

SPRINGER®



ED 3000 WRAPPER*

Fully automatic wrapping machine for
lumber packages

*Patent granted

ED 3000 WRAPPER*

Fully automated packaging machine for lumber packages, equipped with a combination unit, welding head module, or sewing head module.



The innovative machine concept of the ED 3000 Wrapper enables the efficient and automatic wrapping of lumber packages in planing mills and lumber mills.

Quickly and optimally wrapped

The ED 3000 Wrapper only needs 50 seconds to wrap a package. This makes it one of the fastest machines on the market.

The wrapping is done in combination with a film magazine which can hold up to six rolls of flat film/wrap and feeds the respective film/wrap automatically. The machine's built-in sensors detect the orientation of the incoming package and centers itself.

The gripper arms then grab the centered film/wrap and place it on the package that is passing through. After the film/wrap is placed over the package, the corners are either welded and trimmed, or trimmed, folded, and sewn. This creates a film hood that is individually tailored to the package size - without any loose film corners that require additional securing. The welded seams are completely waterproof and withstand all transport stresses with maximum reliability. The machine can be equipped with welding heads or the specially developed SPRINGER sewing machine module.

This means that not only polyethylene but also woven wrap can be processed. Tightness is ensured by means of a sewn fold created by a folding device installed in front of the sewing head. For reliable monitoring of needle or thread breakage, the sewing clamp is equipped with a thread monitor for upper and lower threads. The sewing machine is driven by a servo motor.

As an option, SPRINGER also offers a downstream package tape nailer unit to prevent the film/wrap from being pushed up by the airflow.

ADVANTAGES:

- Continuous production process that isn't interrupted by the wrapping process.
- Fully automatic wrap magazine for six films.
- Film hood individually adapted to the package size without loose film corners to be additionally fastened.
- Optimal maintenance possibility thanks to easy, safe access to the individual components.
- Modular design for combination, welding head, or sewing machine module. (retrofitting possible at any time)
- Easy to integrate into existing lines.

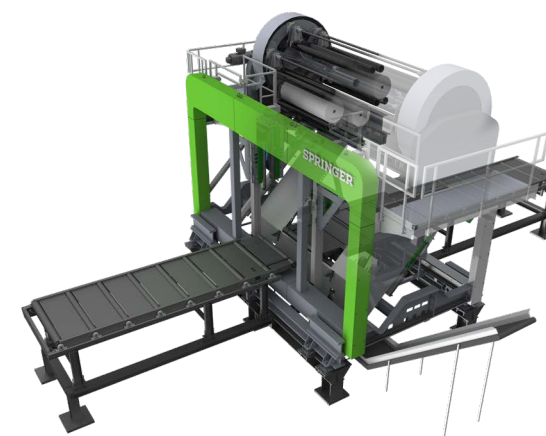
WRAPPING MACHINE

Package height: 300 - 1,200 mm (11.8 in - 47 in)

Package width: 800 - 1,200 mm (31 - 47 in)

Package length: 1,800 - 8,000 mm (70 - 314 in) max.

Centering path: +/-230 mm (9 in)



FILM MAGAZINE

Film width: 1,400 - 3,700 mm (55 - 145 in)

Max. film roll diameter: 500 mm (19.6 in)

Film weight: 800 kg (1,763 lb)

Number of films: 6 pieces



COMBINATION UNIT

Material: Suitable for all materials; limitations apply for extreme dimensions

Requirement: Flexible film material

Packaging speed (sewing):

2 m - 65 s, 6 m - 73 s

Packaging speed (welding):

2 m - 55 s, 6 m - 63 s

Thread capacity:

2 x 2.5 kg (5.5 lbs); 2 x 12,500 m (41,000 ft) (per sewing head)

Durability / Heating level:

Up to 5,000 packages



SEWING HEAD MODULE

Material: Material-independent, restrictions on limit dimensions

Requirement: flexible material

Packing speed:

2 m (78 in) - 60 s, 6 m (236 in) - 68 s

Thread capacity: up to 5,000 packages



WELDING HEAD MODULE

Material: PE, 60 - 150 µm

Packing speed:

2 m (78 in) - 50 s, 6 m (236 in) - 58 s

Service life/degree of heating:

up to 2,000 packages



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