



mattress
machine

foam
machine

pillow
machine

furniture
machine

A large industrial machine, likely a mattress or furniture manufacturing machine, is shown in a factory setting. The machine is blue and white, with a long conveyor belt system. It has various rollers, gears, and a control panel on the right side. The background is dark, and the machine is the central focus of the image.

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LINEER
MAKİNA

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Smart Engineering Machinery for Sleep Industry

The rapid technology advancement today impacts our daily life and shapes our production process as well as the machines that we are currently using.

Lineer Makina was established in 2011 with more than twenty five years of machinery production experience and know-how. We always offer the latest technology to our business partners in accordance with the demands of the market.

We closely follow the latest technology with our R & D engineers within our company and continue our production activities with our dynamic structure that adapts itself to the latest technology and applies the technology fastest to the machinery.

We operate in various industries starts from mattress, foam, furniture and pillow production machinery to smart storage systems (AS-Rs) and conveyor transport systems. We are working for our customer's satisfaction and on our way to become a world wide recognized brand in our own industry.



OUR BRAND VALUES

- ▶ KNOW-HOW & EXPERIENCE
- ▶ INNOVATIVE ENGINEERING
- ▶ DEDICATED TO QUALITY

**MORE THAN
30+
YEARS OF
EXPERIENCE**

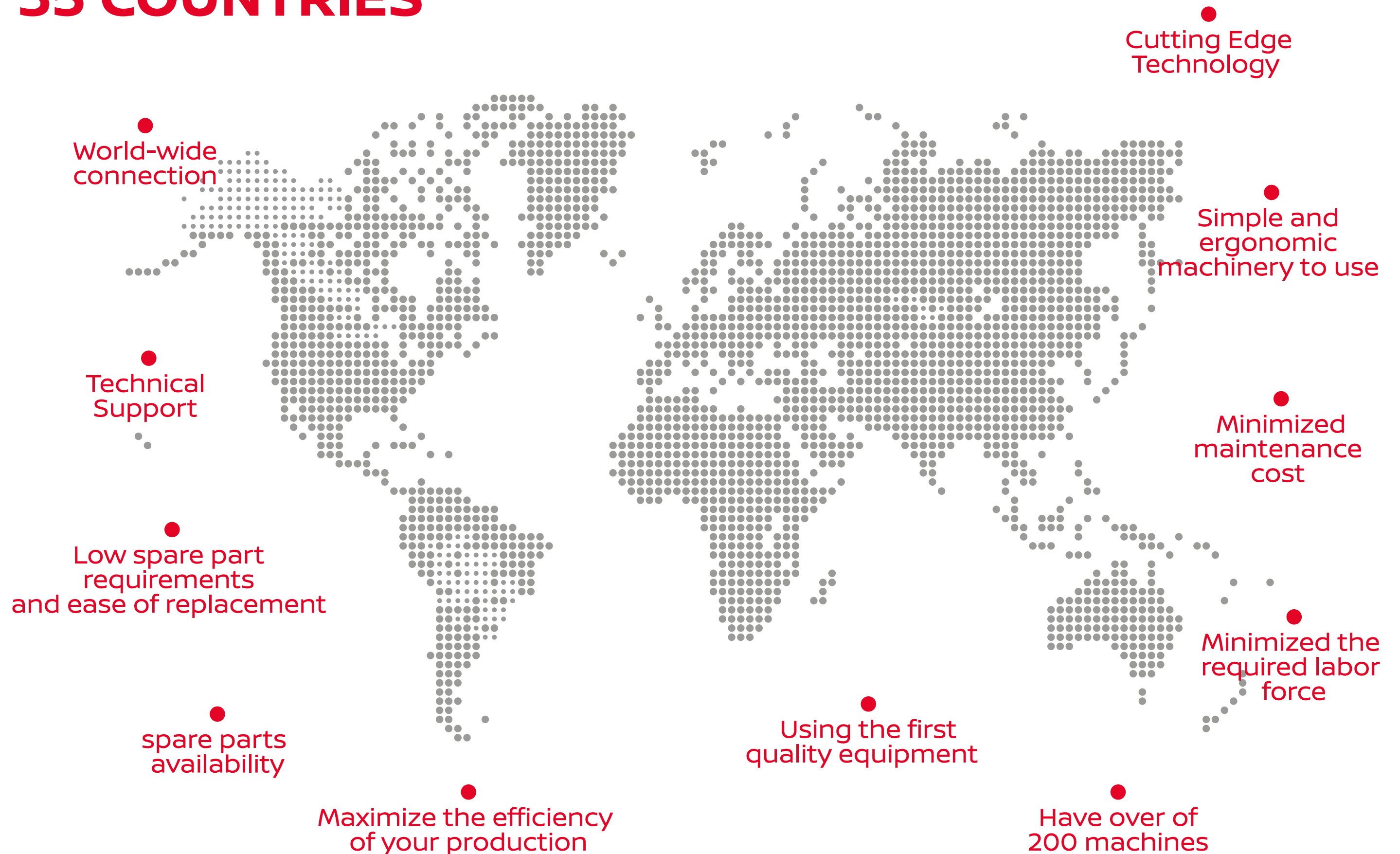
WE INNOVATE

Lineer Makina is raising the machine standards through R&D with non-stop working.

Our R&D team's dedication to continuous improvement helps us design the highest quality machines for our customers, positioning them to achieve maximum efficiency with modern machining innovation.

Our R&D drives customer ROI, maximizing the efficiency of the machines to produce higher quality products, supports the machine to last for a long time, and maintaining a leading edge in our industries

EXPORT MORE THAN **35 COUNTRIES**



Explore our Industry Solutions Experiences

Making a significant change in the way we work and how we engage with our customers through our technical support
We are more than industrial builders that offers wide range of services to keep your operations running smoothly.

- Increase customer satisfaction
- Reduce equipment downtime
- Boost operating performance



Technical Support by Phone

Get remote tech support via phone calls by our technicians that help you solve technical issues quickly.



Connect Online

Our technicians are all experienced and are up-to-date with the latest, and continuous, technological innovations and advances by connecting directly to your system over the internet.



Personal Technical Support

If a problem cannot be resolved over the phone and in case of a visit is required to figure out the problem, our technical specialist will be at your company according to agreement with our clients.



Spare Parts

We guarantee spare parts availability for any machines in our portfolio over a minimum of 10 years.

OUR BUSINESS AREAS

MATTRESS MACHINERY

Tape Edge
Glue Line
Packaging
Conveyors
Cutter
Cover
Tufting
Spring
Stacker
Storage
Auxiliary Equipment

FOAM MACHINERY

Splitter
Cutter
Cnc
Crusher
Packaging
Conveyors
Recycling System
Storage System

PILLOW MACHINERY

Fiber
Packaging
Filling Line
Sewing
Conveyors
Recycling System

FURNITURE MACHINERY

Packaging
Wedge Inserter
Tensioning
Nailing
Bending
Spring
Conveyors
Stacker
Turntable

MATTRESS MACHINERY

INDEX

16-17

PAGE
AUTOMATIC TAPE
EDGE MACHINE

22-23

PAGE
AUTOMATIC HOTMELT
GLUE LINE

34-35

PAGE
PACKAGING
MACHINE

74-75

PAGE
CONVEYORS

98-99

PAGE
CUTTING
MACHINE

106-107

PAGE
COVERING
MACHINE

112-113

PAGE
TUFTING
MACHINE

116-117

PAGE
STACKING
MACHINE

124-125

PAGE
SPRING
MACHINE

132-133

PAGE
AUXILIARY
EQUIPMENT

138-139

PAGE
STORAGE
SYSTEM

machinery
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LM-TE/1000

AUTOMATIC TAPE EDGE MACHINE



► Chain-sewing and needle-cooling systems.

► Single conveyor system.

► Mattress flipping unit.

► Smooth and ergonomic corner turning system.



Automatic
Tape Edge Machine

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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 <small>sewing head or other options depending on our client's request</small>
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



SERVE MOTOR/SEWING HEAD



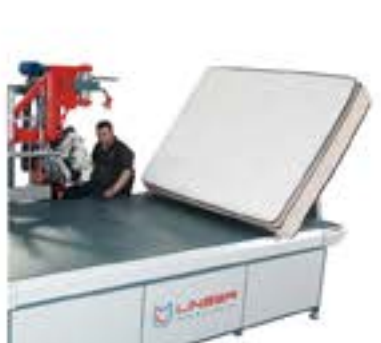
TOUCH SCREEN



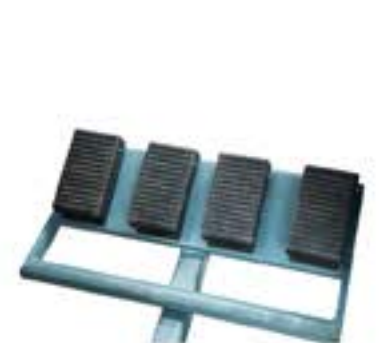
ADJUSTABLE OPERATOR SEAT



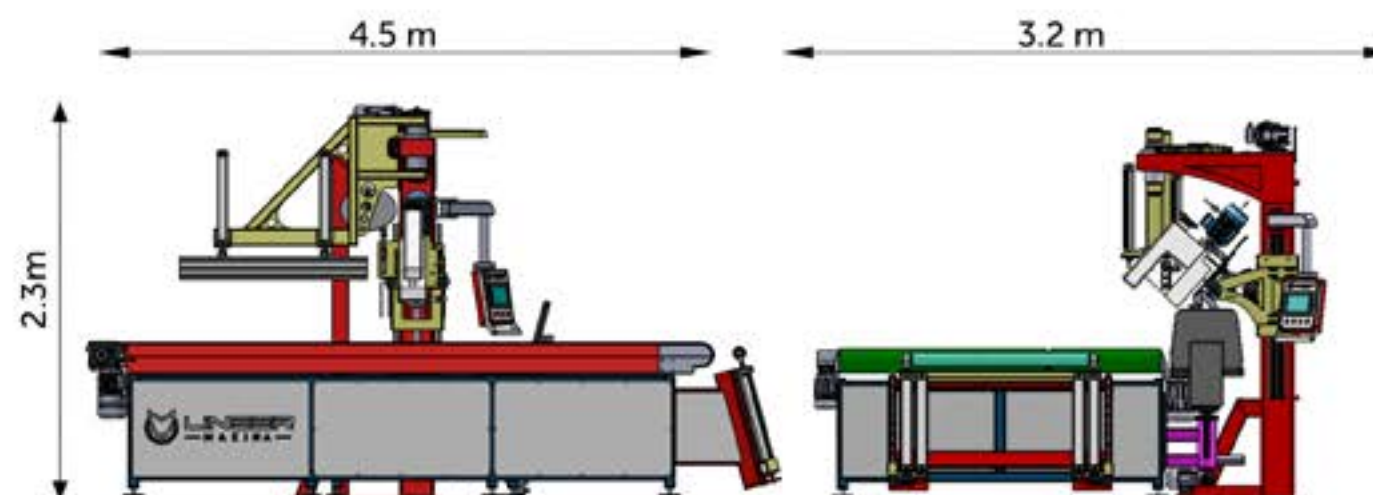
CORNER-TURNING ARM SYSTEM



FLIPPING SYSTEM



FLIPPING SYSTEM



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LM-GL/1400

AUTOMATIC HOTMELT GLUE LINE

► Keeps the glue amount consistent and correct level to control

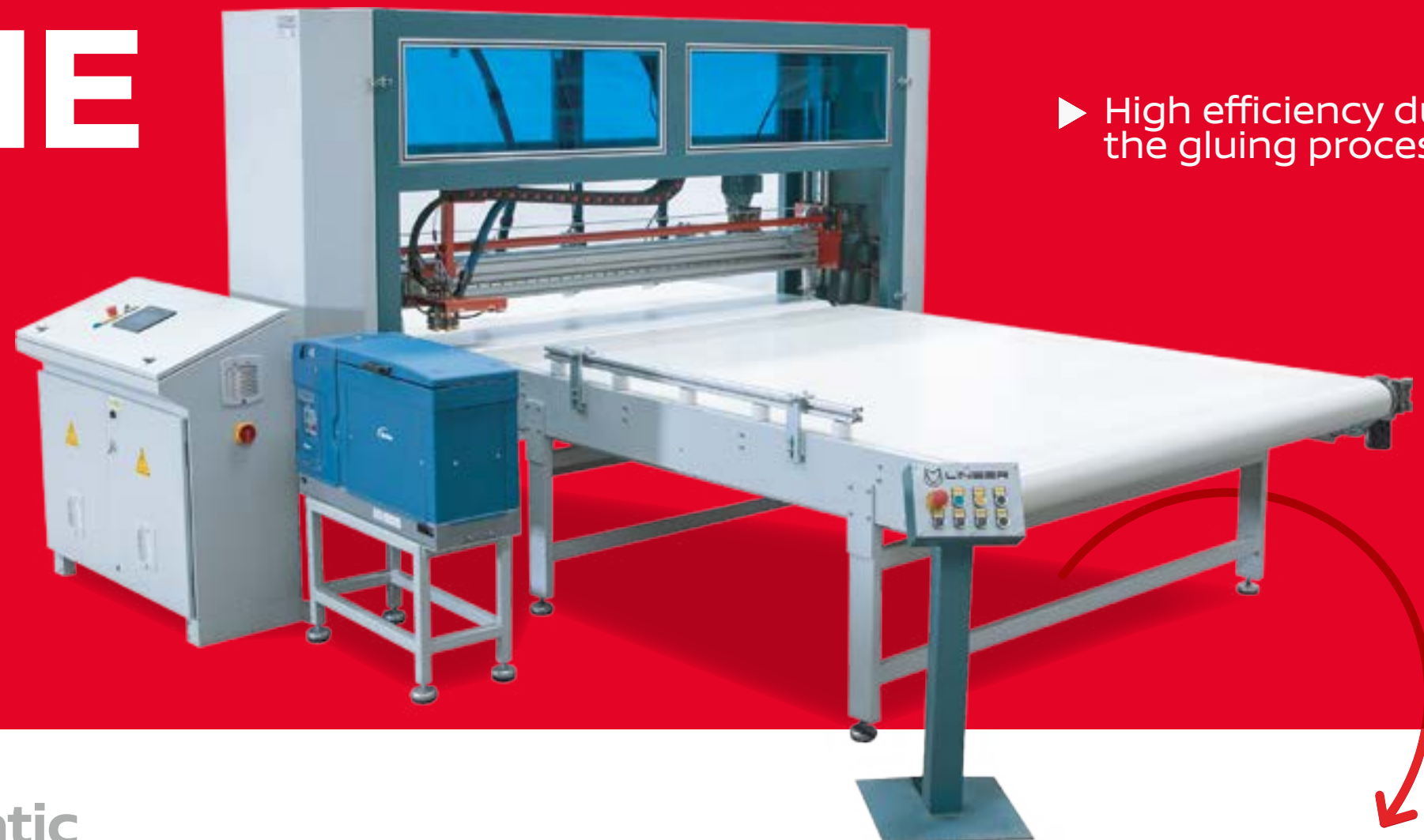
► Excellent gluing quality.

► Full coverage of glue over the surface.

► High efficiency during the gluing process.



Automatic
Hotmelt Glue Line



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LM-GL/1400
AUTOMATIC HOTMELT
GLUE LINE

Machinery Partner

This system is running automatically with length, width and height of the mattress recognition. In general, Nordson, Robatec... etc gluing unit is used optionally. Total electrical power is 4 kW

APPLICATION AREA

Mattress Industry

MATERIALS

Foam
Quilted Panel
Felt
Carcass

GENERAL FEATURES

Optical Sensor at conveyors
Edge-alignment gluing system is being running by servo motor that edge-gap is automatically adjustable. (app. gluing time: 20 seconds)
Automatic length and width and height recognition
6 guns/36 nozzles are being used at the machine. (edge and center gluing)
Pocket spring, carcass, felt, foam, quilted panel are glued at different gluing styles through touch screen/buttons
High efficiency during the gluing process
It is easy to adapt to any production line
Can be serviced online
Maximum product width size: 2100 mm

Glue is an essential part of mattress manufacturing and as today mattress gluing system is getting more popular to maximize the worker health, increased production efficiency as well as the hygiene in the working area and mattresses

The hotmelt as a raw material has been using in mattress gluing system to keep material and foam from shifting so it maintains the integrity of the mattress

Mattress gluing system helps you to apply one component hotmelt evenly onto the layers of foam such as foam, felt and quilting panels. Advanced glue amount control system makes you apply right amount of glue onto each mattress component. By keeping the glue amount consistent and correct level to control



NOTE: The ROBATECH or NORDSON Hotmelt system is used in the glue bridge. 3 fixed and 3 Moving, total 6 guns /24 nozzles are used. Tank capacity: 30lt. Tank capacity can vary according to our client's request



STANDARD

Silicon Belt Conveyor
Hotmelt Bridge
Pedal System (foot or portable)

OPTIONS

Assembly Conveyor with Flipper
Pneumatic Press Conveyor
Press & Flipper Conveyor
PVC Belt Conveyor
Automatic Product Feeding System
Automatic Product Alignment Conveyor

DETAILED EQUIPMENT INFORMATION LM-CON/1900 I ASSEMBLY CONVEYOR WITH FLIPPER

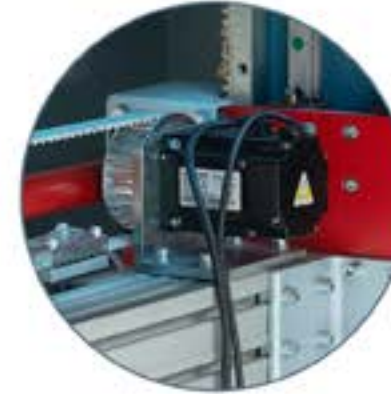
This conveyor is used to assemble the mattress on the line
With its' flipper unit, it can flipper the mattress to carry out the assembling process on both sides
With its flexible and ergonomic working principle, it flips the mattresses of varying sizes and weights
Since the bands on the conveyor are made of silicone, it prevents adhesive sticking and is easy to clean
Forward-back and flipping the mattress can be done with a button by the operator
2 operator works at the machine

LM-CON/1100 | SILICON BELT CONVEYOR

Used as a transfer conveyor line at manual mattress assembly systems and automatic mattress production lines
It should be used at the inlet & exit conveyor manual gluing lines as well the areas that run a high risk of glue contamination on the belt
The cleaning process is simplified due to the silicone coating on the conveyor belt
2 mm silicone coated anti-static band
The chassis is made of 3 mm especially bended steel sheet



The conveyor drive and idler drum are made of Ø140 mm seamless drawn pipe
The conveyor speed is 20 m/min and speed adjustment are available
The conveyor belt must be stretched between four points to allow for better adjustment
A coupled reducer system has been used in the driving drum
The conveyor can be operated in manual or automatic mode



AUTOMATIC FEEDING SYSTEM

The system feeds the felt and the foam according to the entered beforehand prescription without requiring any operator

AUTOMATIC PRODUCT ALIGNMENT CONVEYOR

In order to feed the gluing line, this conveyor is being used to align the products automatically such as felt and foam. The error rate has been minimized thanks to its' automatic alignment features



TECHNICAL DATA

LM-GL/1400

Machine Size	W:3200 mm L:5000 mm H:2400 mm
Line Height	900 mm
Max Conveyor Speed	20 m/minute
Capacity	Per product layer gluing/20 sec
Glue Type	Hotmelt
Max. Mattress Height	500 mm
Movable Glue Gun	3 guns 18 nozzles
Fixed and Zigzag Glue Gun	3 guns 18 nozzles
Electric	380 VAC (III+N+TT)
Compressed Air	6 bar

It saves the working area since the assembling process is being done in a narrower space.
This conveyor is used to assemble the mattress on the line

With its' flipper unit, it can flipper the mattress to carry out the assembling process on both sides
With its flexible and ergonomic working principle, it flips the mattresses of varying sizes and weights without requiring any adjustment
As mattresses are held by pneumatic arms, any risk of deformation during flipping is prevented
With the help of its sensors, it can detect automatically whether there is a mattress in the machine

The safety barrier surrounding the machine provides a safe working environment
Features a long-life Festo pneumatic system with low air consumption



LM-CON/1300 | PNEUMATIC PRESS CONVEYOR

The pneumatic conveyor line features advanced sealing for finished or semi-finished mattresses, thus ensuring the fail-safe manufacture of more durable mattresses
With its flexible and ergonomic working principle, this conveyor presses various-sized mattresses properly

It measures the length of the mattress thanks to the sensors locating on it and presses the mattress in a centered way
The upper press table can equal out the pressure thanks to a rack and gear

It presses mattresses with various sizes and weights without requiring any adjustment

According to production requirement;
* After pressing the mattress, it can move it back
* After pressing the mattress, it can move it forward
* Or it can be used as a transfer conveyor line, skipping the pressing stage altogether

Following the gluing process, it presses the mattress with 1000 kg pressure; so it improves the sealing process of the mattresses and enables solid mattress production

With its sensors, it detects automatically whether there is a mattress or not and by measuring the length of the mattress, it enables the pressing process at the center of the mattress
The safety barrier surrounding the machine provides a safe working environment
Can be serviced online

Features a long-life Festo pneumatic system with low air consumption

LM-CON/1400 | PRESS & FLIPPER CONVEYOR

This machine is used to flip finished or semi-finished products automatically after the pressing process. The advantage is that pressing and flipping can be conducted in a single machine
With its flexible and ergonomic working principle, it can press and flip mattresses of varying sizes and weights

It can press and flip mattresses of varying sizes and weights without requiring any adjustment

Depending on the production requirements:
*Mattresses can be pressed and moved forward
*or backward
*Mattresses can be pressed, flipped, and reversed
*Mattresses can be pressed, flipped, and moved forward
*Or it can be used as a transfer conveyor line, skipping the pressing/flipping stage altogether
By flipping the mattress during pressing, any risk of damage is avoided

Once the gluing process is complete, the mattresses are pressed with 500 kg of pressure to improve the sealing process and ensure a more robust product
With its sensors, it detects automatically whether there is a mattress or not

The safety barrier surrounding the machine provides a safe working environment
Can be serviced online

Features a long-life Festo pneumatic system with low air consumption



LM-CON/1200I PVC BELT CONVEYOR

Used as a transfer conveyor line at manual mattress assembly systems and automatic mattress production lines

This conveyor line can be used for all mattress production processes apart from gluing stages

The conveyor uses a 2.7 m thick, anti-static, green PVC belt

The chassis is made of 3 mm specially-bended steel sheet

The conveyor drive and idler drum are made of Ø140 mm seamless drawn pipe

The conveyor speed is 20 m/min and speed adjustment are available

The conveyor belt must be stretched between four points to allow for better adjustment

A coupled reducer system has been used in the driving drum

The conveyor can be operated in manual or automatic mode





LM-GL/1100
AUTOMATIC HOTMELT
GLUE MACHINE

Machinery Partner

This system is running automatically with length, width and height of the mattress recognition. In general, Nordson, Robatec... etc gluing unit is used optionally. Total electrical power is 4 kW

APPLICATION AREA

Mattress Industry

MATERIALS

Foam
Quilted Panel
Felt
Carcass

GENERAL FEATURES

Optical Sensor at conveyors
Edge-alignment gluing system is being running by servo motor that edge-gap is automatically adjustable. (app. gluing time: 20 seconds)
Automatic length and width and height recognition
6 guns/36 nozzles are being used at the machine. (edge and center gluing)
Pocket spring, carcass, felt, foam, quilted panel are glued at different gluing styles through touch screen/buttons
High efficiency during the gluing process
It is easy to adapt to any production line
Can be serviced online
Maximum product width size: 2100 mm

Glue is an essential part of mattress manufacturing and as today mattress gluing system is getting more popular to maximize the worker health, increased production efficiency as well as the hygiene in the working area and mattresses

The hotmelt as a raw material has been using in mattress gluing system to keep material and foam from shifting so it maintains the integrity of the mattress

Mattress gluing system helps you to apply one component hotmelt evenly onto the layers of foam such as foam, felt and quilting panels. Advanced glue amount control system makes you apply right amount of glue onto each mattress component. By keeping the glue amount consistent and correct level to control



NOTE: The ROBATECH or NORDSON Hotmelt system is used in the glue bridge. 3 fixed and 3 Moving, total 6 guns /24 nozzles are used. Tank capacity: 30lt. Tank capacity can vary according to our client's request

STANDARD

Silicon Belt Conveyor
Hotmelt Bridge
Pedal System (foot or portable)

OPTIONS

Assembly Conveyor with Flipper
Pneumatic Press Conveyor
Press & Flipper Conveyor
PVC Belt Conveyor
Automatic Product Feeding System
Automatic Product Alignment Conveyor

TECHNICAL DATA

LM-GL/1100

Machine Size	W:3200 mm L:5000 mm H:2400 mm
Line Height	900 mm
Max Conveyor Speed	20 m/minute
Capacity	Per product layer gluing/20 sec
Glue Type	Hotmelt
Max. Mattress Height	500 mm
Movable Glue Gun	3 guns 18 nozzles
Fixed and Zigzag Glue Gun	3 guns 18 nozzles
Electric	380 VAC (III+N+TT)
Compressed Air	6 bar



LM-GL/1300
AUTOMATIC HOTMELT
GLUE MACHINE

Machinery Partner

Glue is an essential part of mattress manufacturing and as today mattress gluing system is getting more popular to maximize the worker health, increased production efficiency as well as the hygiene in the working area and mattresses

Movable glue bridge is used instead of fixed sealing bridge used in conventional glue systems. Since the glue bridge is movable, it saves the working area. This glue system is mostly preferred in the foam and quilted panels assembling process.

The hotmelt as a raw material has been using in mattress gluing system to keep material and foam from shifting so it maintains the integrity of the mattress.

Mattress gluing system helps you to apply one component hotmelt evenly onto the layers of foam such as foam, felt and quilting panels.

Advanced glue amount control system makes you apply right amount of glue onto each mattress component. By keeping the glue amount consistent and correct level to control.

This system is running automatically with length, width and height of the mattress recognition.

In general, Nordson, Robatec...etc gluing unit is used optionally.

Total electrical power is 4 kW

APPLICATION AREA

Mattress Industry

MATERIALS

Foam

Quilted Panel

Carcass

GENERAL FEATURES

Optical Sensor at conveyors

Automatic length and width and height recognition

4 guns/16 nozzles are being used at the machine (center gluing)

Pocket spring, carcass, felt, foam, quilted panel are glued at different gluing styles through touch screen/buttons

High efficiency during the gluing process

It is easy to adapt to any production line

Can be serviced online

Maximum product width size: 2100 mm

The ROBATECH or NORDSON Hotmelt system is used in the glue bridge. 4 fixed guns /16 nozzles are used. Tank capacity: 30lt. Tank capacity can vary according to our client's request.

STANDARD

Silicon Belt Conveyor

Sealing Bridge

OPTION

Mattress Assembly Conveyor with Flipper

Pneumatic Press

Press & Flipper

PVC Conveyor

Automatic Product Feeding System

Automatic Product Alignment Conveyor



TECHNICAL DATA

LM-GL/1300

Machine Size	W:2400 mm L:2500 mm H:2800 mm
Fixed and Zigzag Glue Gun	4 guns 16 nozzles
Max. Line Height	900 mm
Max. Conveyor Speed	20 m/dk
Gluing Capacity	Per Layer and Center Gluing/20 sec
Glue Type	Hotmelt
Max. Mattress Height	500 mm
Electric	380 VAC (III+N+TT)
Air Pressure	6 bar

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PACKAGING MACHINE

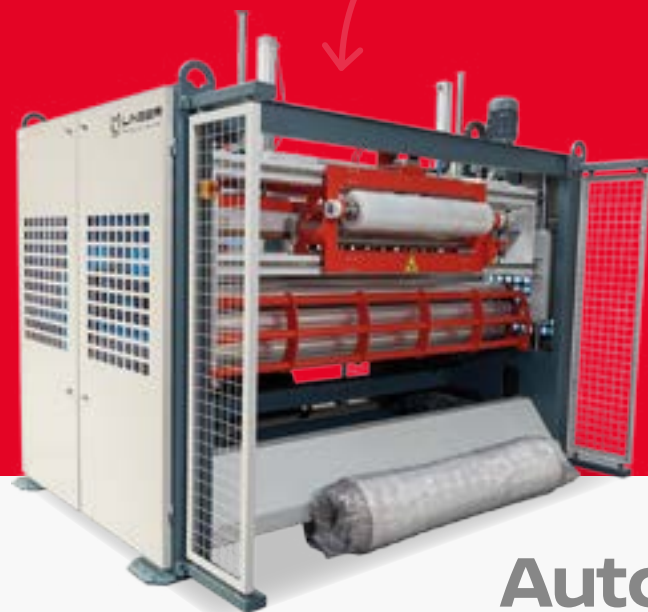


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LM-PG-R/4400 FULL PACK

AUTOMATIC PRESS- FOLD AND ROLL-PACK MACHINE



Automatic
Press- Fold and
Roll-Pack Machine



▶ Adjustable cooling time for the various nylon thicknesses via the sealing units.

▶ Automatic side film cutting system.

▶ Package Loading Elevator

▶ Gripper System for Nylon Waste Removal.



LM-PG-R/4400
FULL PACK AUTOMATIC PRESS-FOLD AND
ROLL-PACK MACHINE

Machinery Partner

GENERAL FEATURES

It features an automatic width, length and height recognition system to detect different mattress sizes

The mattress can be packed horizontally

The waiting system installed between the middle and side sealing units ensures faster packing

The automatic pressing system reduces the mattress packing volume

Features adjustable cooling time for the various nylon thicknesses via the sealing units

A water-cooling system installed at the side and middle sealing units ensures maximum bonding quality

The conveyor located in the upper press system detects the mattress height and presses the mattress beforehand, helping to optimize the packaging speed and quality

The side sealing units automatically adjust itself according to the mattress height. This increases the packaging quality by positioning the bonding point right at the middle of the mattress

The packing tension can be adjusted from the operator panel

Features an automatic side film cutting system With the Gripper System, all cut side film waste is sent to the waste system

Features an upper roller side film elevator, which facilitates the safe and easy replacement of the machine's Polyethylene Film roll

Can be serviced online

Features a long-life Festo pneumatic system with low air consumption

Comes with a standard nylon-loading elevator

A bonding system that prevents any bonding errors through an instant heating system

The homogeneous heat distribution system requires the minimum resistance change

Double packaging is available

Mattresses are packaged by being inserted into a package using a nylon roll located in the upper and lower parts of the machine. The packing system protects mattresses from dust, stains and moisture

LM-PG-R/4400 Full Pack is a fully automatic mattress packing, folding and rolling machine that, through its superior packing feature, provides faster production and a safer working area

With its flexible and ergonomic working principle, this machine minimizes the operator workload by packing various-sized mattresses and roll-mattresses without requiring adjustments The machine located inside a cabin and the switches that are located on the cabin doors ensure a safer working environment for the operator

With a 60-ton hydraulic press, this machine can pack mattresses without requiring a roll-pack. This feature helps minimize packing volume for your innerspring mattresses

APPLICATION AREA

Mattress Industry
Foam Industry

MATERIALS

Mattress, Foam, Polyethylene Film



DETAILED EQUIPMENT INFORMATION PACKAGE LOADING ELEVATOR

It is used to effortlessly transport the packaging material located inside the machine to the upper part of the machine
Maximum operating safety is maintained during this process

WATER-COOLED SEALING UNIT

Cooling is carried out during the sealing process by passing pressurized water through the sealing unit
Rapid cooling of the sealed package maximizes the binding quality. The water-cooling process involves a patented custom-extruded sealing unit, water tank (40 L) and water pump

GRIPPER SYSTEM FOR NYLON WASTE REMOVAL

Following the side sealing process, the side waste parts of the package that were cut with a pneumatic knife are removed from the sealing unit with the gripper arm and deposited in the waste reservoir. This prevents the nylon waste from sticking to the sealing units and reducing the packing waste

MOVABLE SIDE SEALING LOWER SEALING UNITS

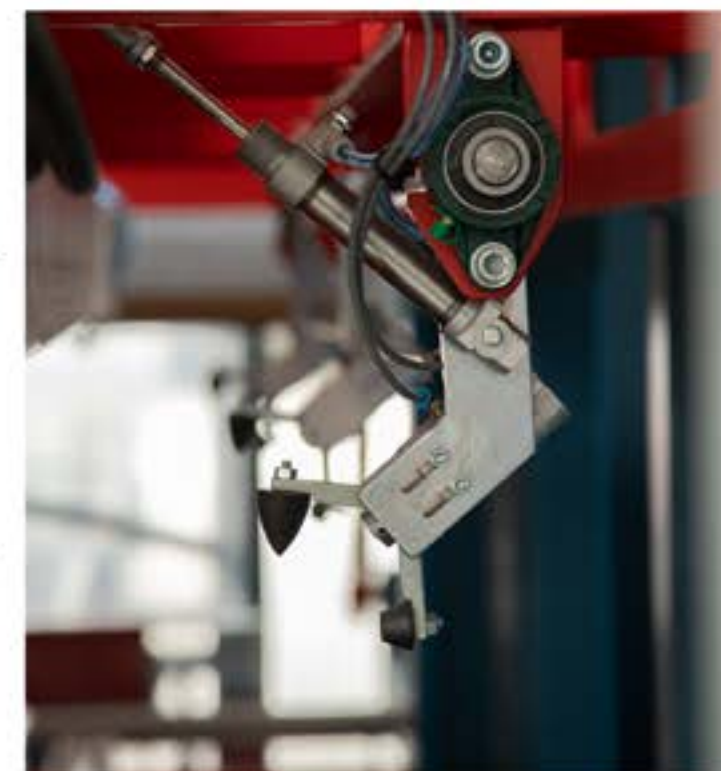
Once the mattress has been inserted into the side sealing chamber, it is taken into the side sealing unit without any deformation, such as folding incurred by the lower position of the sealing units
During the side sealing process, the bottom sealing units rise to the center of the mattress
The sealing process takes place right in the middle of mattress, thereby providing a superior packaging quality

STANDARD

Package Loading Elevator
Water-Cooled Sealing Unit
Gripper System for Nylon Waste Removal
Movable Side Sealing Lower Sealing Units
Feeding Conveyor
Exit Idler Conveyor
Roll-Pack Unit

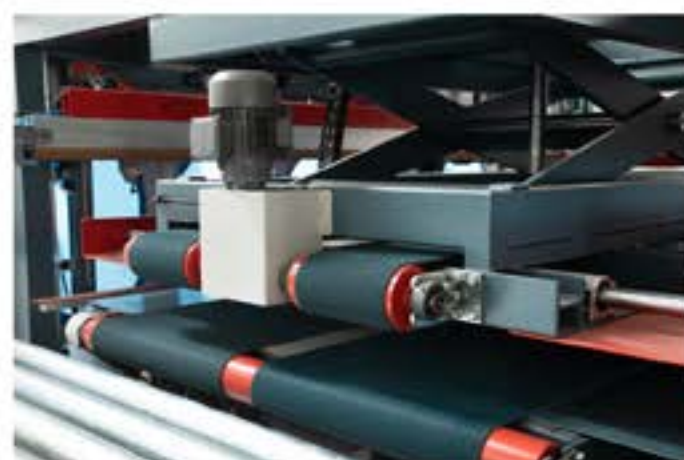
OPTIONS

Mattress Stacking Machine
Buffer System
Mattress Folding Unit



ROLL-PACK UNIT

The pressed and packed product enters the packing machine where it will be rolled
The strength of the package is increased by wrapping the stretch film on the rolled mattress
The required roll diameter is adjustable through the screen by the operator
An optional boxing system can be installed on the rear end of the machine to box the product automatically
Rolling is a fully automatic process with no manual intervention required
The rolling drums are made of steel drawn (seamless) pipes with a 20 mm thickness. This ensures the machine's durability and longevity
By passing aluminum pipes on the rolling drums, product alignment is maintained and product damage is prevented
The diameter adjustment system is hydraulic. If the operator inputs the wrong diameter, the system will expand itself automatically by checking the pressure
The wrapped stretch film layer can be adjusted from the operator panel



MATTRESS STACKING MACHINE

The packed mattress is automatically stacked on pallets
Its flexible and ergonomic working principle saves labor and time by stacking the mattresses according to size and weight
The safety barrier surrounding the machine provides a safe working environment

BUFFER SYSTEM

The Buffer System initiates prior to packing and stacks the mattress automatically once the packing machine stops
When the packing machine commences operation, it automatically leads the mattresses to the packing machine, ensuring the continuation of the packing process without any interruption

MATTRESS FOLDING UNIT

Following the press and packing process, the mattress is sent to the roll-pack machine to initiate the folding process. The folding process is completed by pneumatic arms
Following the folding process, it leads the mattress centered according to the roll-pack machine to ensure a smooth roll-pack
The folding system is used to create smaller roll-packs in terms of volume
By this unit, the roll-pack length does not exceed 1.200 mm



TECHNICAL DATA

LM-PG-R/4400

Machine Size	W:5000 mm L:16.000 mm H: 3000 mm
Machine Weight	13.000 kg
Conveyor Height	900 mm
Capacity	1 Mattress/40 sec
Roll-Pack Roll Diameter	25 cm-50 cm
Max. Press Load	57 ton (100 Bar)
Max. Mattress Size	W:2150 mm L:2150 mm H:500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:50 mm
Nylon Thickness	50-160 microns
Press System	Hydraulic
Electricity	380 VAC (III+N+TT)
Air Pressure	6-8 bar
Power	22 kW
CE Certificate	Yes

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LM-PG/2000 HIGH SPEED

AUTOMATIC PACKAGING MACHINE

► Automatic pressing system reduces the mattress packing volume

► Package Loading Elevator.

► A bonding system that prevents any bonding errors.



Automatic
Packaging Machine

www.lineermakina.com



LM-PG/2000
HIGH SPEED AUTOMATIC
PACKAGING MACHINE

Machinery Partner

Mattresses are packaged by being inserted into a package using a nylon roll located in the upper and lower parts of the machine. The packing system protects mattresses from dust, stains and moisture

It is a fully automatic mattress and box spring packing machine. Its flexible and ergonomic working principle provides you a great package for different sizes and weights without requiring any adjustment

Easy packaging feature for cardboard and non-cardboard products

With its pneumatic pressing system, it provides a tight packaging for mattresses as well as a faster packaging

The machine located inside a cabin and the switches that are located on the cabin doors ensure a safer working environment for the operator

APPLICATION AREA

Mattress Industry
Foam Industry
Base/Headboard

MATERIALS

Mattress, Foam, Base and Headboard,
Polyethylene Film



GENERAL FEATURES

It features an automatic width, length, and height recognition system to detect different mattress, box-spring and headboard sizes

The mattress can be packed horizontally

The waiting system installed between the middle and side sealing units ensures faster packing

The automatic pressing system reduces the mattress packing volume

Features adjustable cooling time for the various nylon thicknesses via the sealing units

A water-cooling system installed at the side and middle sealing units ensures maximum bonding quality

The side sealing units automatically adjusts to the mattress height. This increases the packaging quality by positioning the bonding point right at the middle of the mattress

The packing tension can be adjusted from the operator panel

Features an automatic side film cutting system

With the Gripper System, all cut side film waste is sent to the waste system

Features an upper roller side film elevator, which facilitates the safe and easy replacement of the machine's Polyethylene Film roll

Can be serviced online

Features a long-life Festo pneumatic system with low air consumption

Comes with a standard nylon-loading elevator

A bonding system that prevents any bonding errors through an instant heating system

The homogeneous heat distribution system requires the minimum resistance change

Double packaging is available

With its pneumatic press, it provides a faster packaging for mattresses



EQUIPMENT DETAILED INFORMATION PACKAGE LOADING ELEVATOR

It is used to effortlessly transport the packaging material located inside the machine to the upper part of the machine
Maximum operating safety is maintained during this process



STANDARD

Package Loading Elevator
Water-Cooled Sealing Unit
Gripper System for Nylon Waste Removal
Movable Side Sealing Lower Sealing Units
Feeding Conveyor
Exit Idler Conveyor

OPTIONS

Mattress Stacking Machine
Buffer System

GRIPPER SYSTEM FOR NYLON WASTE REMOVAL

Following the side sealing process, the side waste parts of the package that were cut with a pneumatic knife are removed from the sealing unit with the gripper arm and deposited in the waste reservoir. This prevents the nylon waste from sticking to the sealing units and reducing the packing waste

MOVABLE SIDE SEALING LOWER SEALING UNITS

Once the mattress has been inserted into the side sealing chamber, it is taken into the side sealing unit without any deformation, such as folding incurred by the lower position of the sealing units. During the side sealing process, the bottom sealing units rise to the center of the mattress. The sealing process takes place right in the middle of mattress, thereby providing a superior packaging quality

MATTRESS STACKING MACHINE

The packed mattress is automatically stacked on pallets. Its flexible and ergonomic working principle saves labor and time by stacking the mattresses according to size and weight. The safety barrier surrounding the machine provides a safe working environment

BUFFER SYSTEM

The Buffer System initiates prior to packing and stacks the mattress automatically once the packing machine stops. When the packing machine commences operation, it automatically leads the mattresses to the packing machine, ensuring the continuation of the packing process without any interruption

WATER-COOLED SEALING UNIT

Cooling is carried out during the sealing process by passing pressurized water through the sealing unit. Rapid cooling of the sealed package maximizes the binding quality. The water-cooling process involves a patented custom-extruded sealing unit, water tank (40 L) and water pump



TECHNICAL DATA LM-PG/2000 HIGH SPEED

Machine Size	W:3500 mm L:10000 mm H:2500 mm
Machine Weight	6000 kg
Conveyor Height	900 mm
Capacity	1 mattress/25 sec
Max. Mattress Size	W:2150 mm L:2150 mm H:500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:50 mm
Nylon Thickness	50-160 micron
Press System	Pneumatic
Max Press Power	6 bar (1000 kg)
Electric	380 VAC (III+N+T)
Power	11 kW
Air Pressure	6-8 bar
CE Certificate	Yes



LM-PG/3100
POWER PACK
AUTOMATIC PACKAGING MACHINE

Machinery Partner

GENERAL FEATURES

It features an automatic width, length and height recognition system to detect different mattress sizes

The mattress can be packed horizontally

The waiting system installed between the middle and side sealing units ensures faster packing

The automatic pressing system reduces the mattress packing volume

Features adjustable cooling time for the various nylon thicknesses via the sealing units

A water-cooling system installed at the side and middle sealing units ensures maximum bonding quality

The conveyor located in the upper press system detects the mattress height and presses the mattress beforehand, helping to optimize the packaging speed and quality

The side sealing units automatically adjusts to the mattress height. This increases the packaging quality by positioning the bonding point right at the middle of the mattress

The packing tension can be adjusted from the operator panel

Features an automatic side film cutting system With the Gripper System, all cut side film waste is sent to the waste system

Features an upper roller side film elevator, which facilitates the safe and easy replacement of the machine's Polyethylene Film roll

Can be serviced online

Features a long-life Festo pneumatic system with low air consumption

Mattresses are packaged by being inserted into a package using a nylon roll located in the upper and lower parts of the machine. The packing system protects mattresses from dust, stains and moisture

LM-MP-R/7000 Full Pack is a fully automatic mattress packing machine that, through its superior packing feature, provides faster production and a safer working area

With its flexible and ergonomic working principle, this machine minimizes the operator workload by packing various-sized mattresses and roll-mattresses without requiring adjustments The machine located inside a cabin and the switches that are located on the cabin doors ensure a safer working environment for the operator

With a 60-ton hydraulic press, this machine can pack mattresses without requiring a roll-pack.

This feature helps minimize packing volume for your innerspring mattresses

MATERIALS

Mattress, Foam, Polyethylene Film

APPLICATION AREA

Mattress Industry
Foam Industry



Comes with a standard nylon-loading elevator

A bonding system that prevents any bonding errors through an instant heating system

The homogeneous heat distribution system requires the minimum resistance change

Double packaging is available



STANDARD

Package Loading Elevator

Water-Cooled Sealing Unit

Gripper System for Nylon Waste Removal

Movable Side Sealing Lower Sealing Units

Feeding Conveyor

Exit Idler Conveyor

OPTIONS

Mattress Stacking Machine

Buffer System

WATER-COOLED SEALING UNIT

Cooling is carried out during the sealing process by passing pressurized water through the sealing unit Rapid cooling of the sealed package maximizes the binding quality. The water-cooling process involves a patented custom-extruded sealing unit, water tank (40 L) and water pump

GRIPPER SYSTEM FOR NYLON WASTE REMOVAL

Following the side sealing process, the side waste parts of the package that were cut with a pneumatic knife are removed from the sealing unit with the gripper arm and deposited in the waste reservoir. This prevents the nylon waste from sticking to the sealing units and reducing the packing waste

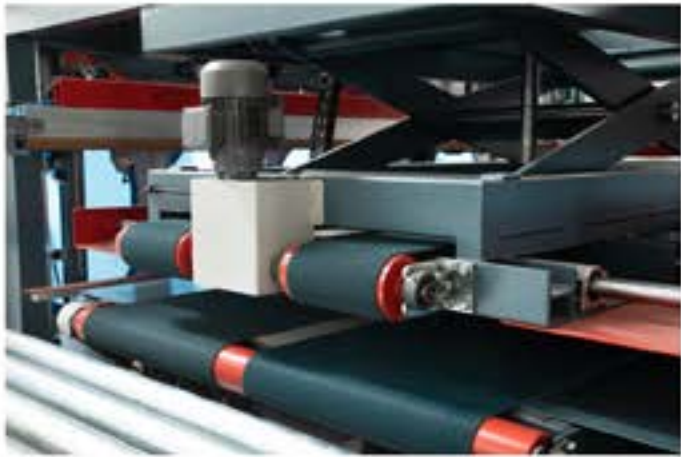
EQUIPMENT DETAILED INFORMATION PACKAGE LOADING ELEVATOR

It is used to effortlessly transport the packaging material located inside the machine to the upper part of the machine

Maximum operating safety is maintained during this process

ROLL-PACK UNIT

The pressed and packed product enters the packing machine where it will be rolled
The strength of the package is increased by wrapping the stretch film on the rolled mattress
The required roll diameter is adjustable through the screen by the operator
An optional boxing system can be installed on the rear end of the machine to box the product automatically
Rolling is a fully automatic process with no manual intervention required
The rolling drums are made of steel drawn (seamless) pipes with a 20 mm thickness. This ensures the machine's durability and longevity
By passing aluminum pipes on the rolling drums, product alignment is maintained and product damage is prevented
The diameter adjustment system is hydraulic. If the operator inputs the wrong diameter, the system will expand itself automatically by checking the pressure
The wrapped stretch film layer can be adjusted from the operator panel



MATTRESS FOLDING UNIT

Following the press and packing process, the mattress is sent to the roll-pack machine to initiate the folding process. The folding process is completed by pneumatic arms
Following the folding process, it leads the mattress centered according to the roll-pack machine to ensure a smooth roll-pack
The folding system is used to create smaller roll-packs in terms of volume
By this unit, the roll-pack length does not exceed 1.200 mm

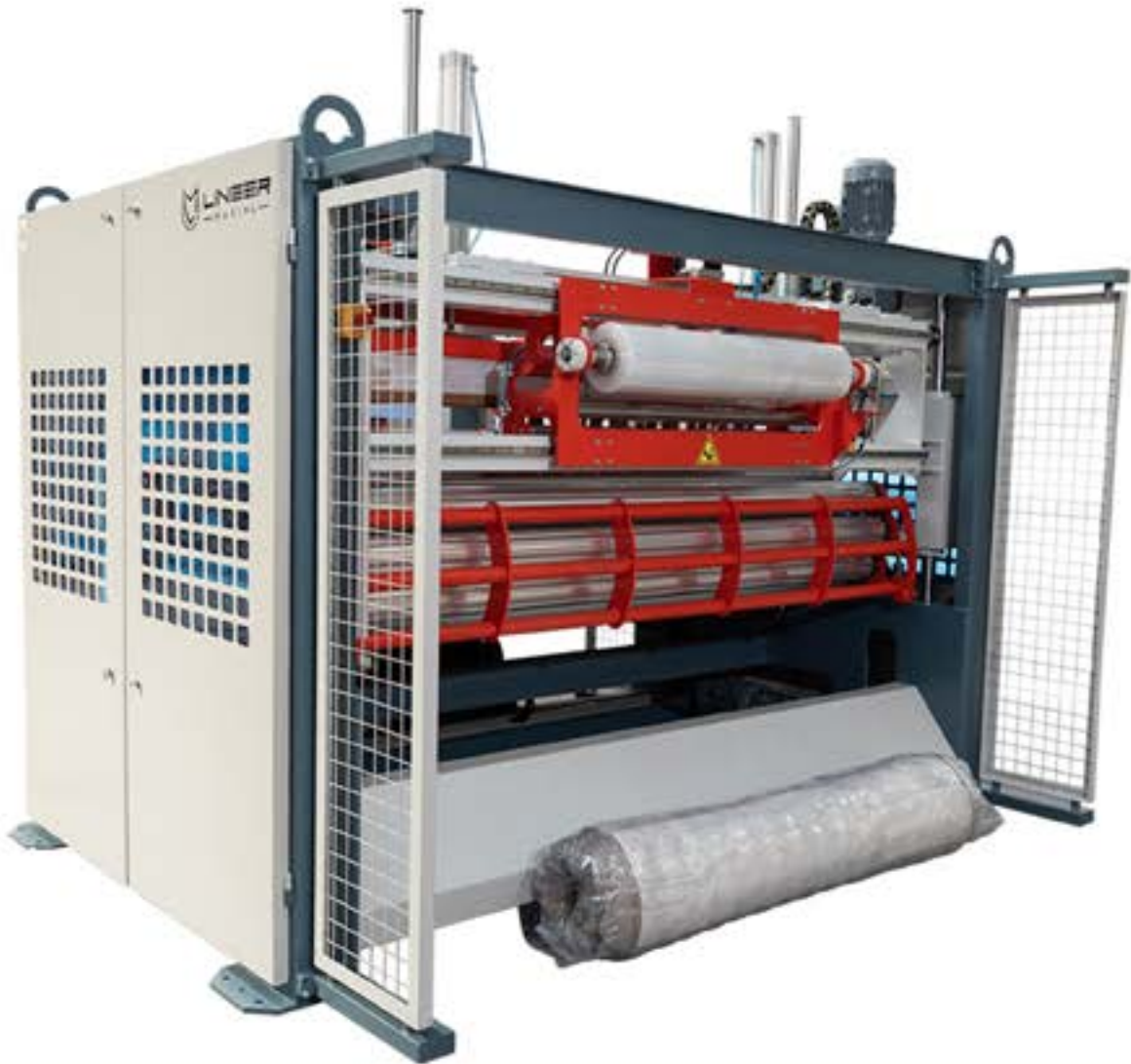


MATTRESS STACKING MACHINE

The packed mattress is automatically stacked on pallets
Its flexible and ergonomic working principle saves labor and time by stacking the mattresses according to size and weight
The safety barrier surrounding the machine provides a safe working environment

BUFFER SYSTEM

The Buffer System initiates prior to packing and stacks the mattress automatically once the packing machine stops
When the packing machine commences operation, it automatically leads the mattresses to the packing machine, ensuring the continuation of the packing process without any interruption



TECHNICAL DATA		LM-PG-R/4400
Machine Size	W:5000 mm L:16.000 mm H: 3000 mm	
Machine Weight	13.000 kg	
Conveyor Height	900 mm	
Capacity	1 Mattress/40 sec	
Roll-Pack Roll Diameter	25 cm-50 cm	
Max. Press Load	57 ton (100 Bar)	
Max. Mattress Size	W:2150 mm L:2150 mm H:500 mm	
Min. Mattress Size	W:700 mm L:1800 mm H:50 mm	
Nylon Thickness	50-160 microns	
Press System	Hydraulic	
Electricity	380 VAC (III+N+TT)	
Air Pressure	6-8 bar	
Power	22 kW	
CE Certificate	Yes	

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LM-PG-R/4100

SEMI-AUTOMATIC PRESS AND ROLL-PACK MACHINE



Semi-Automatic Press and Roll-Pack Machine



► The required roll diameter is adjustable through the screen by the operator.

► Water-cooled sealing unit.

► The diameter adjustment system is hydraulic.



LM-PG-R/4100
SEMI-AUTOMATIC PRESS AND
ROLL-PACK MACHINE

Machinery Partner

It is a semi-automatic packing machine that presses foam, spring mattress and mattress pads. The product that is inserted in three-side closed bag-shaped package is pressed by 60 tons hydraulic press and open part of the package is sealed.

The pressed product is vacuumed by closing the mouth part. Afterwards the product is automatically transferred to the roll-pack unit. In this unit, the product is wrapped in roll-form and the package process is carried out by wrapping stretch unit.

An optional boxing system can be installed on the rear end of the machine. An optional pre-feeding conveyor at the inlet of the machine. Machine consists of two parts: prepress and back roll pack unit.

APPLICATION AREA

Mattress Industry

MATERIALS

Foam
Spring /Foam Mattress
Mattress Pads
Quilted Panels and Duvets



GENERAL FEATURES PRE-PRESS UNIT

The machine has a 100-liter tank and 60 tons hydraulic press system.

The pressed table has four bearing system with racks to make a better-balanced press.

Lower press conveyor consists of two parts. Thus, provides a stronger press with a stronger base plate.

There is a adjustable sealing system on the panel.

Double sealing system ensures a safer and stronger vacuum.

By water-cooled sealing unit in welding jaw provides a stronger welding feature.

Functional touch screen at the machine.



BACK ROLL PACK-UNIT

The pressed and packed product enters the packing machine where it will be rolled.

The strength of the package is increased by wrapping the stretch film on the rolled mattress.

The required roll diameter is adjustable through the screen by the operator.

An optional boxing system can be installed on the rear end of the machine to box the product automatically.

Rolling is a fully automatic process with no manual intervention required.

The rolling drums are made of steel drawn (seamless) pipes with a 20 mm thickness. This ensures the machine's durability and longevity.

By passing aluminum pipes on the rolling drums, product alignment is maintained and product damage is prevented.

The diameter adjustment system is hydraulic. If the operator inputs the wrong diameter, the system will expand itself automatically by checking the pressure.

The wrapped stretch film layer can be adjusted from the operator panel.

STANDARD

Hydraulic Press Unit
Roll-Pack Unit
Control Panel
Water-Cooled Sealing Unit

OPTIONS

Rear Carton Boxing System
Entrance Feeding Conveyor



EQUIPMENT DETAILED INFORMATION
REAR CARTON BOXING SYSTEM

The machine allows the roll-pack processed product to put in the box without requiring any labor efforts. Thus, saves time and labor

ENTRANCE FEEDING CONVEYOR

It enables the product to be inserted to the packing easier during the preparation phase. It eases the transfer of the pre-packaged products into the press. Thus, prevents labor and time loss.



TECHNICAL DATA		LM-PG-R/4100
Machine Size	W:3200 mm L:5400 mm H:2700 mm	
Weight	8500 kgs	
Capacity	1 mattress/50 sec	
Max. Mattress Size	W:2100 mm L:2200 mm H:480 mm	
Mattress Exit Diameter	260-500 mm (Adjustable)	
Maximum Press Power	60 tons	
Roller Packing System	PE or Stretch Film Roller & Sealing	
Voltage	380 VAC (III+N+T)	
Power	15 kW	
Pressured Air	6 bar	
Ce Certificate	Yes	



TOUCH SCREEN



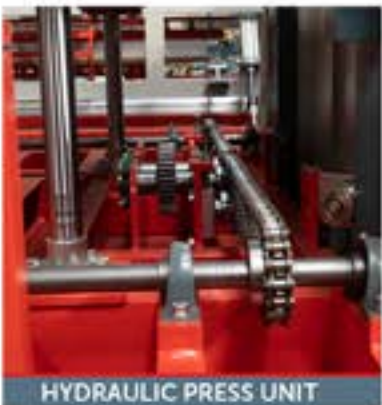
MACHINE SAFETY BUTTON



MACHINE SAFETY SENSOR



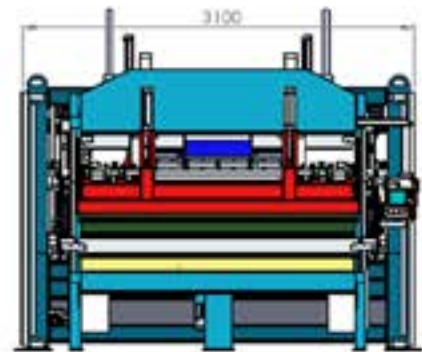
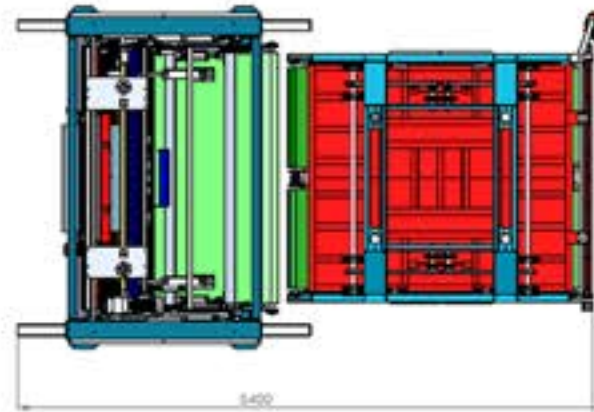
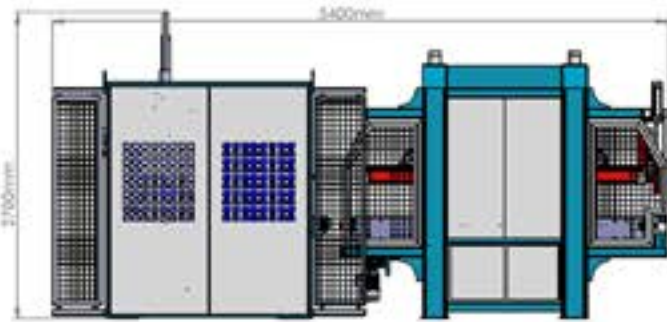
WATER-COOLED SEALING UNIT



HYDRAULIC PRESS UNIT



PACKAGING UNIT





LM-PG/3200
PRESS PACK SEMI-AUTOMATIC
PACKAGING MACHINE

Machinery Partner

GENERAL FEATURES

The machine has a 100-liter tank and 60 tons hydraulic press system
The pressed table has four bearing system with racks to make a better-balanced press
Lower press conveyor consists of two parts. Thus, provides a stronger press with a stronger base plate
There is an adjustable sealing system on the panel
Double sealing system ensures a safer and stronger vacuum
By water-cooled sealing unit in welding jaw provides a stronger welding feature
Functional touch screen at the machine

STANDARD

Hydraulic Press Unit
Operator Touch Screen
Water-Cooled Sealing Unit

OPTIONS

Entrance Feeding Conveyor
Package Wrapping Table
Pneumatic Nylon Waste Cutting System

EQUIPMENT DETAILED INFORMATION OPERATOR TOUCH SCREEN

Machine heat setting, sealing and cooling times are adjustable through the touch screen. It ensures maximum sealing quality in case of using a different packaging

WATER-COOLED SEALING UNIT

Cooling is carried out during the sealing process by passing pressurized water through the sealing unit
Rapid cooling of the sealed package maximizes the binding quality. The water-cooling process involves a patented custom-extruded sealing unit, water tank (40 L) and water pump

PNEUMATIC NYLON WASTE CUTTING SYSTEM

Following the sealing process, a smoother packaging appearance is provided by cutting the waste part of the sealed bag

ENTRANCE FEEDING CONVEYOR

It enables the product to be inserted to the packing easier during the preparation phase. It eases the transfer of the pre-packaged products into the press. Thus, prevents labor and time loss

It is a machine where the mattress is inserted into three closed packaging sides and seals the open mouth part of the packaging with press or without press

This machine requires two operators to run

The packaging process can be carried out manually on the table in front of the machine

The packed mattress is inserted to the machine and press is completed without sealing the open mouth part of the packing. After pressing, the open mouth of the package is sealed

The pressed and packaged product can be sent to a second press through the automatic stacker for stacking, directed to the roll-pack machine, or passed and removed from the manual packaging machine to be stacked onto a pallet

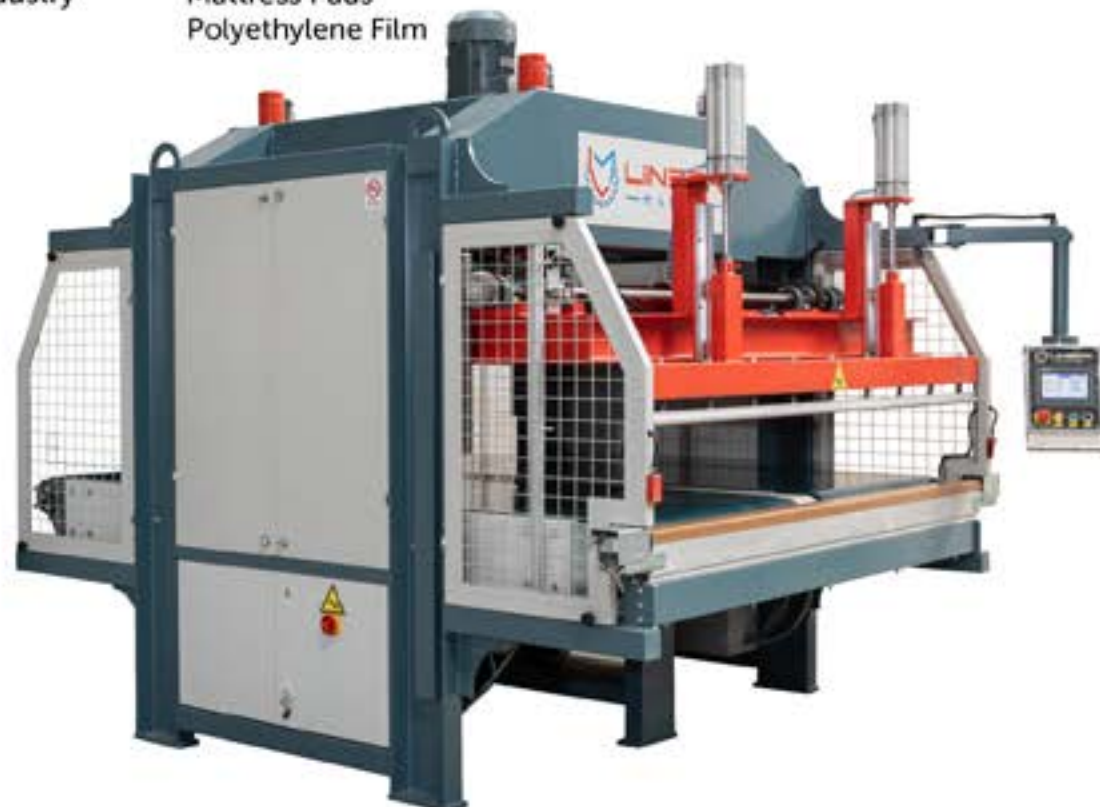
Foam, spring mattress, and pads can all be pressed and packaged with this machine

APPLICATION AREA

Mattress Industry
Foam Industry

MATERIALS

Foam
Spring/Foam Mattress
Mattress Pads
Polyethylene Film



TECHNICAL DATA

LM-PG/3200

Machine Size	W:2400 mm L:3200 mm H:2600 mm
Machine Weight	3500 kg
Conveyor Height	900 mm
Capacity	1 Mattress/1 min
Max. Mattress Size	W:2150 mm L:2150 mm H:500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:50 mm
Nylon Thickness	50-160 microns
Electricity	380 VAC (III+N+TT)
Air Pressure	6-8 bar
Power	7.5 kW
CE Certificate	Yes



LM-PG-R/4200
ROLL-PACK MACHINE

Machinery Partner

GENERAL FEATURES ROLL-PACK UNIT

The pressed and packed product enters the packing machine where it will be rolled.

The strength of the package is increased by wrapping the stretch film on the rolled mattress.

The required roll diameter is adjustable through the screen by the operator. An optional boxing system can be installed on the rear end of the machine to box the product automatically.

Rolling is a fully automatic process with no manual intervention required. The rolling drums are made of steel drawn (seamless) pipes with a 20 mm thickness. This ensures the machine's durability and longevity.

By passing aluminum pipes on the rolling drums, product alignment is maintained and product damage is prevented.



It is a semi-automatic packing machine that presses foam, spring mattress and mattress pads. This machine transfers the product into the roll-pack machine without requiring any pre-packaging processes.

The product is transferred to the roll-pack unit automatically via a feeding conveyor. In this unit, the product wrapped in roll-form is pushed into the bag which is placed at the side of the machine and the packing process is carried out. A standard pre-feeding conveyor at the inlet of the machine.

Machine consists of two parts: pre-feeding conveyor and back roll pack unit.

A total of two operators are required to run the machine: one operator at the pre-feeding section and one operator at the roll-pack unit.

APPLICATION AREA

Foam
Pocket Spring/Foam Mattress

MATERIALS

Foam
Pocket Spring/Foam Mattress
Mattress Pads
Polyethylene Film

STANDARD

Roll-Pack Unit
Entrance Feeding Conveyor

EQUIPMENT DETAILED INFORMATION ENTRANCE FEEDING CONVEYOR

It enables the product to be inserted to the packing easier during the preparation phase. It eases the transfer of the pre-packaged products into the press. Thus, prevents labor and time loss.

TECHNICAL DATA

LM-PG-R/4200

Mattress Weight	3000 kgs
Mattress Weight	1 mattress /20 sec
Mattress Weight	W: 2100 mm L: 2200 mm H: 350 mm
Roll-Pack Diameter	320 mm
Roller Packing System	PE, Streç Film Rulolama & Yapıştırma
Electric	380 VAC (III+N+T)
Power	7 kW
Air Pressure	6 Bar
Ce certificate	Evet



LM-PG-R/4300
SEMI-AUTOMATIC PRESS and
ROLL-PACK MACHINE

Machinery Partner

It is a semi-automatic packing machine that presses foam, spring mattress and mattress pads. The product that is inserted in three-side closed bag-shaped package is pressed by 60 tons hydraulic press and open part of the package is sealed.

The pressed product is vacuumed by closing the mouth part. Afterwards the product is automatically transferred to the roll-pack unit. In this unit, the rolled-up and wrapped product is pushed into a bag on the side of the machine to be packaged. An optional pre-feeding conveyor at the inlet of the machine.

Machine consists of two parts: pre-feeding conveyor and back roll pack unit. A total of two operators are required to run the machine: one operator at the pre-feeding section and one operator at the roll-pack unit.

APPLICATION AREA
Mattress Industry
Foam Industry

MATERIALS
Foam
Pocket Spring/Foam Mattress
Mattress Pads
Polyethylene film

STANDARD
Hydraulic Press Unit
Roll-Pack Unit
Control Panel
Water-Cooled Sealing Unit

GENERAL FEATURES PRE-PRESS TECHNICAL FEATURES

The machine has a 100-liter tank and 60 tons hydraulic press system.
The pressed table has four bearing system with racks to make a better-balanced press.
Lower press conveyor consists of two parts. Thus, provides a stronger press with a stronger base plate.
There is a adjustable sealing system on the panel. Double sealing system ensures a safer and stronger vacuum.
By water-cooled sealing unit in welding jaw provides a stronger welding feature.
Functional touch screen at the machine.

BACK ROLL PACK-UNIT

The pressed and packed product enters the packing machine where it will be rolled.
The strength of the package is increased by wrapping the stretch film on the rolled mattress.
The required roll diameter is adjustable through the screen by the operator.
An optional boxing system can be installed on the rear end of the machine to box the product automatically.
Rolling is a fully automatic process with no manual intervention required.
The rolling drums are made of steel drawn (seamless) pipes with a 20 mm thickness. This ensures the machine's durability and longevity.
By passing aluminum pipes on the rolling drums, product alignment is maintained and product damage is prevented.
The diameter adjustment system is hydraulic. If the operator inputs the wrong diameter, the system will expand itself automatically by checking the pressure.
The wrapped stretch film layer can be adjusted from the operator panel.

OPTIONS
Entrance Feeding Conveyor

EQUIPMENT DETAILED INFORMATION ENTRANCE FEEDING CONVEYOR

It enables the product to be inserted to the packing easier during the preparation phase. It easiest the transfer of the pre-packaged products into the press. Thus, prevents labor and time loss.



TECHNICAL DATA

LM-PG-R/4300

Machine Size	W: 2300 mm L: 8500 mm H: 2600 mm
Machine Weight	7000 kg
Capacity	1 mattress/40 sec
Max. Press Power	60 tons
Roller Package System	PE, Stretch Film Rolling & Sealing
Max. Mattress Size	E: 2100 mm B: 2200 mm Y: 350 mm
Roll-Pack Diameter	320 mm
Electric	380 VAC (III+N+T)
Power	12 kW
Air Pressure	6 Bar
Ce Certificate	Yes



LM-PG/1000
EASY PACK MANUAL
PACKAGING MACHINE

Machinery Partner

GENERAL FEATURES

With water-cooled system, it maximizes the sealing quality.
A low voltage resistance system makes it safe to work with.
Temperature can be controlled via the panel.
The machine offers the user the choice to work with a single or double layer of nylon.
It can then put corner cardboard packaging in place

EQUIPMENT DETAILED INFORMATION WATER-COOLED SEALING UNIT

Cooling is carried out during the sealing process by passing pressurized water through the sealing unit.
Rapid cooling of the sealed package maximizes the binding quality. The water-cooling process involves a patented custom-extruded sealing unit, water tank and water pump.

OPERATOR TOUCH SCREEN:

Machine heat setting, sealing and cooling times are adjustable through the touch screen. It ensures maximum sealing quality in case of using a different packaging.

PNEUMATIC NYLON WASTE CUTTING SYSTEM

Following the sealing process, a smoother packaging appearance is provided by cutting the waste part of the sealed bag.

It is a packing machine that the product is inserted in three-side closed bag-shaped package and open part of the package is sealed.
This machine requires two operators to run.
The packaging process can be carried out manually on the table in front of the machine.
The packaging process is completed by sealing the open packaging part.

APPLICATION AREA

Mattress Industry
Foam Industry
Box-spring/Headboard

MATERIALS

Polyethylene Film, Box-Spring, Headboard

STANDARD

Package Wrapping Table
Water-Cooler Sealing Unit

OPTION

Package Wrapping Roller Conveyor
Roll-Shaped Polyethylene Nylon Attachment Device
Operator Touch Screen
Pneumatic Nylon Waste Cutting System



TECHNICAL DATA

LM-PG/1000

Machine Size	W:3500 mm L:2500 m H:1300 m
Machine Weight	500 kg
Desk Height	90 cm
Capacity	1 mattress/1 min
Max. Mattress Size	W:2150 mm L:2150 mm H: 500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:50 mm
Nylon Thickness	50-160 microns
Power	2000 VA
Voltage	380 VAC (III+N+T)
Air Pressure	6-8 bar
CE Certificate	CE Certificate Yes
CE certificate	Yes





LM-PG/5000
COMPRESS PACKAGING LINE

Machinery Partner

GENERAL FEATURES FIRST PRESS

The machine has a 100-liter tank and 60 tons hydraulic press system. The pressed table has four bearing system with racks to make a better-balanced press. Lower press conveyor consists of two parts. Thus, provides a stronger press with a stronger base plate. There is a adjustable sealing system on the panel. Double sealing system ensures a safer and stronger vacuum.

By water-cooled sealing unit in welding jaw provides a stronger welding feature. Functional touch screen at the machine.

LM-SR/3300 TELESCOPIC PALLETIZING CONVEYOR

This system is used to automatically place those mattresses that have been stacked by an automatic stacking machine onto pallets without requiring any labor force. It is also used to stack packaged foam, mattresses, and box springs onto pallets. The conveyor increases efficiency and reduces the amount of labor needed after packaging. With its flexible structure, it can easily be adapted to any part of your production line. Occupational diseases caused by lifting are prevented.

It can work as a solution for sealing, packaging, and foam cutting lines. It is able to stack mattresses of varying sizes and weights without requiring any adjustment. Thanks to automatic stacking, a better and more stable mattress alignment is ensured.

By stacking mattresses automatically, an operator is not required.

The conveyor is highly ergonomic and promotes a safer working environment. It also provides an opportunity to use different pallets and carriers.

The machine uses sensors to automatically detect whether a mattress is present or not. Can be serviced online.

The hydraulic lifting system means that stacking heavier products is easier than ever before. The machine can also be used to stack and pack pressed mattresses into a second press.

Mattress compress packaging line consists of 2 hydraulic presses and 1 automatic stacker machine. With the help of stacker machine, the pressed and packed products are stacked into a second press at the first press. Following the first press, the products are bound at the second press and the packaging process is completed. 20 mattresses at approximately 20 cm height can be bonded by being pressed up to a height of 1.20 m.

The first press is machine that the mattress is inserted in three-side closed bad-shaped package and open part of the package is sealed. This machine requires two operators to run. The package wrapping process is carried out manually on the table at the front of the machine. Packaged mattresses are inserted into the machine. The pressing process is carried out without sealing the mouth of the bag. After pressing, the open mouth of the package is sealed.

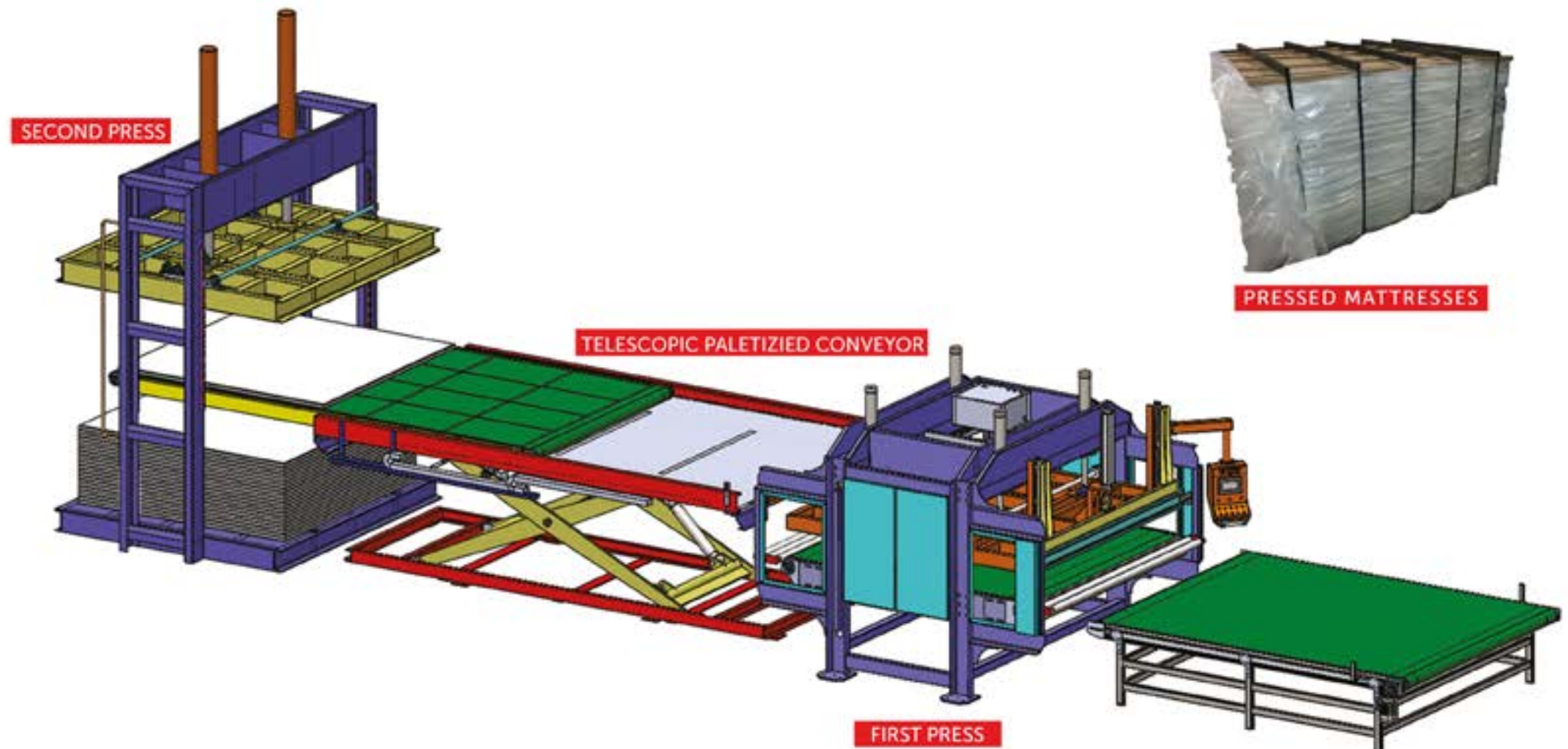
With the automatic stacking machine, pressed and packaged products can then be sent to the second press. Once the mattresses have been stacked on the second press, pressing can begin by feeding the mattresses from wooden pallets. As the products are being pressed, they are connected by a strip binding machine. The press is then opened and the product is removed using a forklift.

APPLICATION AREA

Mattress Industry
Foam Industry

MATERIALS

Foam, Latex
Pocket Spring, Bonel Spring/Foam Mattress
Polyethylene Film



SECOND PRESS

The machine has a 100-liter tank and 60 tons hydraulic press system.
The pressed table has four bearing system with racks to make a better-balanced press.
Products measuring up to 2 m can be fed inside the press
It can press up to minimum 500 mm.

OPTIONS

Entrance Feeding Conveyor
Pneumatic Nylon Waste Cutting System

DETAILED EQUIPMENT DETAILS OPERATOR TOUCH SCREEN

Machine heat setting, sealing and cooling times are adjustable through the touch screen. It ensures maximum sealing quality in case of using a different packaging.

STANDARD

Hydraulic Press Unit
Telescopic Palletized Conveyor
Operator Touch Screen
Water-Cooled Sealing Unit
Package Wrapping Table



WATER-COOLED SEALING UNIT

Cooling is carried out during the sealing process by passing pressurized water through the sealing unit. Rapid cooling of the sealed package maximizes the binding quality. The water-cooling process involves a patented custom-extruded sealing unit, water tank (40 L) and water pump.

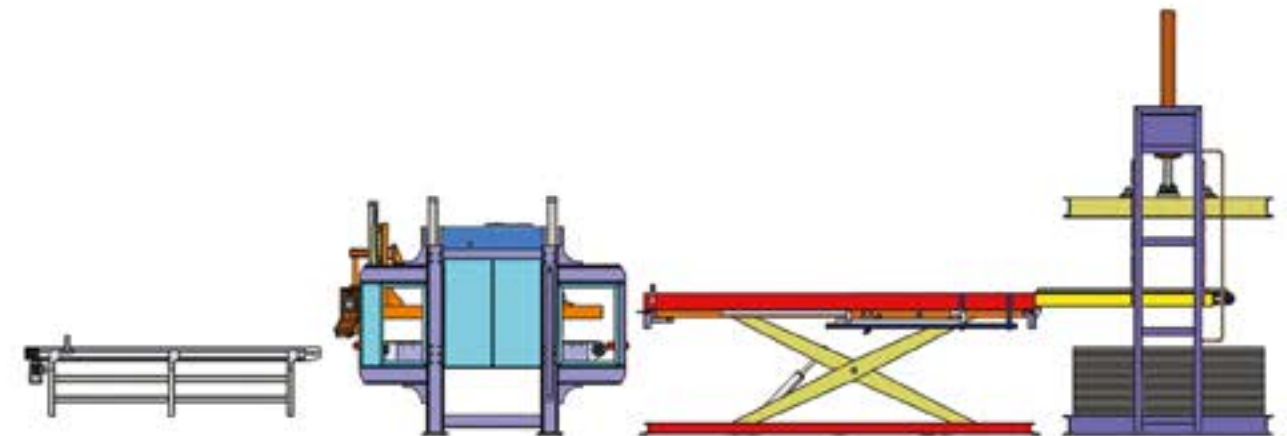


ENTRANCE FEEDING CONVEYOR

It enables the product to be inserted to the packing easier during the preparation phase. It eases the transfer of the pre-packaged products into the press. Thus, prevents labor and time loss

PNEUMATIC NYLON WASTE CUTTING SYSTEM

Following the sealing process, the waste section of the sealed bag is cut off to ensure a smoother look





LM-PG/6100
AUTO-SHRINK BASE
PACKAGING MACHINE

Machinery Partner

LM-PG/6100 is a fully automatic base packaging machine that covers the bases with polyethylene film that have passed the quality control process. The product passes through the oven automatically for shrinking once they are packed in the packaging unit in the first place. Afterwards the heat is applied around the product to shrink PE film to have a tighter packaging surface in the oven. Thanks to its tighter and wrapping quality, it prevents the product from dust, dirt and moisture and features a safer and smoother storage. The operator is not being required since it packs the products automatically. With its automatic alignment system, the packaging unit aligns the bases automatically after the quality control process and provides single or double packaging options in accordance with the customer demand. Automatic base packaging machine consists of two parts which are packaging and oven unit. It is high-speed packaging machine than its equivalent. With its backup packaging equipment, it provides you double packaging feature. The machine has an ergonomic and solid chassis.

APPLICATION AREA

Mattress Industry
Furniture Industry
Isolation Industry

MATERIALS

Base
Polyethylene Film
Cardboard



GENERAL FEATURES

Automatic base alignment locates on the entrance conveyor to align the bases. With its water-cooled welding jaws, it ensures a smoother sealing thus maximizes the packaging quality. Since packaging process is carried out quicker and faster, it saves time and labour cost. Product packaging process is carried out automatically. It has a nylon-loading elevator. With its nozzles located in the oven, it can divert the hot air easily. With the help of its sensors, it can detect and run the oven automatically whether there is a product in the machine. The oven is a thermally isolated. Oven conveyor is made of fireproof material. There are 4 cooling fans located at the exit of oven. There are 4 pieces of cassette type resistors with 1500 kW located in the oven. Conveyor speed is adjustable through the panel.

STANDARD

Entrance Alignment Conveyor
Packaging Conveyor
Exit Conveyor
Oven

OPTIONS

Cardboard Feeding Conveyor
Base Stacker Machine



TECHNICAL DATA

LM-PG/6100

Line Size	W:14000 mm L:3600 mm H:2300 mm
Line Weight	2200 kg
Product Feeding Height	750-800 mm
Welding Jaws	Water-cooled system
Oven Size	W:2500 mm L:4500 mm H:1400 mm
Packaging Speed	1 base/45 sec (depends on the product size)
Max. Product Size	W:1200 mm L:2000 mm H:650 mm
Nylon Type	Polyethylene Film
Power	70 kW
Electric	380 VAC (III+N+TT)
Air Pressure	6 bar
CE Certificate	Yes



LM-PG/7100
FIBER PACKAGING MACHINE

Machinery Partner

With the help of the pneumatic arms, the fiber roll volume reduces up to %50. The packaging process completed when the fiber roll with reduced volume is inserted into the three closed packaging side manually by the operator

Once the packaging process is completed, the press arms are opened up to the size of packaging roll with help of the buttons located on the machine. The packed product is easily removed from the machine thanks to its push arm
It requires 2 operators at the machine

GENERAL FEATURES

With the help of the pneumatic arms, the fiber roll volume reduces up to %50
It has 6 arms with pneumatic system
It is simple and ergonomic machine to use
It saves the storage area since packaging process reduces the roll fiber volume

APPLICATION AREA

Mattress Industry
Fiber Industry

MATERIALS

Roll Fiber

It is a packing machine that reduces the volume of a roll fiber with its pneumatic compression arms without damaging the product to carry out packaging process
How does the machine work?

A roll fiber is placed into to the pneumatic press arms and compress process get started by pressing the buttons located on the machine



TECHNICAL DATA

LM-PG/7100

Machine Size	Machine Size W:2200 mm L:5500 mm H:2200 mm
Machine Weight	1200 kg
Max. Product Diameter	1200 mm
Max. Product Length	2200 mm
Power	4 kW
Electric	380 VAC (III+N+TT)
Air Pressure	6 bar



FIBER PACKAGING MACHINE

The fiber roll volume reduces up to %50
It saves the storage area
It is simple and ergonomic machine

machinery
partner

CONVEYORS





LM-CON/1100
SILICON BELT
CONVEYOR

Machinery Partner

Used as a transfer conveyor line at manual mattress assembly systems and automatic mattress production lines
It should be used at the inlet & exit conveyor manual gluing lines as well the areas that run a high risk of glue contamination on the belt
The cleaning process is simplified due to the silicone coating on the conveyor belt

GENERAL FEATURES

2 mm silicone coated anti-static band
The chassis is made of 3 mm especially bended steel sheet
The conveyor drive and idler drum are made of Ø140 mm seamless drawn pipe
The conveyor speed is 20 m/min and speed adjustment are available
The conveyor belt must be stretched between four points to allow for better adjustment
A coupled reducer system has been used in the driving drum
The conveyor can be operated in manual or automatic mode

APPLICATION AREA

Mattress Industry
Gluing Line

MATERIALS

Pre-Assembled Mattress Frame
Mattress Panel
Felt and Foam



TECHNICAL DATA

LM-CON/1100

Conveyor Size	W:2200 mm L:2300 mm H:900 mm
Conveyor Size	900 mm
Conveyor Size	2 mm Silicone PVC
Max. Conveyor Speed	20 m/min
Max. Mattress Size	W:2200 mm L:2200 mm
Max. Mattress Weight	160 kg
Max. Mattress Weight	0.75 kW
Electric	380 VAC (III+N+TT)

Used as a transfer conveyor line at manual mattress assembly systems and automatic mattress production lines
This conveyor line can be used for all mattress production processes apart from gluing stages

APPLICATION AREA

Mattress Industry

MATERIALS

The pre-assembly processed mattress
Mattress panel
Felt and foam
Assembled and packed products



LM-CON/1200
PVC BELT
CONVEYOR



Machinery Partner

GENERAL FEATURES

2.7 mm PVC coated anti-static band
The chassis is made of 3 mm specially-bended steel sheet
The conveyor drive and idler drum are made of Ø140 mm seamless drawn pipe
The conveyor speed is 20 m/min and speed adjustment are available
The conveyor belt must be stretched between four points to allow for better adjustment
A coupled reducer system has been used in the driving drum
The conveyor can be operated in manual or automatic mode

TECHNICAL DATA

LM-CON/1200

Conveyor Size	W:2200 mm L:2300 mm H:900 mm
Product Feeding Height	900 mm
Belt Type	2,7 mm PVC
Max. Conveyor Speed	20 m/min
Max. Mattress Size	20 m/min
Max. Mattress Weight	160 kg
Power	0.75 kW
Electric	380 VAC (III+N+TT)



LM-CON/1300
PNEUMATIC PRESS
CONVEYOR

Machinery Partner

The pneumatic conveyor line features advanced sealing for finished or semi-finished mattresses, thus ensuring the fail-safe manufacture of more durable mattresses. With its flexible and ergonomic working principle, this conveyor presses various-sized mattresses properly. It measures the length of the mattress thanks to the sensors locating on it and presses the mattress in a centered way. The upper press table can equal out the pressure thanks to a rack and gear.

APPLICATION AREA

Mattress Industry
Foam Lamination Systems

MATERIALS

Finished or Semi-Finished Mattress
Foam
Pillow

GENERAL FEATURES

It presses mattresses with various sizes and weights without requiring any adjustment. According to production requirement;
*After pressing the mattress, it can move it back
*After pressing the mattress, it can move it forward
*Or it can be used as a transfer conveyor line, skipping the pressing stage altogether. Following the gluing process, it presses the mattress with 1000 kg pressure; so it improves the sealing process of the mattresses and enables solid mattress production. With its sensors, it detects automatically whether there is a mattress or not and by measuring the length of the mattress, it enables the pressing process at the center of the mattress. The safety barrier surrounding the machine provides a safe working environment. Can be serviced online. Features a long-life Festo pneumatic system with low air consumption

STANDARD

Safety Barriers
Pneumatic Press System

OPTION

Silicon Band

DETAILED EQUIPMENT INFORMATION: SILICON BAND

It provides a more convenient and faster cleaning of adhesives stuck to the band. This also means that the belt lasts longer as it is not subjected to cleaning chemicals.



BEFORE PRESS



AFTER PRESS

TECHNICAL DATA

LM-CON/1300

Machine Size	W:2600 mm L:2350 mm H:2400 mm
Conveyor Height	900 mm
Machine Weight	850 kg
Capacity	1 mattress/10 sec
Max. Mattress Size	W:2000 mm L:2250 mm H:500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:100 mm
Max. Mattress Weight	150 kg
Press System	Pneumatic
Press Power	1000 kg
Electric /Air Pressure/Power	380 VAC (III+N+TT)/6-8 Bar/1.5kW
CE certificate	Yes



LM-CON/1400
PRESS & FLIPPER
CONVEYOR

Machinery Partner

GENERAL FEATURES

It can press and flip mattresses of varying sizes and weights without requiring any adjustment.

Depending on the production requirements:

- * Mattresses can be pressed and moved forward

- * or backward.

- * Mattresses can be pressed, flipped, and reversed.

- * Mattresses can be pressed, flipped, and moved forward

- * Or it can be used as a transfer conveyor line, skipping the pressing/flipping stage altogether.

By flipping the mattress during pressing, any risk of damage is avoided

Once the gluing process is complete, the mattresses are pressed with 500 kg of pressure to improve the sealing process and ensure a more robust product

With its sensors, it detects automatically whether there is a mattress or not

The safety barrier surrounding the machine provides a safe working environment

Can be serviced online

Features a long-life Festo pneumatic system with low air consumption

This machine is used to flip finished or semi-finished products automatically after the pressing process. The advantage is that pressing and flipping can be conducted in a single machine. With its flexible and ergonomic working principle, it can press and flip mattresses of varying sizes and weights

APPLICATION AREA

Mattress Industry
Foam Lamination System

MATERIALS

Finished or Semi-Finished Product
Foam

STANDARD

Safety Barriers
Pneumatic Press System

OPTIONS

Silicon Band

DETAILED EQUIPMENT INFORMATION SILICON BAND

Manufacturing the belt from silicone means that any adhesive stuck to the belt can be cleaned off faster and more effectively. This also means that the belt lasts longer as it is not subjected to cleaning chemicals

PRESS & FLIPPER CONVEYOR



TECHNICAL DATA

LM-CON/1400

Machine Size	W:2350 mm L:2600 mm H:2600 mm
Machine Weight	1500 kg
Conveyor Height	900 mm
Capacity	1 mattress/15 sec
Max. Mattress Size	W:2000 mm L:2250 H: 500 mm
Min. Mattress Size	W:2000 mm L:2250 H: 500 mm
Max. Mattress Weight	150 kg
Press System	Pneumatic
Press Power	500 kg
Power /Electric /Air Pressure	4kW/380 VAC (III+N+TT) /6-8 bar
CE Certificate	Yes



LM-CON/1500
90 DEGREES CROSS
CONVEYOR

Machinery Partner

GENERAL FEATURES

It can direct mattresses of varying sizes and weights without requiring any adjustment. Depending on the production requirements: Mattresses are directed either left or right, or it can be used as a straight transfer conveyor. The cross conveyor is made up of Ø76 mm rollers.

Five x 140 mm wide PVC belts are fitted inside the conveyor.

It has two 0.75 Kw power motors.

The conveyor lift boasts a Festo pneumatic system.

STANDARD

PVC Conveyor, 5 Pieces

Roller

Pneumatic Lift System

OPTION

PVC Band

Festo Blower

This conveyor line directs finished or semi-finished mattresses 90 degrees to the left or right. The cross conveyor comes complete with a conveyor roller and PVC belt. With its pneumatic lift system, it raises mattresses and directs them to the left or right. With its flexible and ergonomic working principle, it can direct mattresses of varying sizes and weights.

APPLICATION AREA

Mattress Industry

Foam Industry

Furniture Industry

White Goods Industry

MATERIALS

Finished or Semi-Finished Mattress

Foam

Wood Panel

White Goods



TECHNICAL DATA

LM-CON/1500

Conveyor Size	Customized size options
Conveyor Weight	600 kg
Conveyor Height	900 mm
Max. Mattress Size	W:2000 mm L:2250 mm H: 500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:100 mm
Max. Mattress Weight	150 kg
Lift system	Pneumatic
Lift Power	250 kg
Electric	380 VAC (III+N+TT)
Air Pressure	6-8 bar
Power	Total: 1.5kW
CE Certificate	Yes



Machinery Partner

It is a conveyor that is used to move the finished or semi-finished product on the center line. A pneumatic alignment system works on the left and right of the conveyor. Using sensors, the machine measures the length of mattresses to align them by stopping them in the center of the conveyor. This conveyor is preferred during packing and gluing process where the mattresses are supposed be in the center of the line. Its flexible and ergonomic working principle aligns mattresses by transferring them according to their size and weight.

APPLICATION AREA

Mattress Industry
Foam Industry
Furniture Industry

MATERIALS

Finished or Semi-Finished Mattress
Foam
Wood Panel
White Goods
Furniture

GENERAL FEATURES

It aligns mattresses of varying sizes and weights Without requiring any adjustment
Based on the production demands:
It aligns the mattress even centralized.
It can act as transfer conveyor without aligning the mattress.
There is a pneumatic alignment system on the right and left sides of the conveyor.
Features a long-life festo pneumatic system with low air consumption.

STANDARD

Middle Center Lifting System
Pneumatic Side Alignment System
Middle Center Pneumatic
Rotation System
Four-Piece Conveyor with PVC



TECHNICAL DATA

LM-CON/1600

Conveyor Size	W:2300 mm L:2600 H: 900 mm
Conveyor Weight	600 kg
Conveyor Height	900 mm
Capacity	6 mattresses/min
Max. Mattress Size	W:2000 mm L:2250 H: 500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:100 mm
Max. Mattress Weight	150 kg
Electric/Air Pressure/Power	380 VAC (III+N+TT) /6-8 bar/1 kW
Alignment /Rotation System	Pneumatic
Alignment System	Yes

It is a conveyor that is used to move the finished or semi-finished product on the center line. A pneumatic alignment system works on the left and right of the conveyor.

Using sensors, the machine measures the length of mattresses to align them by stopping them in the center of the conveyor.

This conveyor is preferred during packing and gluing process where the mattresses are supposed be in the center of the line. Its flexible and ergonomic working principle aligns mattresses by transferring them according to their size and weight.

APPLICATION AREA

Mattress Industry
Foam Industry
Furniture Industry

MATERIALS

Finished or Semi-Finished Product
Foam
Wood Panel
White Goods
Furniture

TECHNICAL DATA

LM-CON/1700

Conveyor Size	W:2350 mm L:2600 mm H:1300 mm
Conveyor Weight	600 kg
Conveyor Height	900 mm
Capacity	6 mattresses/min
Max. Mattress Size	W:2000 mm L:2250 H: 500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:100 mm
Mattress Weight	150 kg
Alignment System	Pneumatic
Electric/Air/Power	380 VAC (III+N+TT) /6-8 bar /1,5 kW
CE Certificate	Yes



Machinery Partner

GENERAL FEATURES

It aligns mattresses of varying sizes and weights Without requiring any adjustment

Based on the production demands:
It aligns the mattress even centralized.
It can act as transfer conveyor without aligning the mattress.

There is a pneumatic alignment system on the right and left sides of the conveyor.

Features a long-life festo pneumatic system with low air consumption.





LM-CON/1800 ROTATION AND TRANSFER CONVEYOR

Machinery Partner

It is a conveyor used to direct the semi-finished or finished mattress to the right or left with 90 degrees without changing the direction of the mattress.

With its flexible and ergonomic principle, it is used to direct the mattresses with various sizes and weights.

APPLICATION AREA

Mattress Industry
Foam Lamination System
Furniture Industry
White Goods Industry

MATERIALS

Semi-Finished or Finished Mattress
Foam
Wood Panel
White Good

DETAILED EQUIPMENT INFORMATION SILICON BAND

It provides a more convenient and faster cleaning of adhesives stuck to the band. This also means that the belt lasts longer as it is not subjected to cleaning chemicals.

TECHNICAL DATA

LM-CON/1800

Conveyor Size	W:2350 mm L:2600 mm H:900 mm
Conveyor Weight	1500 kg
Conveyor Height	900 mm
Capacity	1 mattress/10 sec
Max. Mattress Size	W:2000 mm L:2250 mm H:500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:100 mm
Max. Mattress Weight	150 kg
Rotation System	Mechanic
Power/Electric/Air Pressure	4kW/380 VAC (III+N+TT)/6-8 bar
CE Certificate	Yes

GENERAL FEATURES

It is used to direct the mattresses with various sizes and weights.

According to production requirement

*It diverts the mattress to the right

*It diverts the mattress to the left

*It can also act as a straight transfer conveyor.

With the help of its sensors, it can detect automatically whether there is a mattress in the machine.

With the gear located in the conveyor center, it can turn mechanically to the right or left.

The safety barrier surrounding the machine provides a safe working environment.

Can be serviced online.

Features a long-life Festo pneumatic system with low air consumption.

STANDARD

Safety Barrier
Pvc conveyor system

OPTIONS

Silicone Band



Used as a transfer conveyor line at automatic mattress production lines.

It is a transfer conveyor that is being to flip and transfer to the other station that comes out from the tape edge.

There are barriers on the ramp-flipper line to prevent any product slipping.

The conveyor does not slow the production speed on the line, in other words it flips the mattress to transfer to the other station properly without requiring any extra time.



LM-CON/2100 RAMP CONVEYOR



Machinery Partner

GENERAL FEATURES

2.7 mm PVC coated anti-static band.
The conveyor speed is 20 m/min and speed adjustment are available

APPLICATION AREA

Mattress Industry

MATERIALS

Assembled Products



TECHNICAL DATA

LM-CON/2100

Conveyor Size	W:2100mm L:2600mm
Product Feeding Height	900 mm
Total Area Required	W:2300 mm L:2600 mm H:1000 m
Max. Mattress Size	W:2200 mm L:2200 mm
Max. Conveyor Speed	20 m/min
Electric / Power	380 VAC (III+N+TT) / 0.75 kW



LM-CON/1900
ASSEMBLY CONVEYOR
WITH FLIPPER

Machinery Partner

GENERAL FEATURES

It flips the mattresses of varying sizes and weights without requiring any adjustment

As mattresses are held by pneumatic arms, any risk of deformation during flipping is prevented. With the help of its sensors, it can detect automatically whether there is a mattress in the machine.

The safety barrier surrounding the machine provides a safe working environment. Features a long-life Festo pneumatic system with low air consumption.

STANDARD

Safety Barrier
Pneumatic Flipping System
PVC Conveyor

This conveyor is used to assemble the mattress on the line.

With its flipper unit, it can flipper the mattress to carry out the assembling process on both sides. With its flexible and ergonomic working principle, it flips the mattresses of varying sizes and weights. Since the bands on the conveyor are made of silicone, it prevents adhesive sticking and is easy to clean.

Forward-back and flipping the mattress can be done with a button by the operator.

2 operator works at the machine.

Comparison between the existing flippers and LM-MPL-FC/21000, it saves the working area since the assembling process is being done in a narrower space.

APPLICATION AREA

Mattress Industry
Foam Lamination System

MATERIALS

Finished or Semi-Finished Mattress
Foam
Felt
Carcass
Quilted Panel



TECHNICAL DATA

LM-CON/1900

Conveyor Size	E:2350 mm B:2600 mm Y:900 mm
Conveyor Weight	600 kg
Conveyor Height	900 mm
Capacity	1 mattress/min
Max. Mattress Size	W:2000 mm L:2250 H: 500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:100 mm
Max. Mattress Weight	150 kg
Flipper System	Pneumatic Arm
Electric	380 VAC (III+N+TT)
Air Pressure	6-8 bar
Power	Total: 0,75 kW



LM-CON/2000
FLIPPING CONVEYOR

Machinery Partner

GENERAL FEATURES

It flips the mattresses of varying sizes and weights.

Depending on the production requirements:

*Mattresses can be flipped and moved back

*Mattresses can be flipped and moved forward.

* Or it can be used as a transfer conveyor line, skipping the flipping stage altogether

As mattresses are held by pneumatic arms, any risk of deformation during flipping is prevented

With the help of its sensors, it can detect automatically whether there is a mattress in the machine

The safety barrier surrounding the machine provides a safe working environment

Features a long-life Festo pneumatic system with low air consumption

STANDARD

Safety Barrier

Pneumatic Flipping System

PVC Conveyor

This machine is used to flip finished or semi-finished products properly and automatically on the line. Mattresses are stopped on the line thanks to sensors, while pneumatic arms move to flip them

With its flexible and ergonomic working principle, it flips the mattresses of varying sizes and weights
The conveyor can be fitted out with a double or single arm

APPLICATION AREA

Mattress Industry

Foam Lamination System

MATERIALS

Finished or Semi-Finished Mattress

Foam



TECHNICAL DATA

LM-CON/2000

Conveyor Size	W:2350 mm L:2900 mm H:900 mm
Conveyor Weight	600 kg
Conveyor Height	900 mm
Capacity	1 mattress/1 sec
Max. Mattress Size	W:2000 mm L:2250 H: 500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:100 mm
Max. Mattress Weight	150 kg
Machine Weight	600 kg
Flipping System	Pneumatic arm
Electric	380 VAC (III+N+TT)
Air Pressure	6-8 bar
Power	0,75 kW
CE Certificate	Yes



LM-CON/2200
QUALITY CONTROL
CONVEYOR WITH FLIPPER

Machinery Partner

This conveyor is designed to allow operators to carry out quality control inspections and mattress cleaning more easily before the product is packaged. Mattresses automatically stay centered on the quality control conveyor. The operator can press a button to lift centered mattresses over the conveyor. They can then conduct a quality control of all sides by rotating the mattresses. Afterwards, by pressing reversing button, it turns the mattress over 180 degrees. Once both sides of a mattress have been checked, the mattress is then automatically transferred to the packaging machine. With its flexible and ergonomic working principle, quality control process is completed without damaging the mattress through turning and rotating.

GENERAL FEATURES

It has full automatic mattress centering function and automatic flipping. Even the heaviest of mattresses are no match for this system. However, it can also be used as a transfer conveyor line, skipping the flipping and rotating stages altogether. It prevents any deformation occurred during the flipping and rotating 360 degrees. With the help of its sensors, it can detect automatically whether there is a mattress in the machine. The length of the quality control conveyor is 2.4 m and it covers less area than its equivalent. Since the mattress is rotated on 2.4 m long conveyor, it minimizes the time loss while flipping. Can be serviced online. Features a long-life Festo pneumatic system with low air consumption.



APPLICATION AREA

Mattress Industry
Foam Lamination System

MATERIALS

Mattress
Foam



STANDARD

Flipping Unit
Pneumatic Mattress Lift System
PVC Belt Conveyor



TECHNICAL DATA

LM-CON/2200

Conveyor Size	W:2350 mm L:3100 mm H:900 mm
Conveyor Weight	550 kg
Conveyor Height	900 mm
Capacity	1 mattress/30-45 sec
Max. Mattress Size	W:2000 mm L:2250 H:500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:100 mm
Max. Mattress Weight	150 kg
Lift /Flip System	Pneumatic
Power	0,75 kW
Air Pressure	6-8 bar
Electric	380 VAC (III+N+TT)
CE Certificate	Yes



LM-CON/2300
WIDTH ADJUSTABLE ASSEMBLY
CONVEYOR

Machinery Partner

This conveyor is used in both automatic and manual mattress assembly lines. Width of the conveyor line can be adjusted automatically according to the width of the mattress.

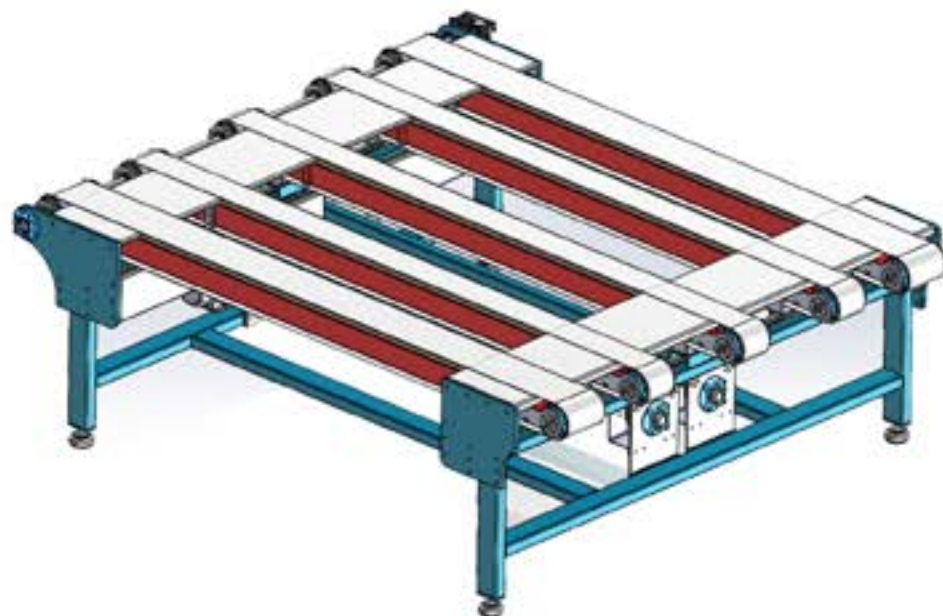
With its adjustable width, the operator manages the assembling process much more easily. By narrowing or widening the conveyor according to the width of the mattress, the operator can easily perform the assembling process without bending. Thus, it prevents any occupational diseases and provides a better quality and faster assembling process.

APPLICATION AREA

Mattress Industry
Foam Lamination System

MATERIALS

Finished or Semi-Finished Mattress
Foam



GENERAL FEATURES

The assembly conveyor consists of five PVC belt conveyors.

Middle conveyor is stable, and the others are dynamic.

The conveyor motion system consists of an electric and ball screw.

The operator can use a button to adjust the width to the required measurement.

With its removable side alignment arms, it provides a proper mattress assembling.

Since the bands on the conveyor are made of silicone, it is easy to clean.

Two x 0.75 kW electric motors are used on the conveyor.

STANDARD

Silicone Belt
Side Alignment Arms

OPTION

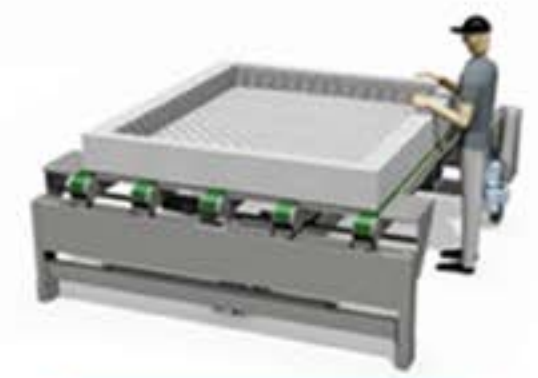
Mattress Flipper Unit

DETAILED EQUIPMENT INFORMATION: SILICONE BELT

Manufacturing the belt from silicone means that any adhesive stuck to the belt can be cleaned off faster and more effectively. This also means that the belt lasts longer as it is not subjected to cleaning chemicals.



NARROWING CONVEYOR



WIDENING CONVEYOR

TECHNICAL DATA

LM-CON/2300

Conveyor Size	W:2350 mm L:2600 mm H:1200mm
Conveyor Weight	1500 kg
Conveyor Height	900 mm
Capacity	1 mattress/45 sec
Max. Mattress Size	W:2000 mm L:2250 H: 500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:100 mm
Max. Mattress Weight	150 kg
Dynamic system	Ball Screw
Electric	380 VAC (III+N+TT)
Air Pressure	6-8 bar
Power	Total:1.5kW
CE Certificate	Yes



LM-CON/2400
ALIGNMENT CONVEYOR

Machinery Partner

GENERAL FEATURES

It aligns mattresses of varying sizes and weights without requiring any adjustment Based on the production demands;

It aligns the mattress even centralized

It can act as transfer conveyor without aligning the mattress

There is a pneumatic alignment system on the right and left sides of the conveyor
Features a long-life Festo pneumatic system with low air consumption

MATERIALS

Finished or Semi-Finished Product
Foam
Wood Panel
White Goods

It is a conveyor that is used to move the finished or semi-finished product on the center line. A pneumatic alignment system works on the left and right of the conveyor
Using sensors, the machine measures the length of mattresses to align them by stopping them in the center of the conveyor

This conveyor is preferred during packing and gluing process where the mattresses are supposed be in the center of the line
Its flexible and ergonomic working principle aligns mattresses by transferring them according to their size and weight

APPLICATION AREA

Mattress Industry
Foam Industry
Furniture Industry
White Goods Industry



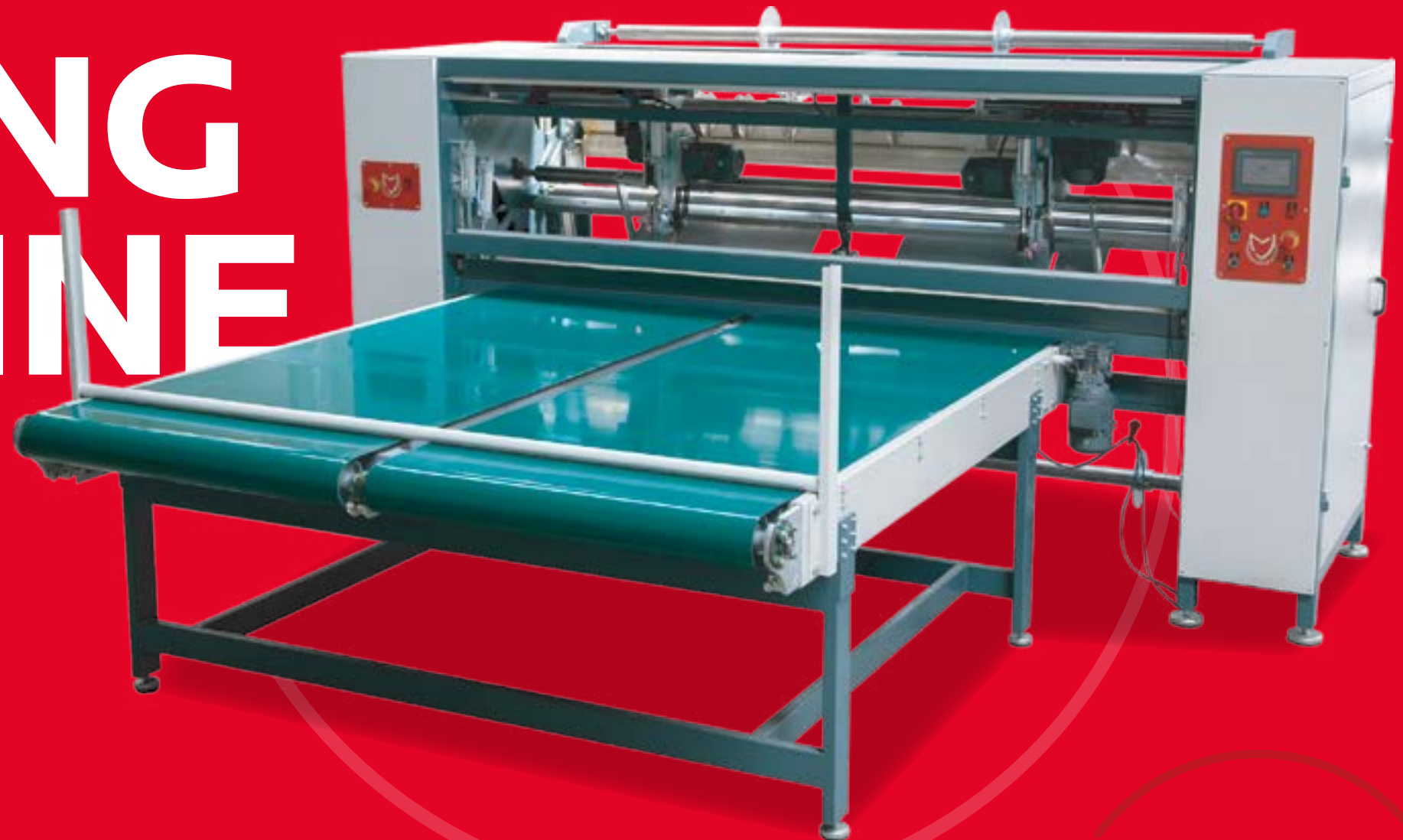
TECHNICAL DATA

LM-CON/2400

Conveyor Size	W:2350 mm L:2600 mm H:1300 mm
Conveyor Weight	600 kg
Conveyor Height	900 mm
Capacity	6 Mattresses/min
Max. Mattress Size	W:2000 mm L:2250 mm H:500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:100 mm
Max. Mattress Weight	150 kg
Alignment System	Pneumatic
Electric/Air Pressure/Power	380 VAC (III+N+TT)/6-8 bar/1,5 kW
CE Certificate	Yes

machinery
partner

CUTTING MACHINE



Cutting
Machine



LM-CU/1000
ROLL SLITTER MACHINE

Machinery Partner

GENERAL FEATURES

The HSS (High speed steel) circular blades guarantees high performance and a perfect cut quality. With HSS blade features, it can tolerate the high temperature during the roll cutting process.

The desired roll cutting width can be set precisely through the centering system. Tempered blade system driven by motors. Roll holder for precise slitting process. Provides you different cutting size options. Drums are adjustable according to the roll diameter.

Thanks to the metric system on the machine, provides you even millimetric cutting possibility.

The desired cutting width can be set precisely. The speed of the circular knife and the product-holding shaft can be adjusted continuously.

Blade sharpening system is adjustable according to the blade diameter.

The opening of the safety cover ergonomic blade is automatic.

Easy maintenance.

Available cutting widths (25 mm-1250 mm)

Long service life

LM-MPL-RSM-21000 is an advanced slitter machine which is used for cutting the desired size of woven & knitted fabric, non-woven, 3D spacer and curtain fabrics.

The machine features the maximum cutting quality even at the most difficult materials by providing you the maximum efficiency during the slitter process.

The tempered blade offers not only the precise cutting but also this feature last for a long time.

Thanks to its double side sharpening system, roller stabilizer, blade cooling as well the precise cutting features provides you highest efficiency and ergonomics together with the blade safety cover, motorized right-left motion of the blade and unlimited cutting width options.

APPLICATION AREA

Mattress Industry
Face Mask Industry

MATERIALS

Non-woven
Woven Mattress Ticking
Knitted Mattress Ticking
3D-Spacer
Curtain fabric

STANDARD OPTION

Blade cooling system
Blade sharpening system



Centering System



Roll holder



Ergonomic Blade Cover & Blade sharpening system



Metric System



Control Panel



TECHNICAL DATA

LM-CU/1000

Machine Size	W: 1000 mm L:3300 mm H: 1200 mm
Total Required Area	W: 1000 mm L:3300 mm H: 1200 mm
Machine Weight	1000 kg
Cutting Width	(25-1250 mm) It varies according to fabric type
Max. Roller Diameter	350 mm
Max. Roller Length	2400 mm
Electric / Power	380 VAC (III+N+TT) / 2.2 kW



LM-CU/2100 QUILTED BORDER CUTTING MACHINE

Machinery Partner

Quilted border cutting machine is a machine that cuts the border which is essential for mattress production

In other words, it locates after the quilting machine to cut the quilted panels

How the machine works?

- After panel quilting process, it passes to the cutting machine
 - It performs cutting at the required border size
 - With the help of roller system, the sliced product is wrapped in rolls
- With its speed adjustment system and high cutting precision, it performs high quality order cutting process

APPLICATION AREA
Mattress Industry

MATERIALS
Quilted Panel

STANDARD
Roll Wrapping System



GENERAL FEATURES

The HSS (High speed steel) circular blades guarantees high performance and a perfect cut quality since it tolerates the high temperature during the roll cutting process

With its 12 HSS cutting knives, it maximizes the cutting quality

It performs cutting at the required border size

The cutting knives carry out the product cutting process with a millimetric precision

With its speed adjustment feature, it works synchronized with all chain and lock stitch quilting machines

The cutting process continues easier thanks to roll wrapping system located on the machine

It is a simple and ergonomic machine to use

It requires low maintenance

Long service life

Quilted panel and border cutting machine is a machine that cuts the panel and border which is essential for mattress production

In other words, it locates after the quilting machine to cut the quilted panels

How the machine works?

- After panel quilting process, it passes to the cutting machine
 - It performs cutting at the required panel and border size
 - With the help of roller system, the sliced product is wrapped in rolls
- With its speed adjustment system and high cutting precision, it performs high quality panel and border cutting process

APPLICATION AREA
Mattress Industry

MATERIALS
Quilted Panel

STANDARD
Blade Grinding System
Roll Wrapping System



LM-CU/2200 QUILTED PANEL and BORDER CUTTING MACHINE



Machinery Partner

GENERAL FEATURES

The HSS (High speed steel) circular blades guarantees high performance and a perfect cut quality since it tolerates the high temperature during the roll cutting process

The machine has 15 HSS cutting knives such as 12 pieces of knife as border cutter, 2 pieces of knife as edge cutter and 1 piece of knife as length cutter

The machine has a blade grinding system
Panel cutting can be done either manual or automatic

It performs cutting at the required panel and border size

The cutting knives carry out the product cutting process with a millimetric precision

It measures the length of the quilted panel automatically thanks to the encoders locating on it
It has an edge cutting system

With its speed adjustment feature, it works synchronized with all chain and lock stitch quilting machines
The cutting process continues easier thanks to rolling system located on the machine
Required cutting size is input through the operator panel
It is a simple and ergonomic machine to use
It requires low maintenance
Long service life

TECHNICAL DATA

LM-CU/2100

Machine Size	W:1500 mm L:3200 mm H: 2000 mm
Max. Quilted Panel Size	2400 mmt
Min. Border Cutting Width	60 mm
Machine Weight	1400 Kg
Electric	380 VAC (III+N+TT)
Power	3 kW

TECHNICAL DATA

LM-CU/2200

Machine Size	W:1500 mm L:3200 mm H: 2000 mm
Max. Quilted Panel Size	2400 mmt
Min. Border Cutting Width	60 mm
Machine Weight	1400 Kg
Electric	380 VAC (III+N+TT)
Power	3 kW



LM-CU/2300
AUTOMATIC QUILTED PANEL and
BORDER CUTTING MACHINE

Machinery Partner

APPLICATION AREA
Mattress Industry

MATERIALS
Quilted Panel

STANDARD
Blade Grinding System
Roll Wrapping System

OPTIONS
Roll Opener Machine
Quilted Panel Stacker

GENERAL FEATURES

It performs cutting at the required panel and border size automatically
The HSS (High speed steel) circular blades guarantees high performance and a perfect cut quality since it tolerates the high temperature during the roll cutting process
The machine has 15 HSS cutting knives such as 12 pieces of knife as border cutter, 2 pieces of knife as edge cutter and 1 piece of knife as length cutter
It measures the length of the quilted panel automatically thanks to the encoders and laser sensor locating on it
The machine has a blade grinding system
7 inç touch screen allows the machine to be easily used

Automatic quilted panel and border cutting machine is a machine that cuts the panel and border which is essential for mattress production
In other words, it locates after the quilting or roll opener machine to cut the quilted panels
How the machine works?
After panel quilting process, it passes to the cutting machine
It performs cutting at the required panel and border size automatically
With the help of roller system, the sliced product is wrapped in rolls
As an addition the machine can be fed by the quilted roll opener
With its speed adjustment system and high cutting precision, it performs high quality panel and border cutting process
Hız ayarlama sistemi ve yüksek kesim hassasiyeti ile üstün kalitede bordür ve panel kesim olanağı sunar



The required number of panels are input via operator panel. The machine stops automatically when the required panel numbers are reached
The slitting knives are placed in the machine in a way of maximizing the work safety
With its electronic controls, it provides a proper cutting at the required length and width
With its speed adjustment feature, it works synchronized with all chain and lock stitch quilting and quilted roll opener machine
Panel and border cutting are being done automatically
The cutting process continues easier thanks to rolling system located on the machine
It has a trimming system
The cutting knives carry out the product cutting process with a millimetric precision
The quilted panels can be stacked on the palettes with quilting stacker system
It is a simple and ergonomic machine to use
It requires low maintenance
Long service life



TECHNICAL DATA

LM-CU/2300

Machine Size	W:1100 mm L:3940 mm H: 1580 mm
Quilted Panel Size	2400 mm
Min. Border Cutting Width	60 mm
Machine Cutting Speed	10 m/min
Machine Weight	1500 Kg
Electricity	380 VAC (III+N+TT)
Power	3 kW
Air Pressure	6 bar

Trimming	Max. X Dimension	2450 mm
	Min. X Dimension	960 mm
	Max. Y Dimension	2250 mm
	Min. Y Dimension	300 mm

Slitting	Max. X Dimension	2600 mm
	Min. X Dimension	60 mm

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COVERING MACHINE



Covering
Machine





This machine is used during the carcass preparation at the beginning of the mattress assembling process. In other words, the machine is used to reduce the width and height of foam, latex, bonnell spring and pocket spring mattresses and insert them into a cover easily and quickly. Machine consists of three parts which are feeding conveyor, cover insertion unit and exit conveyor. It adjusts the width and height of the mattress automatically according to the size. Since the mattress cover is inserted quicker and faster, it saves time and labor cost. In full automatic mode, it inserts 5 covers in a minute. This machine can also be used to insert the assembled mattress into the polyethylene packing.

GENERAL FEATURES

It covers pocket, spring and foam mattresses with different sizes. Up, down and width adjustment of the machine can be done with a button while the conveyor belts run with a foot pedal. Covering machine consists of three parts which are feeding conveyor, cover insertion unit and exit conveyor. Mattress covering unit consists of 10 PVC conveyors. All of these conveyors have a separate reducer driver unit. 3 operator works at the machine. It is a simple and ergonomic machine to use.

TECHNICAL DATA

LM-CR/1000

Machine Size	W:3200 mm L:6300 mm H:1750 mm
Machine Weight	1100 kg
Line Height	900 mm
Capacity	5 mattresses/min
Max. Mattress Size	W:2100 mm L:2400mm H:450 mm
Min. Mattress Size	W:700 mm L:1200 mm H:60 mm
Max. Mattress Weight	300 kg
Power	Total:10 kW
Electric	380 VAC (III+N+TT)
CE Certificate	Yes

APPLICATION AREA

Mattress Industry
Foam Industry

MATERIALS

Latex, Visco And Foam
Bonel and Pocket Spring
The Assembled Mattress
Foam and Polyester Foam

STANDARD

Inlet Feeding Conveyor
Cover Insertion Unit
Exit Conveyor





LM-MPL-SCM/2000
SINGLE JERSEY COVERING MACHINE

Machinery Partner

GENERAL FEATURES

It inserts single jersey to different sizes of pocket, spring, and foam mattress as well as foam mattresses and pillows
Up, down and width adjustment of the machine can be done with a button while the conveyor belts run with a foot pedal
The machine consists of three parts: a feeding conveyor, cover insertion unit, and exit conveyor
The machine requires two operators
It is simple and ergonomic to use

APPLICATION AREA

Mattress Industry
Foam Industry
Furniture Industry

MATERIALS

Latex, Visco and Foam
Foam Pillow and Cushion

STANDARD

Inlet Feeding Conveyor
Cover Insertion Unit
Exit Conveyor
Welding Jaws

This machine is used during the carcass preparation at the beginning process of the mattress assembling. In other words, the machine is used to insert the foam, latex, bonnell spring, pocket spring mattresses as well as foam pillows into a jersey easily and quickly

The previously prepared jersey is attached to the machine arms. Firstly, the open part of the mat is sealed into the welding jaw. Afterwards, the mattresses which are fed from the feeding point are inserted into the jersey and re-sealed. Hence the jersey dressing process is carried out on the mattress

It is much easier to put on or take off a cover from the mattress and pillow if they were inserted into the jersey. Jersey cover is used on mattresses and pillows where zippered covers are used. Thus, it allows the end user to fit the mattress or pillow covers easier

The machine consists of three parts: a feeding conveyor, cover insertion unit, and exit conveyor. It adjusts the width and height of the mattress automatically. Since the single jersey is inserted quicker and faster, it saves time and labor cost. In fully automatic mode, it inserts 2 jerseys in a minute



TECHNICAL DATA

LM-MPL-SCM/2000

Line Height	900 mm
Machine Weight	1200 kg
Capacity	2 Mattresses/min
Max. Mattress Size	W:2100 mm L:2400 mm H:450 mm
Min. Mattress Size	W:400 mm L:800 mm H:60 mm
Max. Mattress Weight	300 kg
Electric	380 VAC (III+N+TT)
Power	Total:5 kW
CE Certificate	Yes

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TUFTING MACHINE



Tufting
Machine





LM-TG/1000
TUFTING MACHINE

Machinery Partner

APPLICATION AREA

Mattress Industry (inc. Futon mattresses)

MATERIALS

Carcass
Mattress Panel
Foam

STANDARD OPTIONS

Roller Conveyor

GENERAL FEATURES

Ergonomic and easy to use
Quiet operation
The convenience of all-pneumatic controls
Long service life

It is a mattress compression machine that used in hand tufting process. The mattress is compressed before installing the tufts, makes the process easier and reduce the labour-force.

Our tufting machine has been designed to tuft premium mattress sizes up to 500 mm height and is capable of handling mattress of up to 2400*2200 mm.

Tufting connects the top layer of the mattress with the layers beneath it. That construction keeps the mattress layers in place, and it prevents them from shifting or bunching and losing its shape.

Our tufting machines maximizes the safety of working area, reduces labor-force and eases the process is it compresses the mattress before installing thus makes the tufting consistent.

It requires only one operator.



TECHNICAL DATA

LM-TG/1000

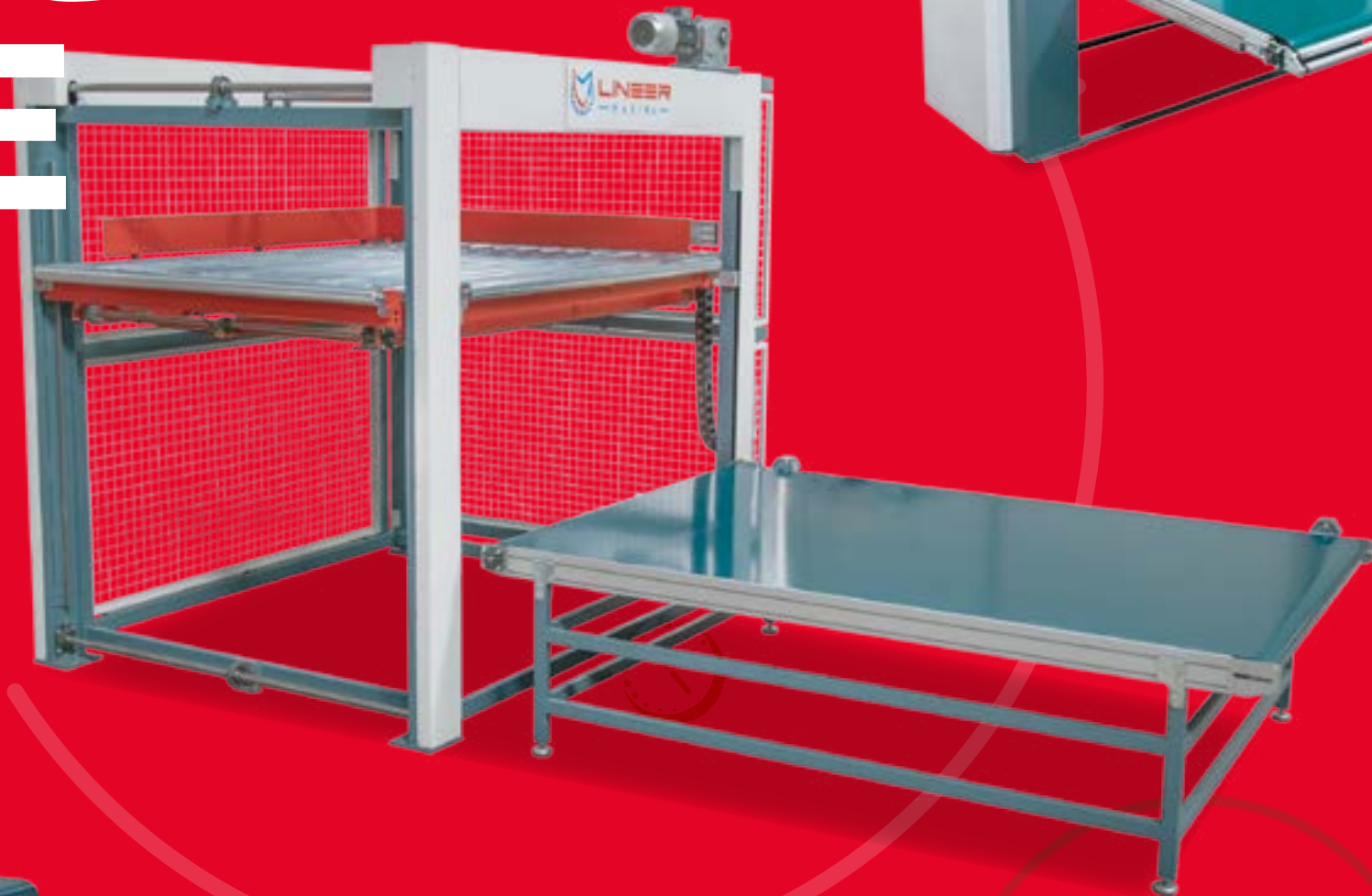
Machine Size	W: 2400 mm L: 2200 mm H: 1300 mm
Machine Weight	800 kg
Capacity	4 mattresses/hour
Max. space between upper and lower compression bars	500 mm
Max. Mattress Size	W: 2200 mm L: 2200 mm H: 500 mm
Press Power	3.000-5.000 kgs
Chassis	Steel Construction
Turning System	Pneumatic
Press System	Pneumatic
Air Pressure	Max. 8 bar

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STACKING MACHINE



Stacking
Machine





LM-SR/3100
MATTRESS STACKING MACHINE

Machinery Partner

GENERAL FEATURES

It stacks the mattresses with various sizes and weights on the pallets without requiring any adjustment

With its automatic stacking features, it provides a better and more stable mattress alignment

Since it stacks the mattresses automatically, operator is not required

With the help of its sensors, it can detect automatically whether there is a mattress in the machine

Depending on the mattress size, it can stack mattresses one at a time or in pairs

With its flexible structure, it can easily be adapted to any part of your production line

The stacker is highly ergonomic and promotes a safer working environment

Can be serviced online

Features a long-life Festo pneumatic system with low air consumption

STANDARD

Propulsive
Conveyor system
Lift System

OPTIONS

Automatic Pallet Replacement System

The packed mattress is automatically stacked on pallets

Its flexible and ergonomic working principle saves labor and time by stacking the mattresses according to size and weight

The safety barrier surrounding the machine provides a safe working environment

APPLICATION AREA

Mattress Industry
Foam Industry
Furniture Industry
Box Spring

MATERIALS

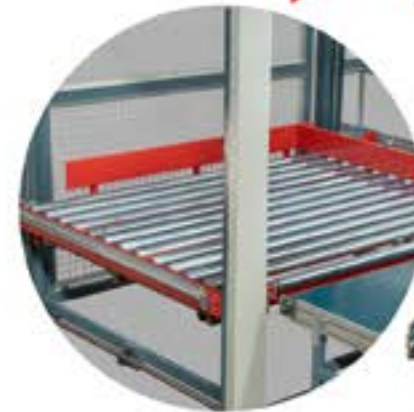
Packed Mattress
Foam
Box-Spring and Furniture



EQUIPMENT DETAILED INFORMATION

AUTOMATIC PALLET REPLACEMENT SYSTEM

It is a machine that places the pallet to the system automatically after the first one is stacked with aligned mattresses. Palletizing process is done automatically without requiring an operator with this system



TECHNICAL DATA

LM-SR/3100

Machine Size	W:2350 mm L:3400 mm H:2750 mm
Conveyor Height	900 mm
Max. Mattress Size	W:2000 mm L:2200 H:500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:100 mm
Capacity	1 mattress/20 sec
Max. Mattress Weight	200 kg
Machine Weight	1500 kg
Power	Total:5kWFilm
Electric	380 VAC (III+N+TT)
Air Pressure	6-8 bar
CE Certificate	Yes



LM-SR/3300
TELESCOPIC PALLETIZING
CONVEYOR

Machinery Partner

It is a system that is used to place the mattresses, stacked by the automatic stacking machine, on the plate automatically without requiring any labor force. It is also used to stack the packed foams, mattresses and box springs on the pallets. It increases the efficiency and reduces the labor force after the packaging.

With its flexible structure, it can easily be adapted to any part of your production line. Occupational diseases caused by lifting are prevented. It brings solutions with high efficiency such as sealing, packing and foam cutting lines.

APPLICATION AREA

Mattress Industry
Foam Industry
Box-Spring and
Furniture Industry

MATERIALS

Packed Mattress,
Box-Spring and Foam
Pressed Mattress

EQUIPMENT DETAILED INFORMATION COMPRESS MACHINE

This is used to press and bind mattresses that have been pre-pressed and stacked together



GENERAL FEATURES

It stacks the mattresses with various sizes and weights on the pallets without requiring any adjustment.

With its automatic stacking features, it provides a better and more stable mattress alignment.

Since it stacks the mattresses automatically, operator is not required.

With its flexible structure, it can easily be adapted to any part of your production line.

It ensures a high ergonomic principle and safer working area.

It also provides an opportunity to use different pallets and carriers.

With its sensors, it detects automatically whether there is a mattress or not

Can be serviced online.

The hydraulic lifting system means that stacking heavier products is easier than ever before.

The machine can also be used to stack and pack pressed mattresses into a second press.

STANDARD

Movable Conveyor System
Hydraulic Lifting System

OPTIONS

Compress Machine

TECHNICAL DATA

LM-SR/3300

Conveyor Size	W:2400 mm L:4000 mm H:500 mm
Machine Weight	1500 kg
Line Height	900 mm
Capacity	1 piece/min
Max. Mattress Size	W:2300 mm L:3000 mm H:500 mm
Min. Mattress Size	W:700 mm L:1800 mm H:100 mm
Max. Mattress Weight	300 kg
Lift system	Hydraulic
Power/Electric	4 kW/380 VAC (III+N+TT)
CE Certificate	Yes

The packed mattress is automatically stacked on pallets
Its flexible and ergonomic working principle saves labor and time by stacking the mattresses according to size and weight.
The safety barrier surrounding the machine provides a safe working environment.

APPLICATION AREA

Mattress Industry
Foam Industry
Furniture Industry
Box Spring

STANDARD

Conveyor system
Lift System

MATERIALS

Packed Mattress,
Foam
Box-spring
Furniture

OPTIONS

Automatic pallet
replacement system



GENERAL FEATURES

It stacks the mattresses with various sizes and weights on the pallets without requiring any adjustment.

With its automatic stacking features, it provides a better and more stable mattress alignment.

Since it stacks the mattresses automatically, operator is not required.

With the help of its sensors, it can detect automatically whether there is a mattress in the machine.

Depending on the mattress size, it can stack mattresses one at a time or in pairs.

With its flexible structure, it can easily be adapted to any part of your production line.

The stacker is highly ergonomic and promotes a safer working environment.

Can be serviced online.

Features a long-life Festo pneumatic system with low air consumption.

EQUIPMENT DETAILS:

AUTOMATIC PALLET REPLACEMENT SYSTEM

It is a machine that places the pallet to the system automatically after the first one is stacked with aligned mattresses. Palletizing process is done automatically without requiring an operator with this system.

TECHNICAL DATA

LM-SR/3400

Capacity	30 seconds 1 mattress
Max. Mattress Size	W: 2000 mm L: 2200 mm
Min. Mattress Size	W: 700 mm L: 1.800 mm
Min. Mattress Height	100 mm
Max. Mattress Height	500 mm
Max. Mattress Weight	200 kg
Machine Weight	1500 kg
Power Requirement	Total: 5kW
Voltage Type (Revised as optional)	220 Volt, Thriphase , 60 Hz.
Compressed Air	6-8 bar
CE certificate	Yes
Conveyor Height	900 mm



LM-SR/3500
AUTOMATIC STACKING
MACHINE

Machinery Partner

GENERAL FEATURES

It stacks the bases with various sizes and weights on the pallets without requiring any adjustment

With its automatic stacking features, it provides a better and more stable base alignment

Since it stacks the bases automatically, operator is not required

With the help of its sensors, it can detect automatically whether there is a base in the machine

With its flexible structure, it can easily be adapted to any part of your production line

The stacker is highly ergonomic and promotes a safer working environment

Can be serviced online

The packed base is automatically stacked on pallets
Its flexible and ergonomic working principle saves labor and time by stacking the bases according to size and weight

The safety barrier surrounding the machine provides a safe working environment

APPLICATION AREA

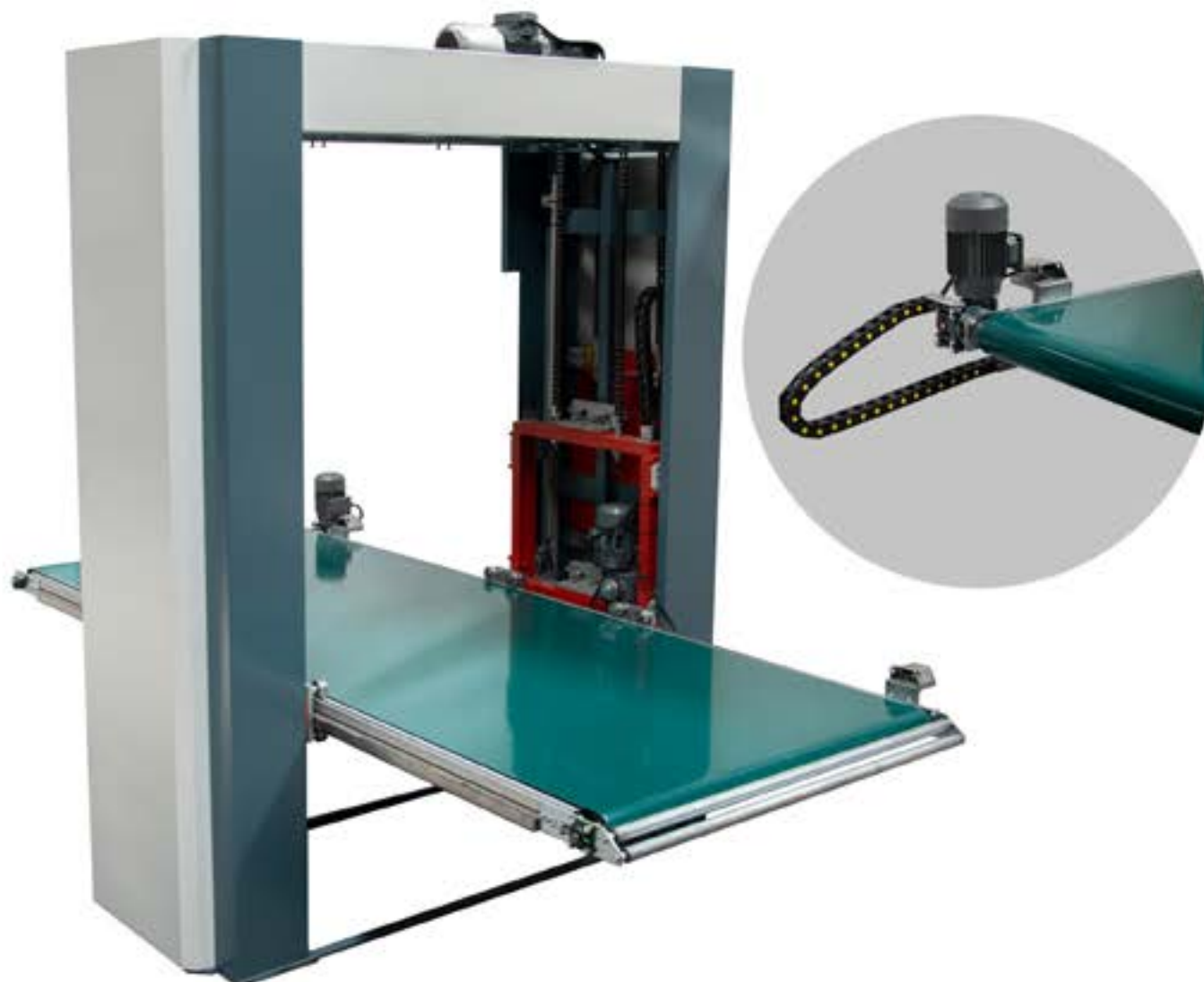
Furniture Industry
Box Spring

MATERIALS

Foam
Box-Spring and Furniture

STANDARD

Conveyor system
Lift System



LIFTING
System

TECHNICAL DATA

LM-SR/3500

Machine Size	W:2450 mm L:8000 mm H:4400 mm
Conveyor Height	900 mm
Max. Base Size	W:2000 mm L:2400 H:500 mm
Min. Base Size	W:700 mm L:1800 mm H:100 mm
Capacity	1 base/20 sec
Max. Base Weight	200 kg
Machine Weight	1500 kg
Power	Total: 4kW
Electric	380 VAC (III+N+TT)
CE Certificate	Yes

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SPRING MACHINE



Spring
Machine





LM-SM/1100
SPRING FATIGUE
MACHINE

Machinery Partner

Spring sofas and mattresses are one of the primary pieces of furniture in our homes that provide us comfort in our daily life. However, the bonnell springs start to sag that creates an uneven surface characterized by 'peaks and valleys' in areas across the sofa or mattress, in turn making for an uncomfortable sofa to sit and mattress to sleep on

LM-SM-1100 is a machine that eases the production process since it applies mechanical pressure to the carcass to enable the spring sag beforehand that may occur later over time
Working principle of spring fatigue machine:

Operator inserts the carcass into the mechanical press tables. With the help of foot pedal, the operator starts moving the mechanical press up and down

The length of spring compression time can be set by the operator through the panel
Once the spring compression time entered to the system is over, machine stops automatically. Afterwards the operator takes the carcass from the machine manually
One operator is being required



GENERAL FEATURES

The machine applies mechanical pressure to the carcass to enable the spring sag that may occur later over time
Since the operator runs the machine with foot pedal, it maximizes safer working area
It is a simple and ergonomic machine to use
It ensures the maximum quality of compress in case of a different carcass size

APPLICATION AREA

Mattress Industry
Furniture Industry

MATERIALS

Bonnell Spring Carcass

STANDARD

Foot Pedal

OPTION

Conveyor

TECHNICAL DATA

LM-SM/1100

Machine Size	W:2120 mm L:2300 mm H:1550 mm
Machine Weight	2000 kg
Capacity	1300 pcs/shift (8 hour)
Power	5,5 kW
Electric	380 VAC (III+N+TT)

Spring sofas and mattresses are one of the primary pieces of furniture in our homes that provide us comfort in our daily life. However, the bonnell springs start to sag that creates an uneven surface characterized by 'peaks and valleys' in areas across the sofa or mattress, in turn making for an uncomfortable sofa to sit and mattress to sleep on
LM-SM-1200 is a machine that eases the production process since the upper inclined part applies pressure to the carcass to enable the spring sag beforehand that may occur later on
Working principle of spring fatigue machine:
The lower and upper belts located in the machine are movable and the operator inserts the carcass into the machine between them
While the carcass is moving with the help of movable belts, the carcass is compressed by the upper inclined belt
With the help of the movable belts, carcass comes out of the machine automatically
Spring fatigue machine enables the spring sag app 5-10 mm in the carcass and prevents spring tension as well as product deformation beforehand that may occur later over time
One operator is being required

APPLICATION AREA

Mattress Industry
Furniture Industry

MATERIALS

Bonnell Spring Carcass

STANDARD
Foot Pedal



TECHNICAL DATA

LM-SM/1200

Machine Size	W:2250 mm L:3000 mm H:1350 mm
Machine Weight	1480 kg
Capacity	4 pcs/min
Power	3 kW
Electric	380 VAC (III+N+TT)

LM-SM/1200
SPRING FATIGUE MACHINE



Machinery Partner

GENERAL FEATURES

The carcass passes through movable inclined belt to enable the bonnell spring sag beforehand
Since the operator runs the machine with foot pedal, it maximizes safer working area
It is a simple and ergonomic machine to use
It ensures the maximum quality of compress in case of a different carcass size
Conveyor speed can be adjusted by the operator



LM-SM/1300
SPRING CRASHER
MACHINE

Machinery Partner

Spring sofas and mattresses are one of the primary pieces of furniture in our homes that provide us comfort in our daily life. However, the bonnell springs start to sag that creates an uneven surface characterized by 'peaks and valleys' in areas across the sofa or mattress, in turn making for an uncomfortable sofa to sit and mattress to sleep on

LM-SM-1200 is a machine that eases the production process since the upper inclined part applies pressure to the carcass to enable the spring sag beforehand that may occur later on. Working principle of spring fatigue machine: The lower and upper belts located in the machine are movable and the operator inserts the carcass into the machine between them. While the carcass is moving with the help of movable belts, the carcass is compressed by the upper inclined belt.

With the help of the movable belts, carcass comes out of the machine automatically. Spring fatigue machine enables the spring sag app 5-10 mm in the carcass and prevents spring tension as well as product deformation beforehand that may occur later over time. One operator is being required.



TECHNICAL DATA

LM-SM/1300

Machine Size	W:2250 mm L:3000 mm H:1350 mm
Machine Weight	1480 kg
Capacity	4 pcs/min
Power	3 kW
Electric	380 VAC (III+N+TT)

GENERAL FEATURES

The carcass passes through movable inclined belt to enable the bonnell spring sag beforehand. Since the operator runs the machine with foot pedal, it maximizes safer working area. It is a simple and ergonomic machine to use. It ensures the maximum quality of compress in case of a different carcass size. Conveyor speed can be adjusted by the operator.

APPLICATION AREA

Mattress Industry
Furniture Industry

MATERIALS

Bonnell Spring Carcass

STANDARD

Foot Pedal

SPRING FATIGUE AND CRASHER MACHINES

Enable the bonnell spring sag beforehand
Maximizes safer working area
They are simple and ergonomic machines



LM-SM/1400
WEDGE INSERTER MACHINE

Machinery Partner

This is used at the beginning of the mattress assembly process when the core is being built. It is used to insert foam wedges into mattresses or sofa spring cores quickly and practically. Customized production is possible by changing the number of foam wedges inserted into the spring core. A maximum of 12 foam wedges can be inserted into the spring core in as short a time as 10 seconds.

The spring cores and foam wedges are placed into the machine manually. The process can then be activated by pressing a button or foot pedal. Spring cores and foam wedges can be taken out from the machine manually in their entirety.

APPLICATION AREA

Mattress Industry
Furniture Industry

MATERIALS

Spring Frame
Foam

GENERAL FEATURES

The machine can insert foam wedges automatically into spring cores of varying sizes. It is made up of three units: a spring unit, foam reservoir, and gripper unit.

Gripper arms pass through the spring unit and catch the foam wedges lined up in the chamber with a gripper, pulling them into the spring cores.

The machine has 12 gripper arms and the mechanical gripper system that moves back and forth is pneumatic.

It is run by a PLC system.

The safety barrier surrounding the machine provides a safe working environment.

Can be serviced online.

Features a long-life Festo pneumatic system with low air consumption

STANDARD

Safety Barrier
Pneumatic Gripper System

OPTION

Pneumatic movable spring holder pin system

EQUIPMENT DETAILED INFORMATION PNEUMATIC MOVABLE SPRING HOLDER PIN SYSTEM

Spring holder pins are moved up and down by pneumatic pistons. This makes the process easier for the operator when the spring core is fed into the machine



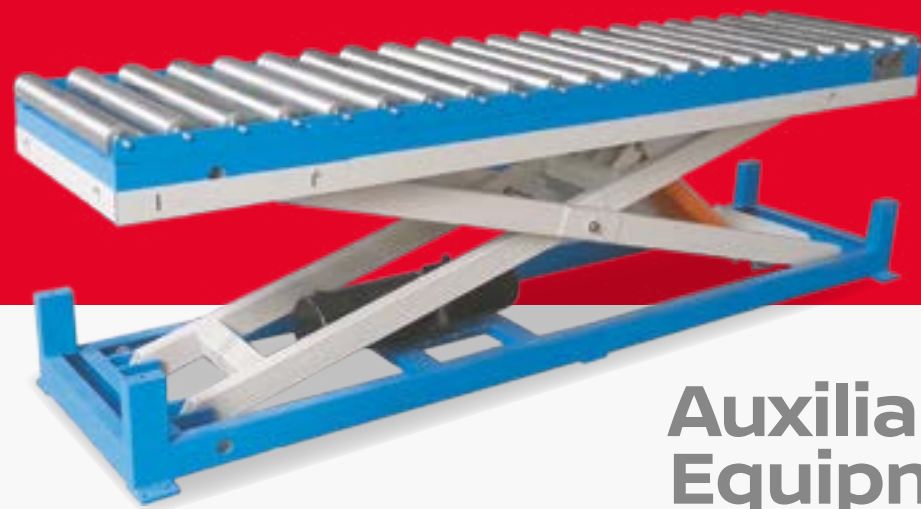
TECHNICAL DATA

LM-SM/1400

Machine Weight	600 kg
Spring Feeding Height	900 mm
Capacity	1 spring/30 sec
Max. Spring Size	W:2000 mm L:2250 H: 300 mm
Min. Spring Size	W:700 mm L:1800 mm H:100 mm
Max. Spring Weight	50 kg
Gripper System	Pneumatic
Electric	380 VAC (III+N+TT)
Power	Total: 3kW
Air Pressure	6-8 bar
CE Certificate	Yes

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AUXILIARY EQUIPMENT



Auxiliary
Equipment



LM-AE/1100
MATTRESS ASSEMBLY TABLE

Machinery Partner

GENERAL FEATURES

With its' 360-rotation feature allows the operator to work faster and more efficient
Ease of use and ergonomic
Thanks to foldable feature, it can be used for different size of mattresses
Long service life

APPLICATION AREA

Mattress Industry

MATERIALS

Foam
Felt
Carcass
Quilted Panel

Mattress assembling tables are primarily used to prepare the mattress carcass (felt, quilted panel, foam...) for the next station by using hotmelt, water or solvent-based glue
With its' 360 rotation features provides a faster and easier process for the operator
The table size is suitable to produce single and double size mattresses
Thanks to its chassis, it lasts for a long time
Ease of use



TECHNICAL DATA

LM-AE/1100

Closed Table Size	W:900 mm, L:2000 mm H:900 mm
Open Table Size	W:1800mm L:2000mm H:900mm
Table Weight	150 kg
Table Height	900 mm

LM-AE/3000
GOODS TROLLEY



Machinery Partner

An extremely goods trolley with the space saving benefit of being able to be collapsed easily for storage when not in use.
It eases the storage and transport process of the components during the production.

APPLICATION AREA

Furniture Industry
Mattress Industry

MATERIALS

Mattress Components

GENERAL FEATURES

With its' 360-rotation feature allows the operator to work faster and more efficient
Ease of use and ergonomic
Thanks to foldable feature, it can be used for different size of mattresses
Long service life



TECHNICAL DATA

LM-AE/1100

Trolley Size	W:2200 mm L:2200 mm H: 1250 mm
Max. Capacity	500 kgs



LM-AE/1200
SOFA ASSEMBLY
TURNABLE

Machinery Partner

It is an assembly turntable that the top table rotates 360 degrees. With its rotating 360 degrees feature, the operator manages covering of sofa such as armchair much more easily and help them to speed up the production process. The system runs with pneumatic press without requiring electricity. With the help of pneumatic piston, the table can move up/down and the operator manages the adjustment of it by the foot-pedal much more easily. Thus, it prevents any occupational diseases and provides a better quality and faster assembling process. Since the top table rotates 360 degrees, it allows the operator to work much more comfortable and increase assembling process efficiency. Turntable is used in order to stop the operator from moving around the product during the assembling process. It requires 1 operator at the machine.

With the help of pneumatic piston, the table height can be adjusted by the operator through moving it up and down. The operator manages the adjustment of it by the foot-pedal much more easily. With its up and down features, it prevents any occupational diseases and provides a better quality and faster assembling process. In case of power failure, the system locks itself. With its self-lock feature, it prevents any risk of top table hits to the floor thus ensures a safer working area. With its rotating 360 degrees feature, it increases the efficiency and reduces the labour force. It is a simple and ergonomic assembling table to use. According to customer requirement, the assembly table can be produced without turntable.

STANDARD
Foot Pedal

OPTION
Conveyor



APPLICATION AREA
Furniture Industry

MATERIALS
Sofa
Armchair
Wing Chair

TECHNICAL DATA

LM-AE/1200

Table Size	W:800 mm L:2000 mm
Max. Table Height	1100 mm
Min. Table Height	350 mm
Table Weight	250 kg
Pressure System	Pneumatic
Air Pressure	6 bar

It is a conveyor that can be used as a feeding conveyor at the slicing machines such as PVC edge banding and chipboard sizing in the first place as well as product loading/unloading and transportation conveyor in different sizes and working ranges according to the place of use. The conveyor has a hydraulic lift and automation system enables the conveyor to move up and down. By adding the sensor located on the panel sizing machine entry and with the help of automation, the conveyor adjusts its' height according to the product height automatically. Thus increases the process efficiency and provides a comfortable working area. In the same way, it enables the loading, unloading and the transportation process of the production lines easier. Custom sized production is available.

APPLICATION AREA
Furniture Industry

MATERIALS
Chipboard
Mdf



LM-AE/2000
FEEDING CONVEYOR



Machinery Partner

GENERAL FEATURES

The conveyor has a hydraulic lift system. According to the customer inquiry, the feeding conveyor can be produced either stable or movable. In the meantime, various-sized production is available. It increases the efficiency and reduces the labour force. It is a simple and ergonomic conveyor to use.

OPTION
Blade Grinding System
Roll Wrapping System

STANDARD
Panel Sizing Machine
Alignment Unit

TECHNICAL DATA

LM-AE/2000

Conveyor Size	W:800 mm L:2200 mm
Max. Conveyor Height	1100 mm
Min. Conveyor Height	350 mm
Conveyor Weight	450 kg
Pressure System	Hydraulic
Hydraulic Pump	2.2 kW, 10 lt, Powerpack
Electric	380 VAC (III+N+TT)
Air Pressure	6 bar
Power	2.2 kW

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STORAGE SYSTEM



Storage
System



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LM-MS-AMS/1000
AUTOMATIC MATTRESS STORAGE
SYSTEM (AS/RS)

Machinery Partner

(AS/RS) Automated mattress storage and retrieval systems are designed to store the mattresses on racks and retrieval of them quickly on demand through computerized driven system.

ADVANTAGES: Increased Storage Capacity

The most obvious benefit of ASRS is the considerable space savings they provide. An efficient AS/RS system helps companies by minimizing the storage of unnecessary products and improving organization of warehousing. Automated mattress storage system allows you maximizing your current storage area to store more products.

Reduced Labor Requirements and Costs

The second most obvious advantage of automated storage and retrieval systems is the labor savings as well as cost.

AS/RS units dramatically reduces the operator walk and search time. In other words, system provides the companies faster and more reliable operation of the warehouse.

In manual operations, the workers spend most of their shifting through searching the shelves, looking for the correct item and matching up the part numbers as can take several minutes or more.

Thanks to our AS/RS mattress system, the machines deliver the stored mattress to the operators quickly as needed. In the meantime, it easiest and accelerates the process of picking up or storing the required mattress quantity, finding location of the right product and readying them to load on time through reducing the workforce.

Automation reduces labor costs while lowering workforce requirements and improves the competitive power of the companies.

There is an opportunity for human error at storing or picking process. At AS/RS system, it eliminates the error thus leads the company to reach zero error at storing, retrieving as well as loading process.

AS/RS system reduces the operation expenses of warehousing and improving the speed of return on investment (ROI)

Improved Safety & Ergonomics

AS/RS system creates a safe and ergonomic working environment for employees

Greater Inventory Control

AS/RS system helps your company manage your inventory so you always know what you have and more importantly - where it is.

Equipment Details:
Storage Racks
Movable storage lift
Automatic Mattress Stacker
Cross Conveyor (90 Degrees)
PVC Conveyor Belt
Mattress Rotation and Transfer Conveyor
Telescopic conveyor for loading mattress
Slotted Belt Conveyor

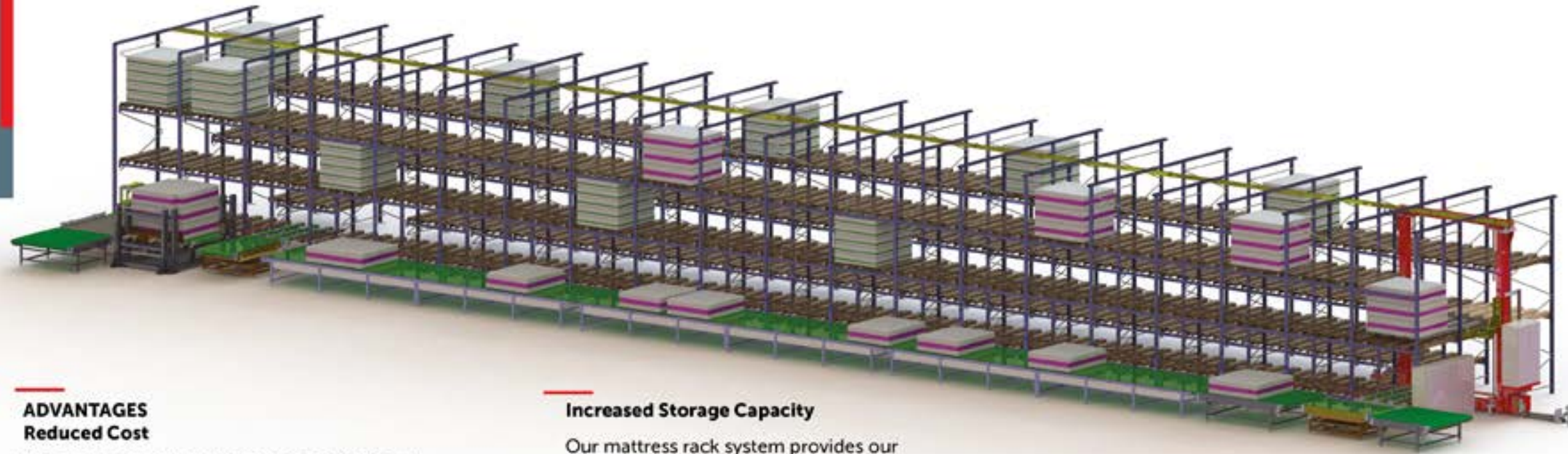




LM-SS/1100
MATTRESS STORAGE RACK SYSTEM

Machinery Partner

It is a mattress storage rack system that helps the companies to store their mattresses safely and quickly without damaging the product. Racks are made of special profiles which are drawn in a machine called roofform. Rack system has a strong and durable construction that it can withstand any damage that can occur during the warehousing and use over a longer period of years. Customized storage rack solutions for various inquiries in rack height and length sizes at AS/RS automatic mattress storage systems. Rack width is 2200 mm.



ADVANTAGES Reduced Cost

The mattress rack system is designed without pallets thus ease the shipment process and provide them the cost advantage. It minimizes the risk of any damage during the storage and shipment process.

Increased Storage Capacity

Our mattress rack system provides our customer considerable space savings.

Customized Solutions

We offer customized solutions for our various customer inquiries according to their warehouse and product type.

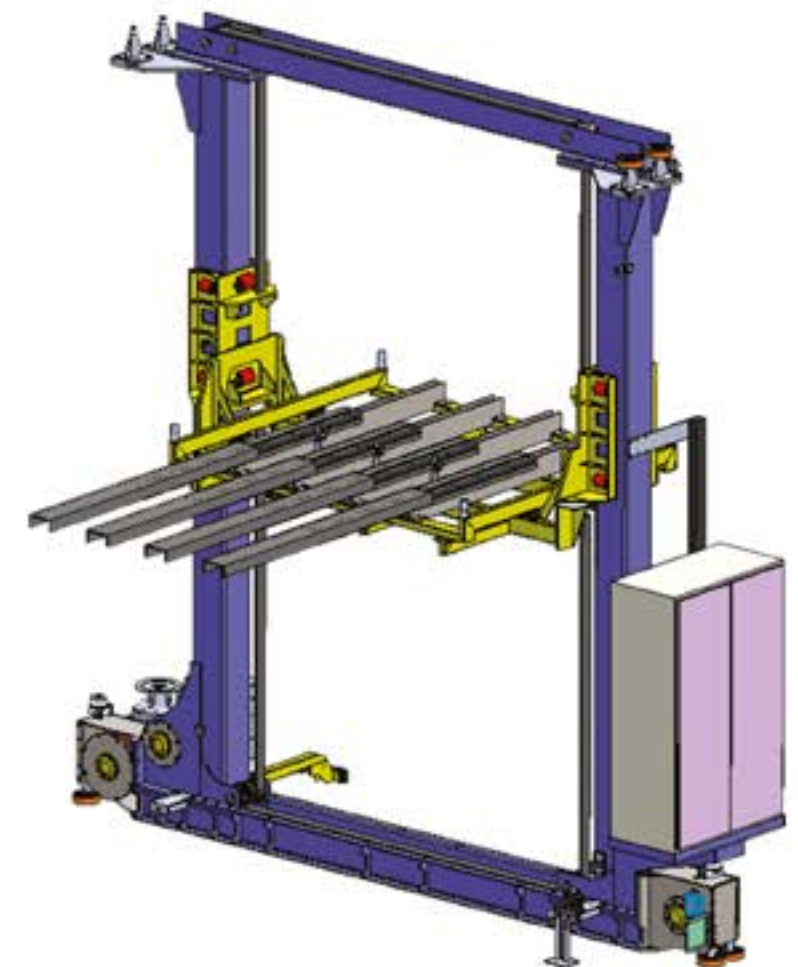


STACKER CRANE

Stacker cranes are automated machines that perform the storage and retrieval of the mattresses precisely, accurately and quickly while working with the racking system. The stacker cranes are guided by a management software system, which coordinates all the activities.

On a fixed rail along the corridor, stacker crane maintains the balance, performs safely and moves horizontally (X-direction). The crane is equipped with sensors which measure distance along the line and provide precise positioning. The average velocity in horizontal axis is about 100 m/sec and lifting speed is 50 m/sec. Communication with the control panel and data flow in the system are running wirelessly. The stacker crane robot is a single unit by itself. All the systems and components needed are carried in a dashboard. It consists of sections such as column, elevator, control panel and telescopic fork.

We ensure that our extensive range of Stacker Cranes can operate with diverse loads, up to 1.000kg and installed power is 40 kW.





LM-MS-TMC/3000
TELESCOPIC MATTRESS CONVEYOR

Machinery Partner

Telescopic conveyors are extendible conveyors that help reaching inside the vehicles such as trailers, trucks, containers to load or unload the mattress or your products in a safer, quicker and ergonomic way

Our customers can choose the number of booms, belt width and retracted length based on the type of vehicles used for loading/unloading

Total power requirement is 4 kW

Customized solutions: options: Our telescopic conveyor machines can be equipped with additional options in order to perfectly adjust to warehouse characteristics and processes

ADVANTAGES

Improved work ergonomics

Maximize the safety

Faster loading and unloading process

Increase the efficiency of the warehousing

FIXED TELESCOPIC CONVEYOR



HORIZONTAL MOVING TELESCOPIC CONVEYOR



TELESCOPIC CONVEYOR TYPES



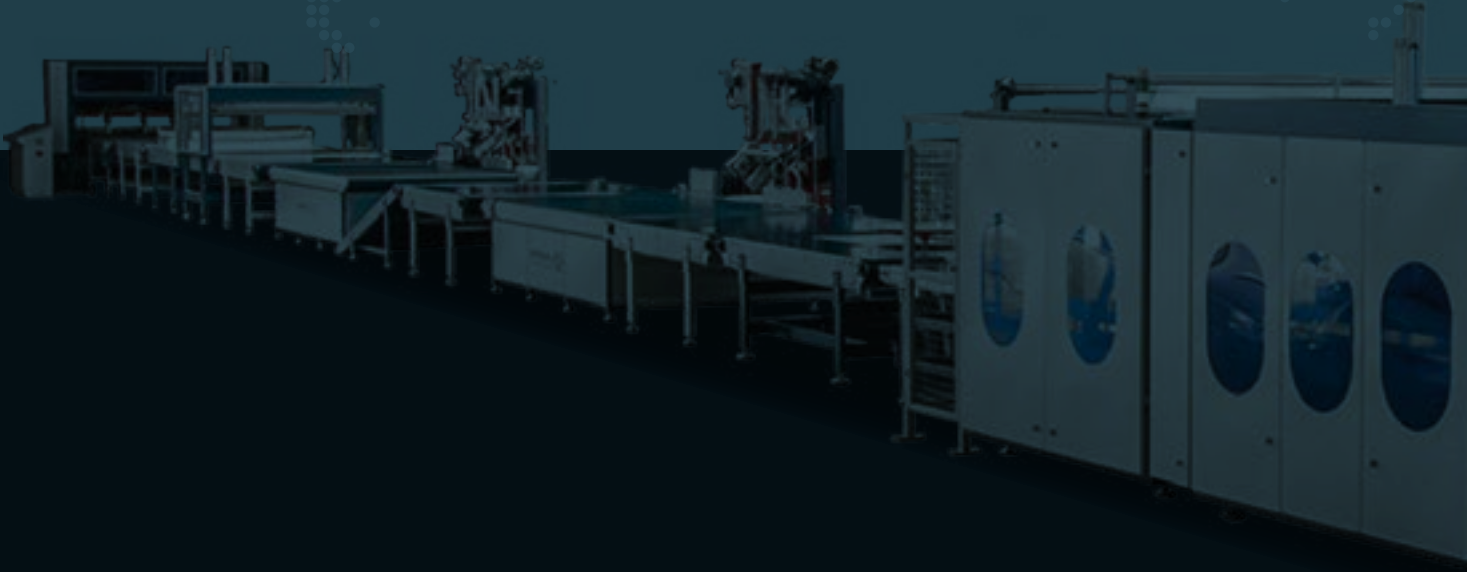
MOVABLE MOTOR-DRIVEN TELESCOPIC CONVEYOR





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more than
30+ years of
experience!



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