of the unwinding device of the tubular fabric then runs automatically the machine. The standard unwinding section of the tubular seamed fabric is from roll (available on requests an unwinding device for flat folded tubular in a box). The unwinding section is equipped with adjustable speed motor to synchronize it with the bias cutting section of the machine. The biascut material is then rewound in rolls with adjustable rewinding tension.

B) Rewinding section

The rewinding section allows rewinding of the roll with adjustable tension but without selvedge alignment. Max dimension of roll are diam.400x1800 mm and rewinding speed is 20 mt/min.

A mechanical meter counter (on request) allows the operator to measure the fabric length of the roll.



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C/2000E

SEMIAUTOMATIC TUBESEWING UNIT

SEMIAUTOMATIC TUBESEWING UNIT CLASS C/2000E

The machine consists of a folding section to fold the open fabric (both in roll or flat folded) with a folding triangle and of a tubesewing section to seam the fabric in a tubular form.

The operator, sitting by the machine, does the alignment of the selvages and the machine does the seaming of the fabric in a tubular form (with chainstitch or lockstitch machine), trimming the selvedge and then folding and pressing of the two cut edges.

The machine is standard equipped (choice of) one of devices C2000/ROL or C2000/FAL and it is possible (at the cost) to equip the unit with both devices

DEVICES ON REQUEST

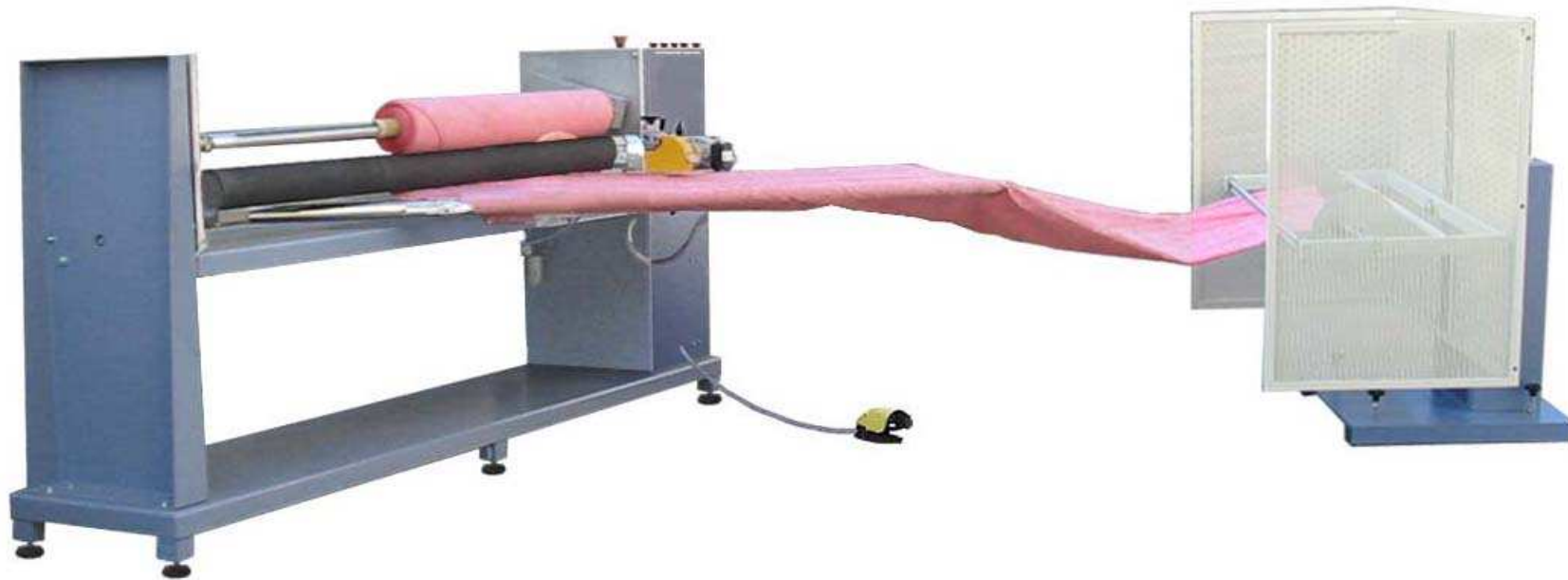
- C2000/ROL Device to rewind the seamed tubular in roll
- C2000/FAL Device to collect the seamed tubular fabric flat folded (in plies)
- C2000/ALG Photocell system for automatic alignment of the folded fabric
- APM/CM Mechanic meter counter

TECHNICAL DATAS

- Sewing speed : 6.5 mt/min
- Installed power : 0,75 kW
- Power supply : 400V \pm 5% 50Hz 3 phases (other voltages on request)
- Net weight : 250 Kg
- Max open fabric width : 200 cm
- Max roll diameter : 300 mm
- Space requirements : 210 x 300 cm



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SPR/2000S

AUTOMATIC BIASCUTTING MACHINE

AUTOMATIC BIASCUTTING MACHINE CLASS SPR/2000S

The automatic biascutting machine class SPR/2000S cut automatically in bias the fabric seamed into tubular form with a tubesewing machine or tubular with a preset bias-cutting angle with diameter from 45 to 110 cm (17³/₄ to 43").

The operator adjusts the bias cutting angle on the machine and the rotating speed of the unwinding device on a potentiometer to run automatically the machine

STANDARD DEVICES AND FEATURES

- Mechanic clutch to adjust the rewinding tension of the biascut roll.
- Device ST/WMOT inverter to adjust the rotation speed of the unwinding device for tubular to run the machine automatically standard included on the machine
- Device SPR/AIR compressed air blow system in the tubular for an easy running of the unit.
- Mechanic opening of the two biascutting shafts with adjustment of the pressure on the fabric and possibility to lock the mechanism to eliminate any tension.
- Unwinding device for tubular in rolls.
- Unwinding device for tubular flat folded (in plies) on requests (specify at the order)

DEVICES ON REQUEST

- APM/CM Mechanic meter counter
- SPR/JEX/1 Rotary screws for biascutting knitted jersey devices
- SPR/TRAS Rotating disk feeding device

TECHNICAL DATAS

- Installed power..... : 1,2 kW
- Voltage : 400V ±5% 50Hz 3 phases / 230V ±5% 60Hz 3 phases / 230V ±5% 50Hz single phase (on request)
- Compressed air : 6 bar – 100 liters/h
- Rewinding shaft diameter : from 32 mm to 75 mm (specify at the order)
- Roll dimensions : Tubular diameterfrom 45 to 110 cm
 - : Max tubular roll diameter40 cm
 - : Max biascut fabric roll diameter....30 cm
 - : Max roll weight.....50 Kg.
- Biascutting speed : 20 mt/min



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COMPLETE SYSTEM FOR SISAL AND COTTON FABRIC IN BIAS

The system consists of two units:

1.0 TUBESEWING MACHINE CLASS GCT/SISAL

Max open fabric width 200cm. Tubular sewn fabric collected in a box.

Feeding of open fabric flat folded or from roll max diam. 70 cm max weight 400 kg with cradle feed system.

Sewing speed:

a) Up to 15 mt/min with overlock for cotton. Fully automatic system

b) Up to 7.5 mt/min with special sewing machine for SISAL. Sewing with assistance from operator.

2.0 BIASCUTTING MACHINE CLASS SPR/SISAL

Fully automatic biascut of tubular fabric flat folded. Adjustable speed up to 60mt/min

Unwinding device with rotary disk at the level of the floor inserted in the basement

Machine equipped with a row of blades to split the roll of fabric in pieces of preset measure during winding operation.

No need of roll slitting (saving one operation).