LM-SM/1400

WEDGE INSERTER MACHINE

YOUR MACHINE 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 entirely.

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