ROLLPACK RL2000

ROLL PACKING MACHINE FOR INNER-SPRING UNITS

Probably the only Roll Packing machine that allows so many springs to be loaded into a truck or container!

A roll packing system for innerspring units of up to 200cm width, packs bulky spring units into easy-to-ship and easy-to-open compressed rolls. The Rollpack machine offers convenient, fast, safe and low cost baling of innersprings for mattresses.

amelco INDUSTRIES LTD

2200 spring units 90x190x13cm of wire diameter 2.00mm can be loaded in a 20' container!!!

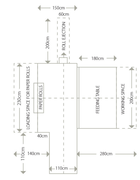
ROLLPACK RL2000EH

The spring units are compressed and wrapped together using special kraft paper or polyethylene film (or other suitable material) on a mandrel. The level of compression can be adjusted by a pneumatically controlled pressure roller and paper tension to suit any strength of spring.

Up to 20 units can be wrapped in a roll with the number depending on the size, type and height of the spring unit, the thickness of the wire and whether flat border frame is attached.

Once the paper is cut and secured, the roll is then drawn out from the mandrel by means of a hydraulic ejector and the bale is ready for shipment or compact storage.

Working Space For RL2000EH



ROLLPACK2000EH features:

- High ejection power to achieve a production rate of 8 – 10 rolls per hour.
- Additional shafts enable the machine to roll pack spring units of exceptionally greater height.
- Photoelectric sensors at knee level to avoid accidents.
- The machine is supplied complete with a feeding table on rails.
- Due to the monolithic construction of the machine, there is no need for any time consuming installation.
- The weight of the machine is 3450kg and can be delivered in a 20' container.

Automatic reverse and reset of the machine on ejection cycle.

Fully computerized: All logic circuits are controlled by a PLC (Programmable Logic Controller) giving additional safety features, flexibility and making the process operator friendly.

A motor inverter provides a fully variable speed capability, keeping the rolling/packing operation at a constant speed, independent of the diameter of the roll.

The rolling speed can be selected to suit the operator's pace, experience, type of spring unit, complexity, etc.

Pre-selected slow start of rolling, giving the operator time to position the first unit. The machine stops automatically when the paper or other wrapping material runs out or breaks.

specifications

- **Maximum width of spring units:** 200 cm
- **Type of spring units:** Bonnell, continuous, pocketed, etc. with or without flat steel strip border frame. For spring units with height greater than 16cm, the use of 2-ply wrapping paper is recommended.
- **Wrapping Material:** Extensible kraft paper is most commonly used. Other material such as plastic firm and PP cloth can also be used. Maximum roll diameter is 80cm and bore diameter is 75mm. One or two rolls can be used depending on the type and size of spring units being used.
- **Wire of coils:** Due to adjustable pressure available on the pressure roller, practically any coil wire diameter can be used (as long as the paper is strong enough).
- **Maximum Roll diameter:** Absolute maximum diameter is 70cm. A warning signal is given when the roll exceeds the diameter of 65 cm. Recommended diameter is 60cm so that 4 rolls will fit exactly a container's width and height.
- **Mandrel diameter:** 215mm (standard). 250mm & 280mm (optional) can be used to suit different types and height of spring units and flat border frame.
- **Electrical power consumption:** Maximum 7.5kW
- **Compressed air supply:** About 6kg/cm2, with a consumption of less than 0.01m3 per roll (per cycle).

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The machine carries the **CE Certification** of safety
Safety guards, interlockings, sensors, an accidental emergency STOP and a "Head Collision" STOP give an extra safe operation.

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