



ALEX

machine to sew cross seams in garden cushions



With ALEX the usual handling with sewing and closing garden cushions is eliminated. The cushions are placed on a conveyor and via a photocell brought into position and sewn automatically. The computer can hold 50 models. The sewing is made by a HECTOR Long machine on wheels. The cushions to be closed are placed with the opening down. A photocell senses the edge of the fabric for exact positioning and fingers stretch the fabric. Normal working rate is 3-4 seams per minute. You can combine ALEX with a conveyor for feeding and with WAN DA for an automatic line.

Standard equipment: 2 conveyors 1x0,5 m.
 Thread guard for the upper thread.
Alternative: Manual version ALEX II without conveyors

**ALEX- RATIONAL INLINE PRODUCTION
THE CUSHION IS MOVED ONLY LENGTHWISE**

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ALEX II

Cross seams and closing in furniture cushions



Automatic lock stitch machine with 100 cm arm length. Max. pre-set seam length 70cm and min. 8cm. Two different seam lengths can be set. Suitable for thickness up to approx.15cm.

OPERATION:

- The cushion is positioned by the operator who starts the automatic sewing.
- The pre-set seam lengths are chosen with buttons.
- High speed sewing, approx. 12s for a full length seam including cutting.
- The sewing head is moving while the cushion remains in position. This allows quick and easy feeding.

FEATURES:

- Automatic tucking of the sides.
- Quick width adjustments.
- Automatic thread cutting.
- Easy to use.

ALTERNATIVE:

- Fully automatic inline production system, including a conveyor

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HECTOR

for the tufting of cushions



HECTOR presses the cushion together at the tufting point and sews a pattern, which provides a permanent compression of the cushion and keeps the fabric and filling in place. The pattern in the form of a circle or a line is fully adjustable between 4 and 25 mm. The number and length of the stitches are easily set with a dial.

You can use HECTOR for cushions up to 12,5 cm (optional lifting height of 17 cm is available) thick, fabric or leather, containing polyether foam, crumb foam or fibre fill. Normal working rate is 8 to 12 operations per minute.

Arm length:	Standard	60 cm
	Long	100 cm
	Super	120 cm

Compatible with:	TWIN, INGEMAR, WANDA
Optional:	UV-light, Increased lifting height of presser foot 17 cm.
Standard equipment:	Thread trimmer, position light, double table.

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WANDA

for tufting in double rows



Working procedure: The cushions are placed on a conveyor between two HECTOR standard machines, placed opposite each other. Via a photocell the cushions are fed into position and the tufting takes place automatically.

The HECTOR machines are mounted on wheels, which make them easy to pull apart for service and change of bobbins. The needle distance between the sewing heads can be set between 16,5 and 20,0 cm. The computer can hold 50 patterns. Normal working rate is 8 couples of tuftings per minute. WANDA can be combined with the ALEX and an automatic packing station.

Standard equipment: Conveyor 4x0,5 m with 3 grip bands 9 cm wide.
Thread guard for the upper thread.

Alternative: Manual version TWIN without conveyors

WANDA - THE MOST PRODUCTIVE AND LABOUR SAVING WAY OF TUFTING

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MULTIPLE LINE

for tufting of mattresses in multiple lines



Working procedure: The mattress are placed on a conveyor between one or two HECTOR Long (100cm) machines, placed opposite each other. Via a photocell the mattress is fed into position and the tufting takes place automatically. This makes the flow through the machine very quick and eliminates time consuming loading and unloading of mattresses.

The distance between the HECTOR machines is automatically controlled by an unique positioning system which makes it possible to program any distance and number of tufts per row. The computer can store several different patterns for different mattresses. Each tufting point can be positioned to compensate for the shrinking of the cushion, caused by the tufting process.

Normal capacity is 8 tufts per sewing head and minute. The total capacity is depending on the tufting pattern and the number of stitches.

Styrteknik recommends two sewing heads for an quick an even result. Maximum width is about 200cm with two sewing heads and 120cm for one head. Wider mattresses can be sewn if they are manually turned 180 degrees after one cycle and run through the machine again.

The sewing machines can be used individually with manual start buttons, outside of the system if needed.

Standard equipment: Conveyor 2pcs 2,4mx1,8 m with supergrip band
Thread guard for the upper thread.

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