

ROLLFLEX: ROLL COATING SYSTEM

OUR ROLL COATING SYSTEM HAS SEVERAL BENEFITS WHICH MAKES IT DIFFERENT FROM ANY OTHER ON THE MARKET.

Rollflex has a laser sensor which identifies the thickness and the shape of the Foam plate. The machine is able to adapt the height of the rollers on the foam automatically, saving a lot of time and making the adhesive application equal regardless to the sequence of foam layers entering the machine (different thickness, one after the other).

SAVE TIME

When compared with competitor's systems which use smaller rolls (cross rollers); Rollflex is very fast in application with a possible speed of up to 30m/min which means a layer in just a few seconds.

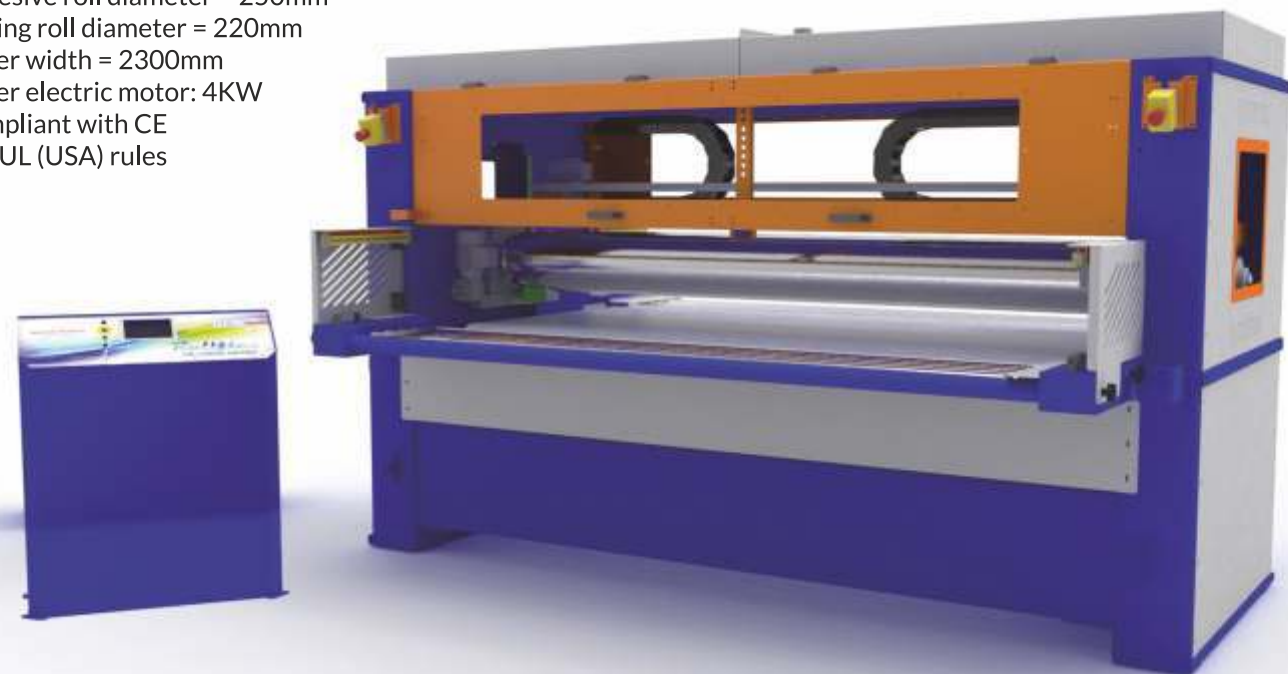
The system will also follow automatically contoured foams such as waves or other shapes... always fast, precise and without complexity.

Rollflex has many other features such as quality construction, 8mm thick steel, and advanced software technology which provides great flexibility in the application.

Rollflex is always equipped with an automatic adhesive re-filling system (level of adhesive is controlled by laser sensor).

Some technical features:

- ✓ Automatic height detection of the foam layers via a laser sensor including the ability to follow a contoured shaped foam plate
- ✓ Automatic adhesive refilling of rollers via laser sensor
- ✓ Roller tolerance = +/- 0.02mm (high accuracy for constant and equal application)
- ✓ Speed: adjustable 0-30 m/min (programmable or manual)
- ✓ Dosing system: manual (micrometric precision) or automatic by servo-motors (optional)
- ✓ Construction: main frame in 8mm thick solid steel, strength without compromise!
- ✓ Rolls made of stainless steel
- ✓ Adhesive roll diameter = 250mm
- ✓ Dosing roll diameter = 220mm
- ✓ Roller width = 2300mm
- ✓ Roller electric motor: 4KW
- ✓ Compliant with CE and UL (USA) rules



SAVE ADHESIVE

Other machines, without a laser sensor, tend to press the adhesive too deep into the foam layer resulting in higher application rates which increases cost and dry time.

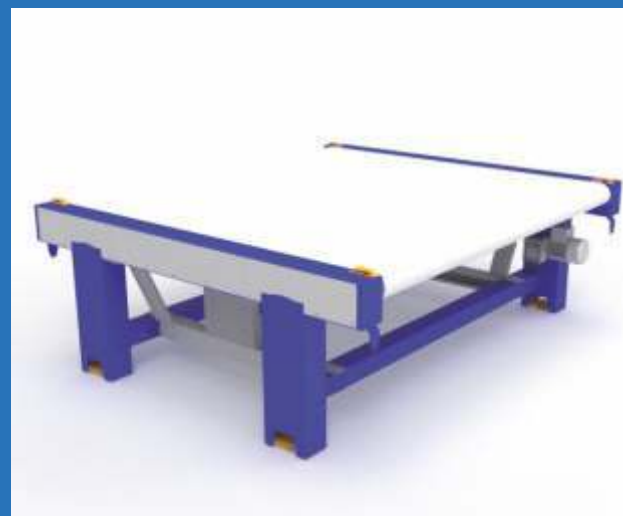
INTEGRATED MOTORIZED TRANSFER AND ASSEMBLY CONVEYORS

STRONG, PRECISION ENGINEERING, SYNCHRONIZED AND AUTOMATED

The integrated working tables are additional motorized conveyor sections that can be synchronized for smooth workflow with the Rollflex system and or the Press. Whether used for the loading or unloading of foam layers, the working tables add additional pieces of automation. An additional option is our motorized assembly table which is equipped with foldable wings on both sides of the unit.

This piece aids in work flow and employee comfort by limiting reaching while assembling smaller mattress sizes.

Both tables have a length of 2200 mm.



MATRESSES PRESS

STRONG, POWERFULL AND SAFE

Strength and power: a very solid 6mm thick steel frame and more than 2.5 tons pressing power.

Performance: the machine is equipped with advanced software technology to optimize performance. It's possible to set, from the main touch screen, various parameters such as the pressure setting (in Bar), the number of cycles, the press depth and press time. The speed of the press belt is synchronized with the other conveyors belts for precise automation: with the simple push of a button, or foot pedal, the foam plate enters the press, is perfectly centred via sensors and the pressing sequence s completely automatic.

Light safety barriers make the system absolutely safe!



SAHARA

INFRA RED DRYING MACHINE

Sahara is our new and most innovative machine ready to revolutionize the mattresses industry: we think you'll be blown away by the possibilities it creates!

Integrated into our Rollflex system, a single component water-based adhesive is applied and the layer passes under the infrared lamps.

This process eliminates enough moisture content to allow for the immediate packaging or roll packing of mattress in line without the need for additional dry time!

