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GCT/S MODEL 2500

SEMI-AUTOMATIC TUBESEWING UNIT

SEMIAUTOMATIC TUBESEWING UNIT GCT/S MODEL 2500

The semiautomatic tubesewing unit class GCT/2000S sews an open fabric roll max width 250 cm (100") into tubular form.

TECHNICAL FEATURES

- 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 lockstitch sewing machine or overlock (for knits).
 - c) Edge trimming of the selvages (in case of lockstitch head) to get a constant width of the margin.
 - d) Folding and pressing of the seam edge with a set of guides for different fabric thicknesses
 - e) Rewinding of the tubular fabric in rolls (or collected flat folded in a box with a device on requests)
- Digital inverter to adjust the sewing speed up to 8.5 Mt/min depending on the stitch length
- Presettable meter counter with automatic machine stop for fabric end or in case of empty bobbin (for lockstitch machine) on the touch screen panel.
- Servomotors to move up and down the vertical roll support and to move forward and back the folding triangle
- PID programmable digital thermoregulator to adjust the pressing temperature of the selvedge up to 180 °C
- PLC controlled machine with a separate safety PLC to control the safety devices and equipped with complete diagnostic software to inform the operator of any possible alarm and to display instructions to restart the unit on a touch screen graphic panel

DEVICES ON REQUESTS

- GCT/JERSEY/1 Roller feeding device for light fabrics like knits and jersey and for very heavy fabric max width 250 cm to adjust the overfeeding of the fabric before sewing and sewing it without tension.
- GCT/ FALDS Device to collect the flat folded seamed tubular in a box
- 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/ MOT Motor to adjust up/down the position of the vertical roll support

TECHNICAL FEATURES

- Sewing speed adjustable) : up to 8.5 Mt/min
- Max open fabric roll dimensions : diam 300x2500 mm
- Open fabric width : from 70 to 250 cm
- Rewinding shaft diameter : from 33 to 75 mm (*other diameters available on request from 33 to 75 mm*)
- Compressed air : 6 bar
- Installed power : 1.7 kW, 400V 50Hz 3-phase (*other voltages on requests*)