

Twin Needle Sewing System (ref. TW-50420-100)

Description: This Sewing System installed on a single leg pedestal is used to close paper and woven polypropylene (WPP) bags.

The twin needle Sewing System must hold four thread cones and must have routing for all four threads to the twin needle Head: two threads for the needles, two for the loopers.

Operation mode: The already reshaped bag is introduced into the Sewing Head by hand. The sewing process starts when the feeler switch is activated. At the end, the pneumatic chain pusher pushes the thread chain into the knives to cut it.

To have a smooth operation of the system, a conveyor is required. The conveyor can be controlled with the footswitch.

ADVANTAGES:

Provides 2 sewn lines on the bag in order to minimize/eliminate product sifting through the closure (applications: rice, fertilizers, flour, grains, sugar, malt...) and to reinforce the safety of the closure against theft and breakage!

Sewing Head characteristics:

- Pressurized self-lubricating system with external oil filter.
- Sealed in oil against dust, dirt and foreign particles.
- Gear oil pump.
- Variable pulley for an easy synchronisation with the conveyor speed.
- Twin needle version (4 threads): double stitch type 401
- Produces 2 sewn lines on the bag. The stitches between the two lines are offset to further minimize/eliminate sifting of product through the sewn closure.
- Chain cutting: shear type knife.
- Maximum speed: 1900 rpm.

Characteristics:

- Twin needle Sewing Head with shear type knife
- Manual height adjustable column: up to 500mm (ref. 4000)
- Adjustable overarm (ref. 4100)
- Pneumatic chain pusher (ref. 1725 BT)
- Stitch length: standard: 9mm – adjustable between 8 and 11mm
- Noise level: 77dB

Electrical specifications:

- Wire box 2 starters, one for the motor of the Sewing Head and one starter free, available for the local conveyor.
- Power supply: 400 VAC, 3 phase with neutral (when available), grounding: 50Hz.
- Control circuit: 24VAC – 50 Hz.
- Total power: 2kW – 5A.
- Degree of protection: IP55.
- Motor of the sewing head : 230/400 VAC – 3ph – 50Hz - 1450 rpm – 0,37kW/IP55 – isolation class F.

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Compressed air:

- Dry, clean and not lubricated air
- Air pressure : minimum 0,6 MPa, maximum 0,8 MPa.
- Air volume : 0,6MPa – 0,2 l/bag



Close views of the twin needle Sewing Head :



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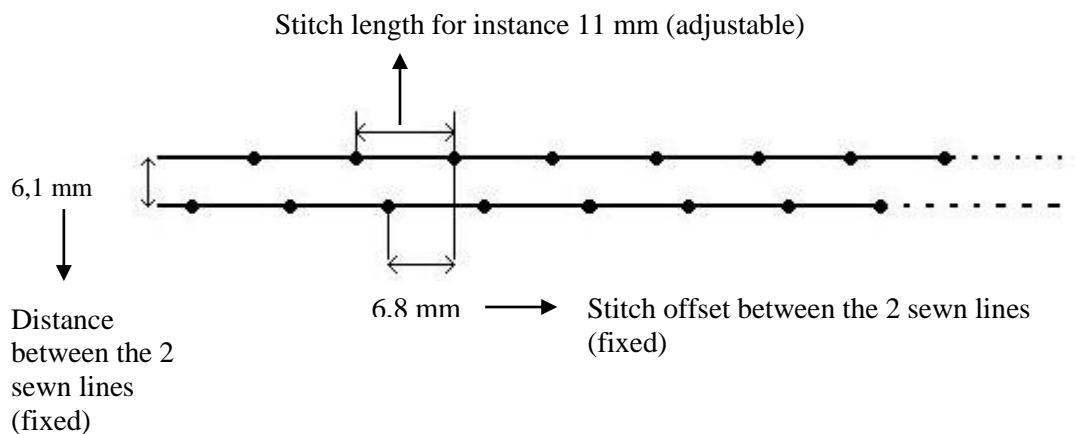
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Stitch and sewn line dimensions:



Optional extras:

- Electrical column (ref. 8000)
- Dolly (ref. 4040)
- Height extension (ref. 60051-1)
- Conveyor (ref. B2100-BN8F) – standard model
- Heating bottom plate (ref.5100-HEA)

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