

Kinna Automatic AB customize cost efficient solutions for the production of quilts. The factory lay out and the card production determines how the production line will be developed. From a complete line, fibre to packed quilts or select various sections of the production line as required, with the possibility of adding on other sections later.

The lay out of each production line is confirmed in association with the customer before manufacturing the machines. All machines are tested in Sweden prior to delivery, to secure a fast and cost efficient installation.

The machines are easy to operate, which shortens the learning period.

Kinna Automatic AB machines give a low production cost and good, consistent quality of products.

# QUILT PRODUCTION LINE

**KF109 FILLING UNIT**  
The quilt is fed into the appropriate size filling unit (single, double size, with pillows etc.) where an operator has applied the appropriate size plastic bag.



FILLING UNIT



**FLAT PACK OR ROLL PACK**  
When flat pack is selected the plastic bag with the quilt (& pillows), is placed into the machine that compress the contents and seals the plastic bag.

When roll pack is selected the quilt is fed into the roll pack machine to be rolled and pushed into the appropriate bag where an operator has applied the bag onto the nozzle.

ROLL PACK



FOLDER 3-4

QUILT ROLLING

ROLL PACK

FOLDER 2

FOLDER 1

SCALE

After the sewing section the quilt is conveyed into the stacker section where it's placed onto the scales conveyor and weighted, the results of which are indicated with lights and or printing. After weighting there's a choice of different packing types (folded, rolled and dumpy pack). These different packaging can be added later to the machine.



LEFT SEWING

CROSSIDE SEWING

RIGHT SEWING

COMPENSATOR

TROUGH

LONGSIDE SEWING

MULTI NEEDLE QUILTING MACHINE

FEEDING FABRIC

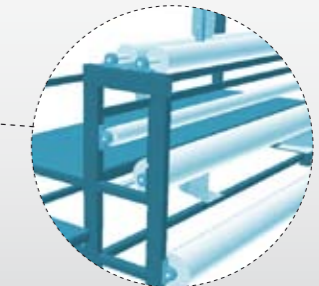
CROSS LAPPER

CARD

**TS101 CROSS SIDE SEWING**  
Length measurement and cutting section, the fabric's length is measured out at high speed to the pre set length and then cut. Then conveyed into the sewing section to be labelled and sewn. There is a choice of using 2 label dispensers and one dispenser is supplied as standard.



**LS104 LONG SIDE SEWING**  
The machine sews both sides of the fabric continually and independent of the multi needle quilter as the machines running speed pedals between high and low. After the long side sewing the fabric is fed into a trough and accumulated, therefore the line up to the long side sewing never needs to stop for example a thread break in the cross side sewing station.



**MS 144 FEEDING FABRIC**  
After the cards cross lapper the fiber is fed between the over and under fabric in the feeding fabric section, then through the multi needle quilting machine.