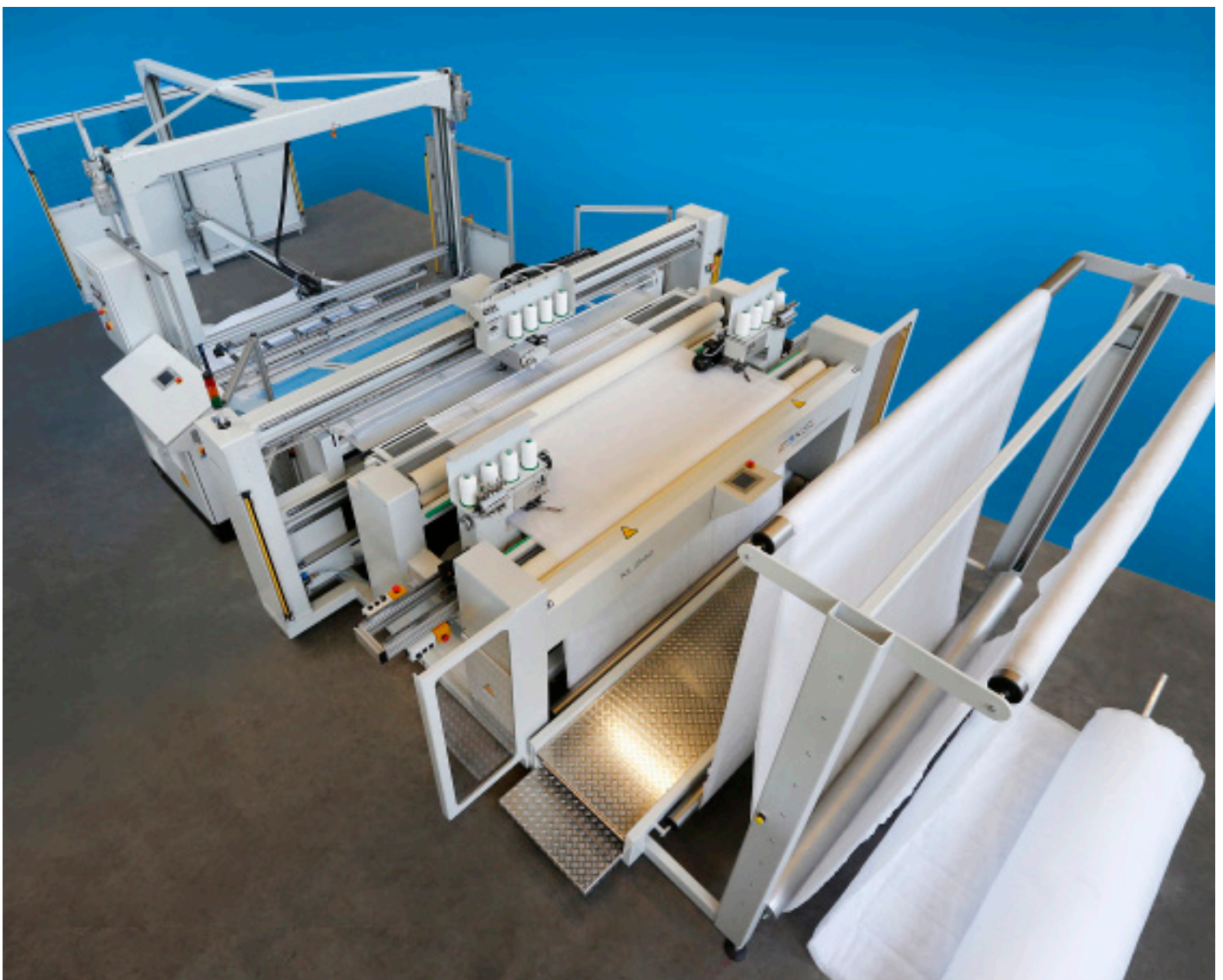


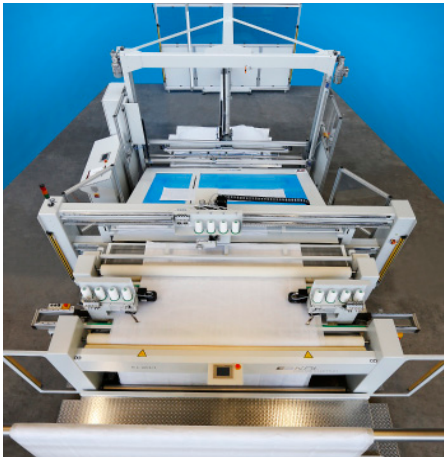
KL 244**MATTRESS
PANEL SEWING
UNIT****KL 244 Mattress panel sewing unit**

Modular sewing system for automatic processing of multi-layer material of highest quality. Can be enhanced to customer requirements.



KL 244

MATTRESS PANEL SEWING UNIT



Application:

- Modular sewing system for the automatic production of multi-layer material, such as: Mattress plates
- With synchronized servo-motor drives for highest quality requirements. High productivity and operational safety at little maintenance effort. Small footprint due to compact design

Funktion

- Speed: Up to 5 plates/minute (depends on plate size / plate thickness)
- Plate width min. 600 mm ... max. 2200 mm
- (quilting material width max. 2400 mm)
- plate length min. 1200 mm ... max. 2200 mm
- Compensator storage
- Side seam sewing system to cut to length and simultaneous seaming of mattress plates before cross sewing systems
- Programmable side seam adjustment
- 2-needle double chain stitch sewing machine (left and right sewing) with needle feed
- Electronic thread course controls for side and cross seam
- Order-related work even with batch size 1
- Waste optimization: Plate length - minimum waste
 Plate width - no waste
- Optimized removal of the material waste
- Downstream left- and right-bound circular knife cutting system
- 4-needle cross sewing system to cut to length and simultaneously seam mattress plates
- Lift-off 4-needle cross sewing head, and warp thread separator
- Needle distance 6/6/6 mm (standard)
- Material-protecting feed with modified sewing foot drive
- Alternating sewing foot drive specifically for thicker mattress plates
- Continuous needle feed
- Cross cutter with lift-off circular knife
- Programmable material width measurement adjustment device with electro-motor
- Material delivery belt with optical material width measurement to advance and measure the quilted material in conjunction with the infeed roller pair of the cross sewing system
- Easy operation via touch screen

Optional Equipment

- Adjustment of the side seam sewing system (downstream of the cross sewing system) for order-related production
- Quilt contour detecting system with camera system
- Transport and measuring device for border production
- Can be enhanced for heavy and high material up to an uncompressed material thickness of 80 mm