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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 a 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 unit and the rotating speed of the unwinding device on a potentiometer to run automatically the machine

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 Italian Institute for Quality Trademarks) **the Certification of Conformity "CE" for standards 2006/42/EC (Ref. IMQ/353)**. 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**.

STANDARD DEVICES AND FEATURES

- Mechanic clutch to adjust the rewinding tension of the biascut roll.
- Machine standard equipped with electronic programmable meter counter
- Fixed biascutting speed (20mt/min) with digital inverter to adjust the rotation speed of the unwinding device depending on the tubular diameter to run the machine automatically
- Compressed air blow system in the tubular for an easy running of the unit.
- Pneumatic opening of the two biascutting shafts with adjustment of the pressure on the fabric and possibility to lock the shaft movement to avoid tension and safety stop micro-switch on case of closing of the two biascut shafts. Clockwise biascutting direction with angle adjustable from 38° to 52°
- Pneumatic adjustment of the pressure on both sides of the biascut fabric rewinding shaft and 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.
- Photoelectric barrier for sudden stop of the machine in case of accidental intrusion in the rewinding area.
- Unwinding device for tubular in rolls. Unwinding device for tubular flat folded (in plies) on requests (specify at the order)
- PLC controlled machine with a second PLC to control the safety devices of the unit

DEVICES ON REQUEST

- SPR/JEX/1 Extra for scroll shafts to biascut knitted and jersey fabric
- SPR/TRAS Rotating disk feeding device (in polyurethane foam)
- SPR/FLOAT/X1 Biascutting shafts with air cushion

TECHNICAL DATAS

- Installed power: 1,2 kW
- Voltage: 400V ±5% 50Hz 3 phases / 230V ±5% 60Hz 3 phases
- Compressed air: 6 bar – 100 liters/h
- Rewinding shaft diameter: 49 mm standard (from 32mm to 75mm on requests)
- Roll dimensions: Tubular diameter from 45 to 110 cm
 - : Max tubular roll diameter 40 cm
 - : Max biascut fabric roll diameter ... 30 cm
- Biascutting speed: 20 mt/min
- Max roll weight 50 Kg.

