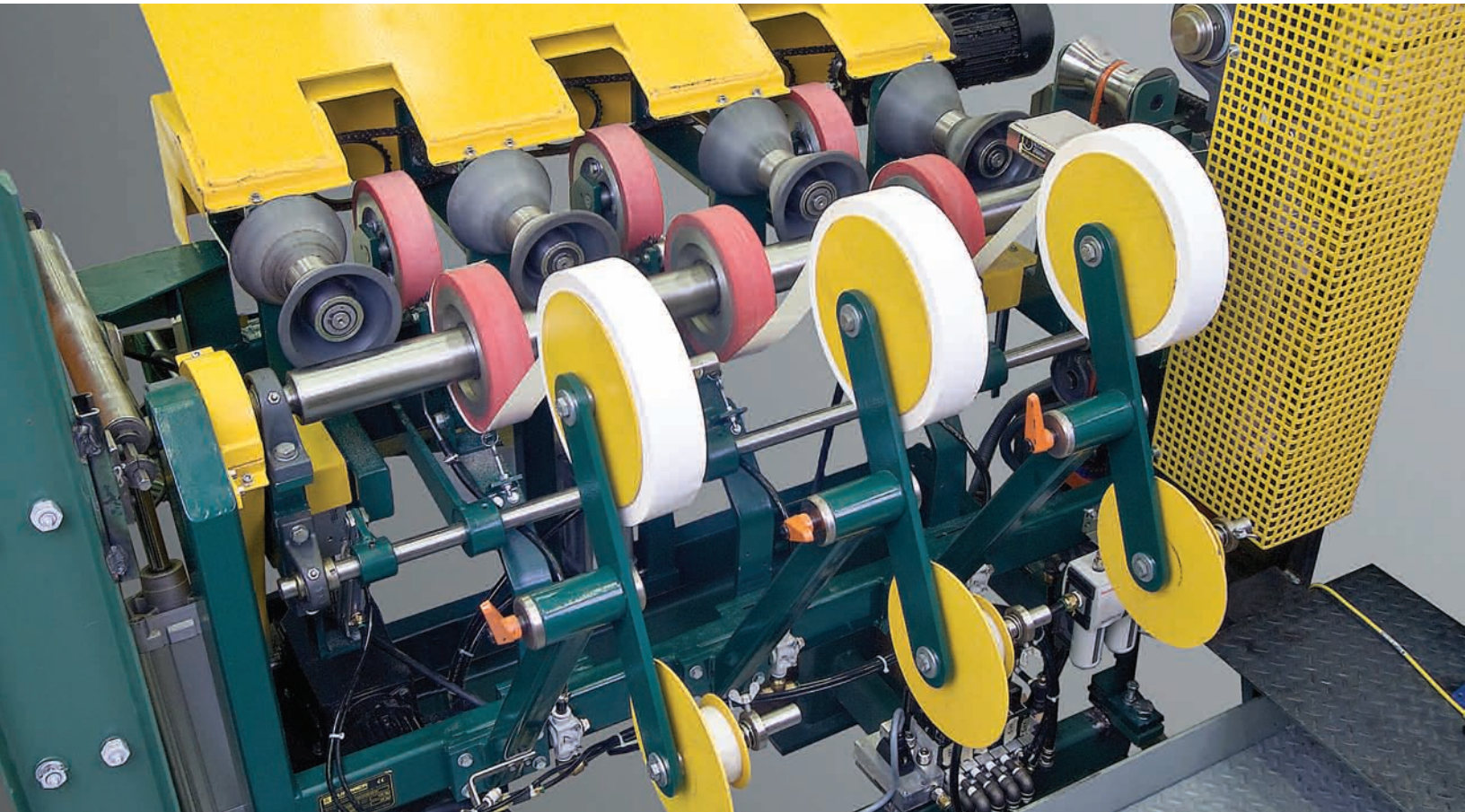


Taping Unit



**Increases Productivity by
Reducing Winder Cycle Time**

Taping Unit

Model EPM-07

The taping unit is designed for the packaging of individual rolls of roofing membrane in a more efficient and quality-consistent manner. The roofing membrane is wrapped with self-adhesive tape after winding to enable increased throughput.

The state-of-the-art configuration provides higher productivity.

The In-line Taping Unit is located immediately after the Winder. This configuration allows for taping of a completed roll while winding of the next roll. This not only increases the production rates but also greatly improves the quality and consistency of the taping process.

Stronger bond with less tape used.

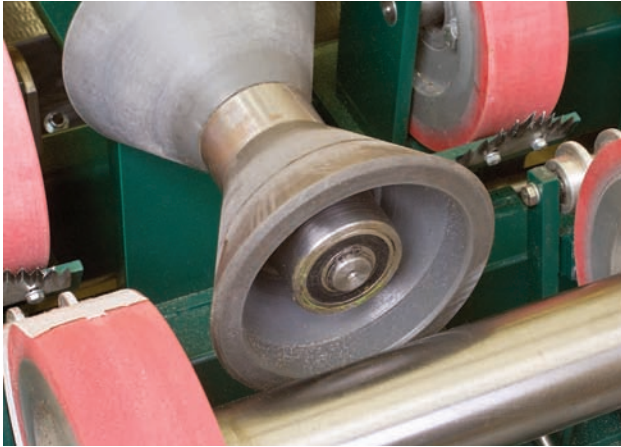
After a membrane roll has been positioned for taping, the concave rollers are pneumatically retracted downward thus lowering the membrane roll onto a set of rubberized rollers having the adhesive tape. Since the membrane roll is set directly on top of the tape and the tape is now

pinched in between the membrane roll and the rubberized rolls, the adhesion of the tape to the membrane roll surface is maximized.

The adhesive tape is pulled from the supply roll by the driven rubberized rollers. This configuration eliminates the dependence on tension and adhesion between the roll of tape and the membrane roll thus assuring consistent taping even when a membrane roll has a sanded backing or is not perfectly round.

Since the tape is held between the membrane roll and driven roller typical problems of tape misthread are avoided. The resulting bond is much stronger with less tape being used than when taping at the Winder.





The taping unit consists of several individual components which include the a concave roll feed conveyor, swiveling unit and lifting unit.

Basic Unit

Basic unit represents the base of the machine.

Individual components include:

- Welded steel frame
- The drive shaft to accommodate the tape delivery rolls
- A rapid exchange system for the tape rolls
- A guide and pressure roller system for the tape feed
- A stop with pneumatic damper and positioning

Swiveling Unit

The integrated rubberized rollers of the swiveling unit combined with the tape delivery rollers of the basic unit to form a support and guide bearing for the roll to be packaged.

Individual components include:

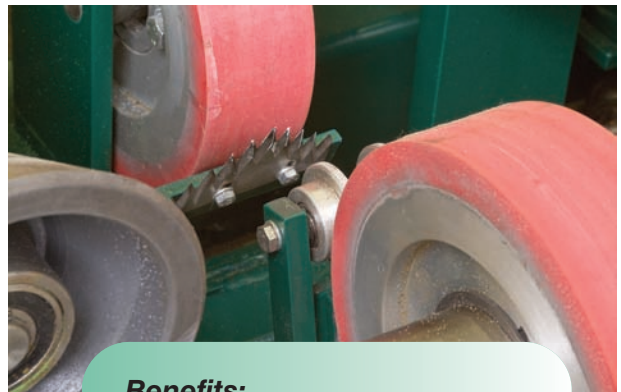
- The swiveling (tilt) frame made of welded steel construction
- Pedestal with rubber casters (one piece per tape)
- A torsional shaft controlled pneumatically via a lever with blade holders and installed blades

Lifting Unit

The lifting unit integrated within the swiveling unit serves as horizontal conveyor system for the membrane rolls that are conveyed through the machine. The pneumatic lowering of the unit is intended to deposit the conveyed materials on rubberized rollers.

Individual components include:

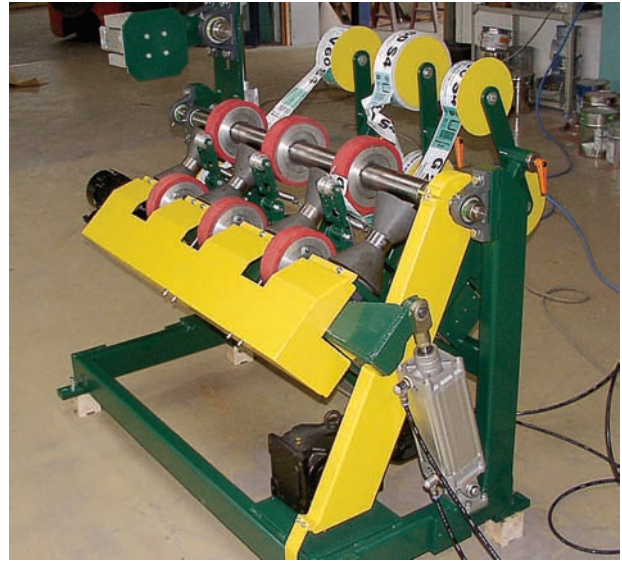
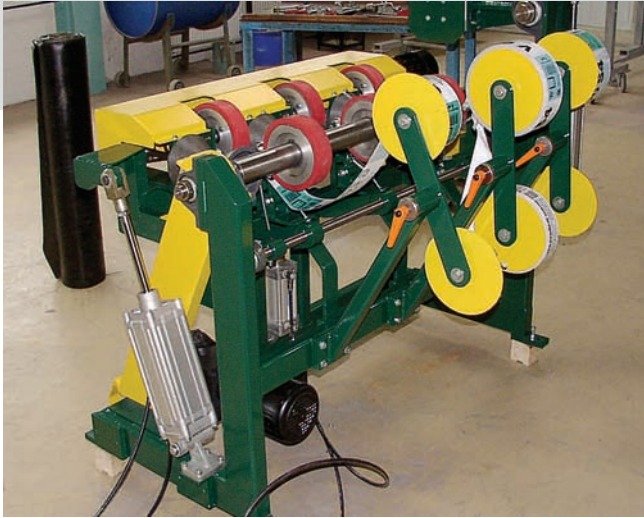
- The guide frame assembly
- V-shaped transport rollers with integrated return stop. One roller is driven directly by a worm gear motor and all rollers connected in series are driven by means of a chain drive.



Benefits:

- Increased productivity
- Consistent taping on sanded surfaces or rolls which are not perfectly round
- Strong bond with less tape being used

Taping Unit EPM-07



Features

Approximately 12 in. (305 mm) wide x 48 in. (1219 mm) long driven concave roller conveyor with three (3) tape heads for taping of wound rolls of asphalt roofing product with 2 in. (51 mm) wide tape.

Speed	11 mpm (36 fpm)
Motor	1 Hp (.75 kw); [230/460 Volt/60 Hz] or [220/450 Volt/50 Hz]
Reducer	Tigear
Drive	Bottom Mount
Rollers	Concave rollers manufactured of UHMW type material
Frame	Formed 12 gauge
Bearings	Sealed Roller
Electrical	Motion sensors, pneumatic solenoids and motor wired to junction box mounted on side of conveyor frame



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