



YOUR MACHINE PARTNER

Following the mattress assembly process, the Tape Edge Machine joins the quilted panel, side border and mattress tape. PFAFF 5625, CTEC or other sewing machine heads can be used on our tape edge machine depending on our client's request.

A smooth and ergonomic corner turning system is provided, even to heavy mattresses, thanks to the rack-driven arm steering system. The encoder on the corner system allows the operator to adjust the turning angle on the operator screen manually.

It features an automatic height-adjustable seat that helps the operator to work more efficiently and more comfortably and without getting tired during the shift.

There is a mattress flipping unit located at the rear of the machine. The operator performs the flipping process without removing the mattress from the sewing machine, which saves time and energy.

Following the flipping process, the mattress stopping point can be adjusted at the operator panel.

APPLICATION AREA

Mattress Industry

MATERIALS

The Assembly Processed Mattress
Mattress Panel
Side Border
Mattress Tape
Yarn and Needle



GENERAL FEATURES

PFAFF 5625, CTEC or other sewing heads can be used depending on the client's request.

All sewing heads on our tape-edge machines feature chain-sewing and needle-cooling systems.

Automatic angle and height adjustments can be made from the panel at the sewing machine unit.

This ensures smooth and efficient sewing of between 5–48 cm.

A sensor system has been integrated for corner turning. The corner-turning settings can be adjusted from the operator panel.

The corner-turning arm system rises once it flips the mattress and the operator can continue the sewing process without losing time until the arm resets.

An adjustable angle arm return system is located on the operator panel.

There is also a flipping system, which can flip and reposition even the heaviest mattresses with ease.

The single conveyor system ensures that the mattress slides on the belt easily without damage.

It also features a fully automatic deceleration and corner-turning system, which can operate without any need to depress the corner pedals.

The machine has an automatic needle up position and pneumatic base lifting system.

A height-adjustable electric seat system allows the operator to adjust the working height according to the mattress height on the panel.

The control rack system simplifies mattress flipping, regardless of weight. Additionally, the control rack system provides more power with less energy.

It features an adjustable stitch pitch with precise conveyor and stitch synchronization.

Standard edge mattress quality: The automatic edge head-landing function ensures that corner sewing is of the highest quality.

Higher production efficiency is achieved through the use of the automatic mattress production line option.

The mechanical and engine components are located outside of the machine, which expedites and simplifies the maintenance process.

Sewing machine is running with servo motor thus ensures precise and smooth stitching at corner turning as well as needle position.



- STANDARD

Sewing Head (PFAFF Head, CTEC or Other Brands)
Mattress Tape Folder
Adjustable Operator Seat
Needle
Courtesy Lamp
Touch Screen
Servo Motor

- OPTIONS

Back Feeding Conveyor
Front Exit Conveyor
Backup Apparatus



EQUIPMENT DETAILED INFORMATION

BACK FEEDING CONVEYOR

The operator easily requests the next mattress with the help of a pedal without getting up from their chair, which maximizes the efficiency of the tape edge machine.

FRONT EXIT CONVEYOR

This transports the mattress from the machine following the completion of the sewing process. With this feature, the operator can request the next mattress and continue the tape-edge process without leaving the machine.

| TECHNICAL DATA | | LM-TE/1000 |
|------------------------|--|------------|
| Machine Size | W:3200 mm L:4500 mm H:2300 mm | |
| Machine Weight | 1600 kg | |
| Sewing Head | PFAFF, CTEC sewing head or other options depending on our client's request | |
| Standard Tape Folder | 42 mm | 42 mm |
| Maximum Sewing Speed | 3000 rpm | |
| Maximum Conveyor Speed | 20 m/min | |
| Capacity | 200-250 pieces per shift (8 hours) | |
| Max Mattress Size | W:2200 mm L:2200 mm H:500 mm | |
| Min. Mattress Height | 50 mm | |
| Max. Mattress Weight | 160 kg | |
| Power | 3 kW | |
| Electric | 380 VAC (III+N+TT) | |
| Air Pressure | 6 bar | |
| CE Certificate | Yes | |

