

VK

Machinery that never sleeps.

Ultimate Mattress Sewing

**Nexus Series- Mattress Tape
Edge Machine**



VK Mattress Machinery

For the past 54 years, VK Mattress Machinery has been consistently providing the mattress and furniture industry with high-quality solutions and tools to help producers all over the world elevate their production quality and efficiency. Today, The Nexus 3500 is designed to achieve highest productivity with an ergonomic and highly efficient mattress sewing operation.

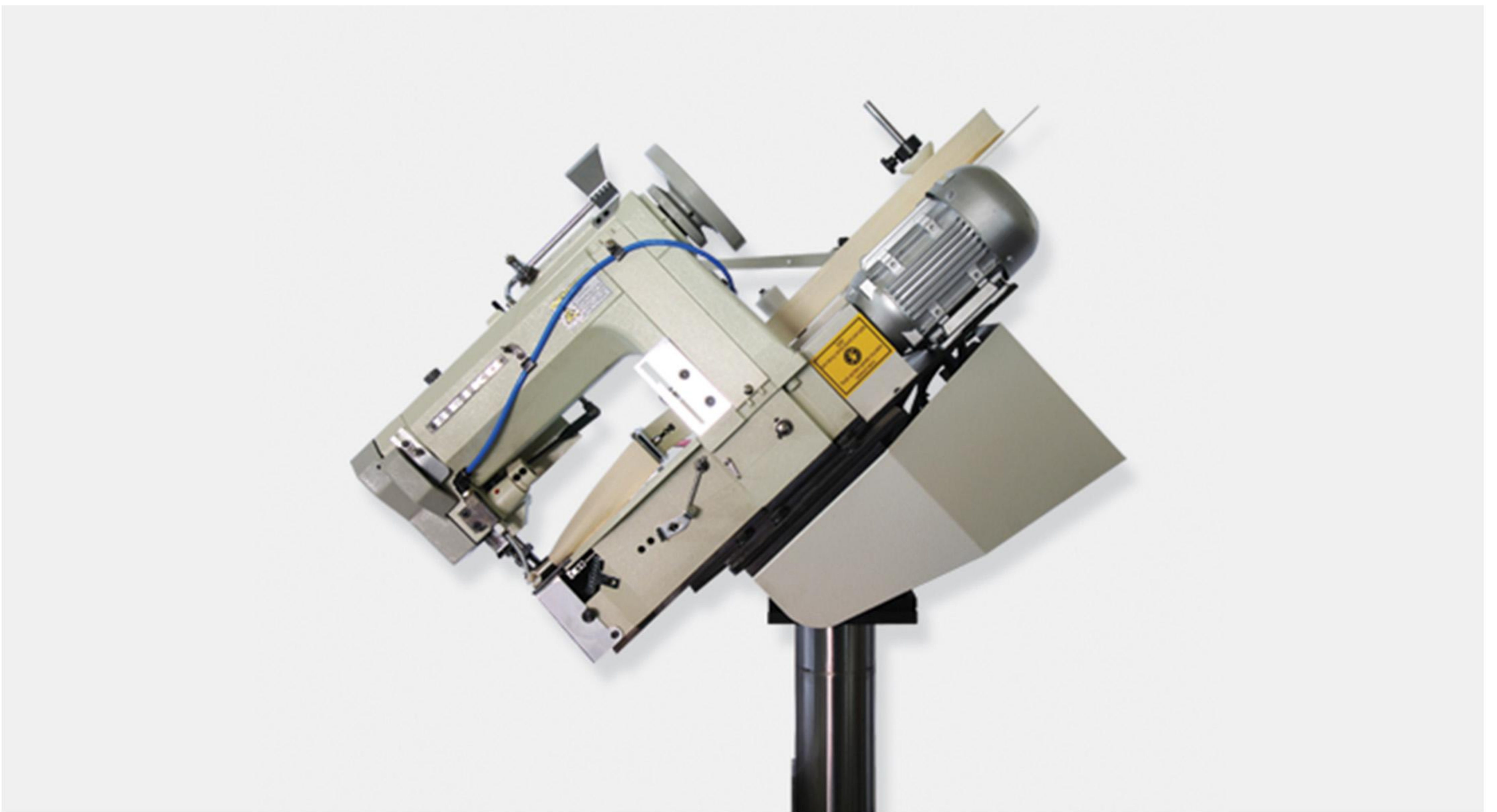
Since 1968
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The motorized conveyor belt, the mattress flipping system, the automatic sewing head adjustment and many other features are the highlight of the machine, along with the use of highest quality materials in every detail.

Fastest Sewing Operation

3500 rpm



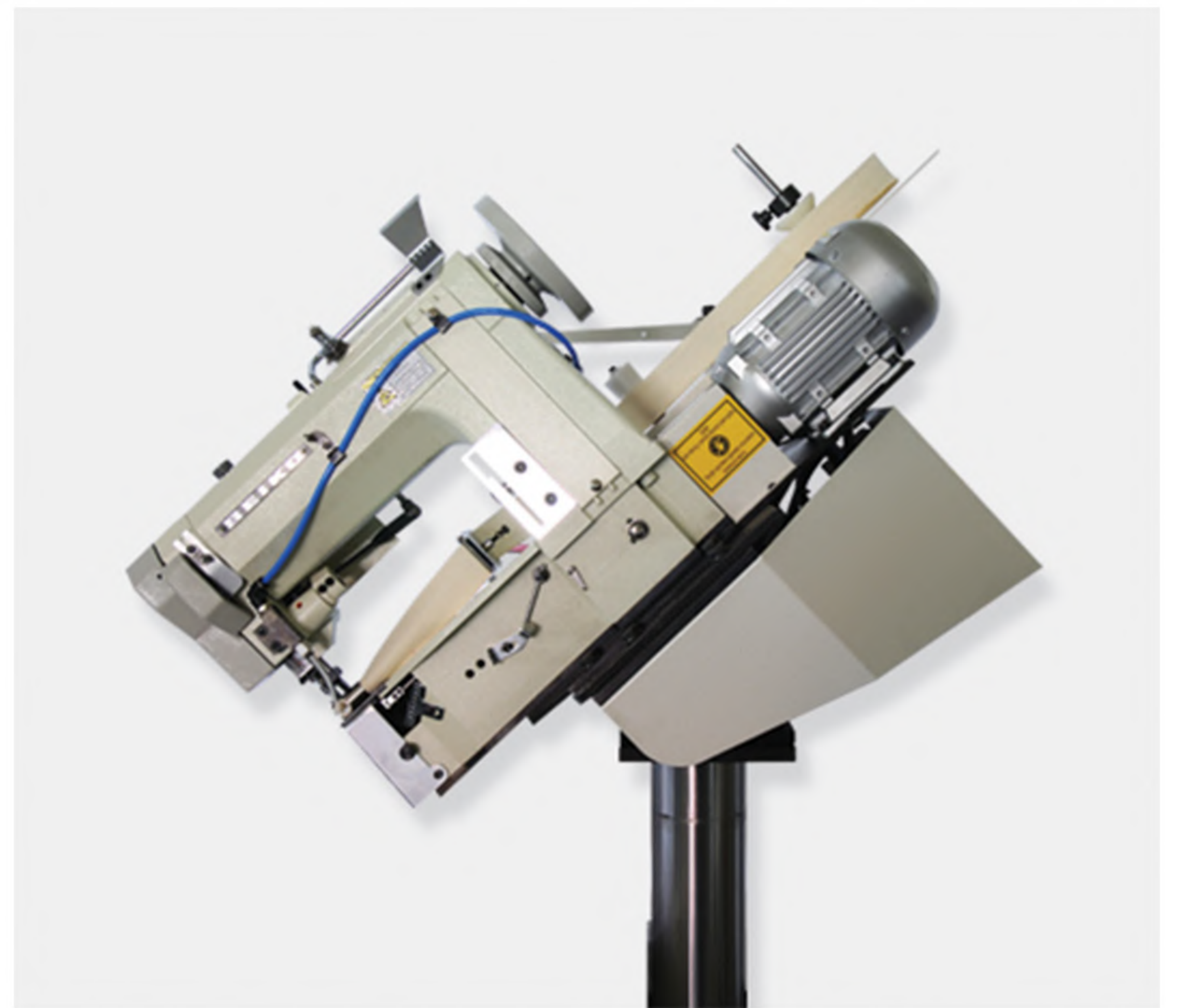
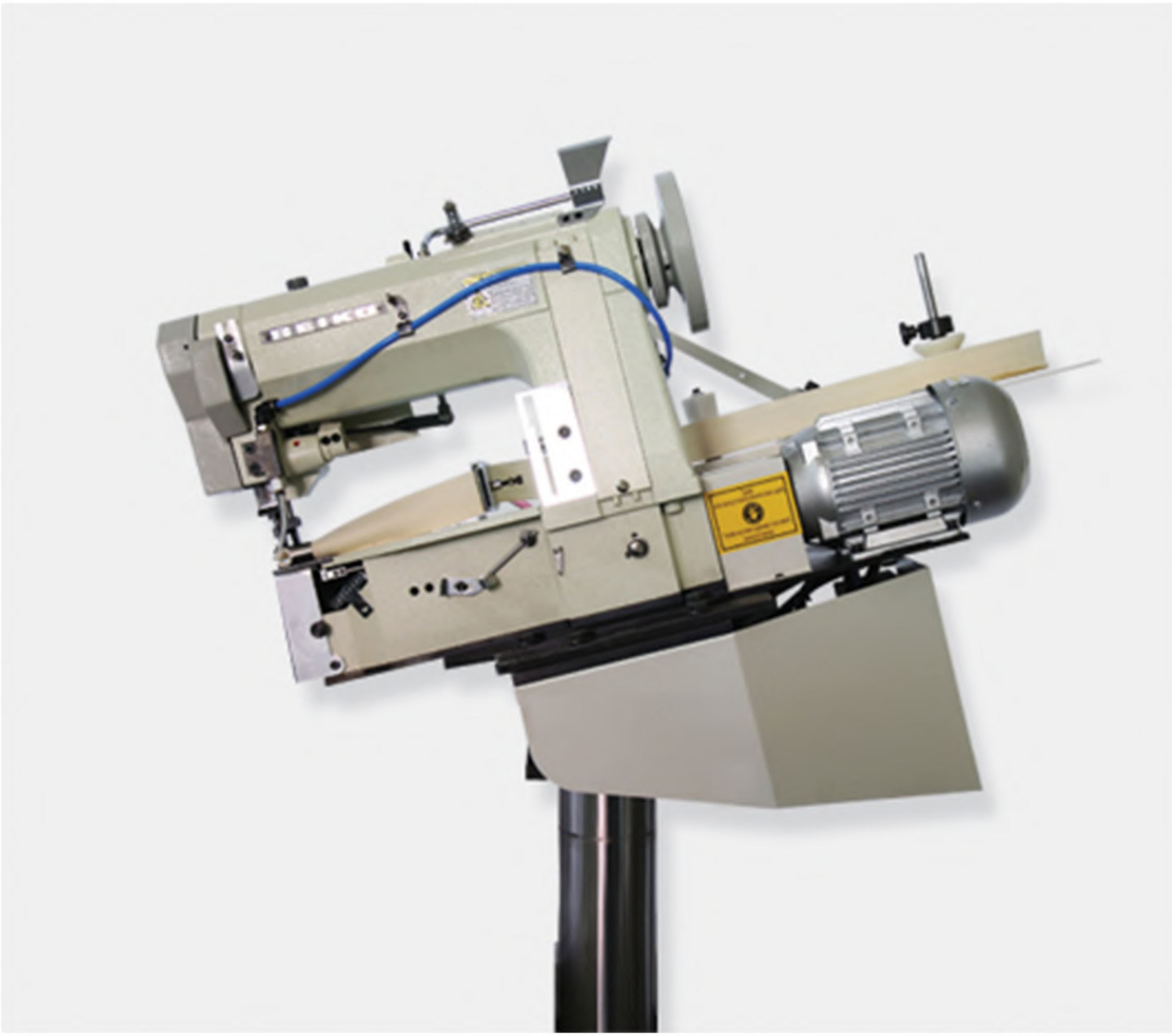
When using the Pfaff sewing head we offer with our Nexus 3500, the Nexus machine becomes the fastest machine for tape edge operations on the market, with 3500 rpm.

Extreme Flexibility

The Nexus has a very robust system holding the sewing head, which offers the capabilities to make the sewing operation on any mattress height. Suitable for all mattresses with different heights from 5cm to 50cm. The rigid sewing head base offer a smooth operation with no trembling or vibrations including operations on the highest mattress sizes.

Intelligent Needle Cooling System

The intelligent needle cooling system offered on the Nexus 3500 prevents the needle from overheating and burning the tape and mattress fabric during mattress sewing operation. It also allows for the use of the machine for longer working periods, whether 8h or 24h, the machine will perform at the highest level.



× Sewing Head Repositioning

The sewing head on the Nexus 3500 are automatically repositioned during the sewing process of the mattress in the corners by going down a little bit to offer a smooth sewing operation along with a speed slowdown, before resuming back to the initial speed.



Smooth Sewing Process

Pleasant Operator Experience

× Easy Mattress Flipping

Traditionally, mattress flipping requires 1-2 operators to be done properly. On the Nexus 3500, the machine includes a simple flipping system (two flipping arms) that is done in less than 5 seconds, with no intervention needed from the operator, saving you manpower and protecting the operator from uncomfortably flipping up to 100-120kg mattresses.

× Touchscreen & Control Panel

The user-friendly touchscreen display allows an easy handling for the operator.

200

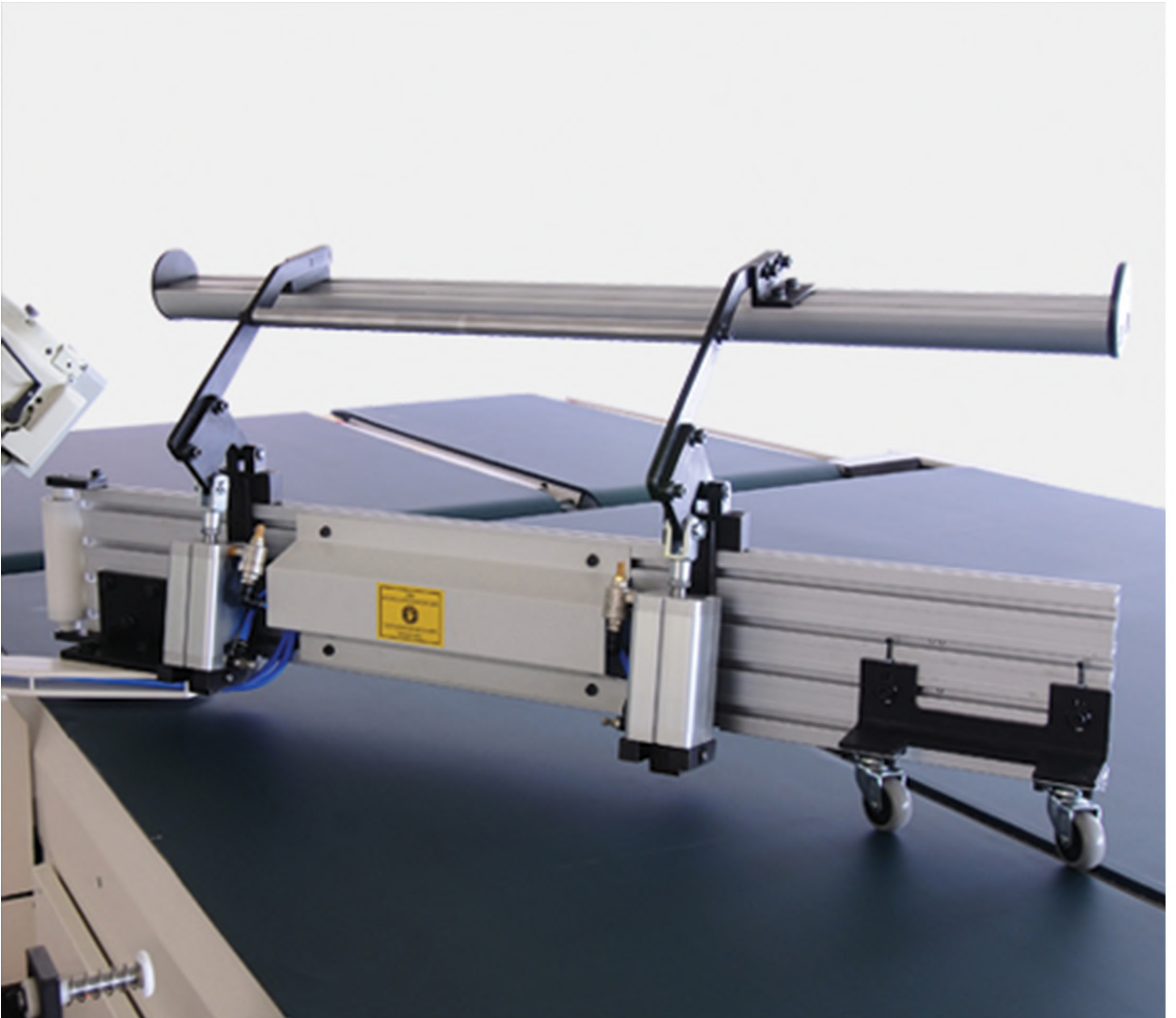
Single

Size

Mattresses

× Production Capacity

The Nexus 3500 is capable of processing more than 200 single mattresses every 8 hours.



— Conveyor Belts

× Conveyor Belts

The two independent working conveyor belts on the Nexus 3500 are allowing the continuous sewing process of the mattress tape, they are also working in a synchronized motion to each other to adjust the sewing speed in the easiest way.

× Convenient Operation

The Nexus 3500 machine gives the operator a very comfortable tape edge sewing experience with a moving platform where they can stand while the machine is making the process on all sides of the mattress.

— Optional

× Conveyor Feeding System

To use the Nexus 3500 to its full potential, pairing the machine with couple conveyor feeding systems gives you the chance to have a continuous and efficient production using the feeding system that ensures the machine is receiving unfinished mattresses ready to be assembled together.

× Sewing Machine Options

The Nexus 3500 machine can come with either a Pfaff 5625 sewing head or a Ctex 300UB5 sewing head, depending on your preferences, both machines perform at the highest level.

— Technical Specifications

Machine Type	Conveyor Type
Total Production Capacity	250 mattresses/8 hours
Mattress Height	50 mm - 500 mm
Mattress Size	min 60x120 cm max 200x210 cm
Sewing Speed	3.500 rpm
Needle Size	180/24
Air Requirement	6 bar, 90 p.s.i.
Power Consumption	approx. 3,5 kW
Power Requirements	Three Phase 380V Frequency: 50-60 Hz, Input Fuse: 63 A Cable: 4x4 mm ²
Working Temperature	0° C - 40° C
Weight	1.350 kg
Sewing Machine Options	Pfaff 5625 / Ctec 300UB5
Machine Dimensions (LxWxH)	400 x 300 x 180 cm

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The machines complies with CE safety standards.

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The information in this brochure contains only general descriptions and performance characteristics that may not always be as described or illustrated in a particular application. In addition, the products may have changed through further development. The desired performance features are only binding if they have been expressly agreed in writing upon conclusion of the contract.