

A close-up photograph of a single face rewinder machine. The machine's rollers are shown in the foreground, with a roll of brown woven fabric being processed. The fabric has a distinct grid-like texture. The background is slightly blurred, showing more of the machine's structure. The overall scene is set against a bright yellow background.

Single Face Rewinder

pivab
MACHINERY

Design, production, innovation

Pivab designs and manufactures special machines that handle material on rolls in different ways. With the whole world as a market, we have for more than 35 years delivered innovative solutions in winding, laminating and cutting. The machines has been constantly developed and refined over the years.

A machine from Pivab guarantees high quality, performance and long reliability. Product development and manufacturing takes place in Kolmården outside Norrköping, Sweden.



Pivab strives for machines with superior quality and performance. This is thanks to a team of skilled employees with high-level of competence.



A passion for optimization and perfection permeates everything we do.

Pivab's fully automatic winders for single face For increased productivity and profitability

Efficient, profitable production is a prioritized and obvious goal for every producer company. Regardless of orientation, the aim is for efficient, disturbance-free operation where all parts of the production plant can be utilized optimally. A fully automatic winder from Pivab is designed to meet all these goals. It is optimized for the capacity and speed of the corrugator. With a machine from Pivab, costly and time-consuming manual handling is avoided. Improved working environment is another bonus with reduced dust particles and no heavy lifting.

Pivab has more than 35 years of experience in the design and manufacture of automatic winders for the single face industry. Pivab's innovative solutions provide the opportunity to increase production and lower costs through automated functions and high production speed.

We support you all the way

We map and define your winding needs. With this as a basis, we propose a solution based on our system of standard modules. Our commitment includes delivery, installation, training and help during start-up. Pivab has good geographical coverage and can offer fast, comprehensive service and support.

Advantages of a Pivab winder

Uninterrupted operation

With Pivab's fully automatic rewinder, the roll change takes place automatically and completely without stopping the rewinder. This includes cutting, taping and ejection of the finished roll. At the same time as a new roll starts.

High production speed

Matches most modern corrugator production speeds of up to 300 m/minute. For example, 75 meter rolls can be rolled with an average web speed of 150 m/minute.

Improved work environment

No heavy lifting. Razorblade knives minimize the occurrence of paper dust.

High quality of cut and wind

Sharp cuts through easily adjustable longitudinal razorblade knives with automatic knife sharpening. Smooth rolls through regulated web tension control, integrated with the winder.

User friendly software

The machine is operated from a control panel. The operator can set parameters such as roll length, speed, label text (optional), etc. Frequently used production settings can be stored and easily recalled at the press of a button.

With or without cores

Pivab's unique design enables rewinding without cores, which saves both time and money. Rewinding can, of course, be done with cores if required. The selection is easily carried out from the control panel without any need for mechanical re-adjustments

Lifting table - conveyor belt

After the finished roll has been sealed, a lifting table is raised, which relieves strain on the rewinding shaft. An arm then ejects the roll from the shaft onto a conveyor belt.

„75 meter rolls,
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Fully automatic – all the way to the pallet

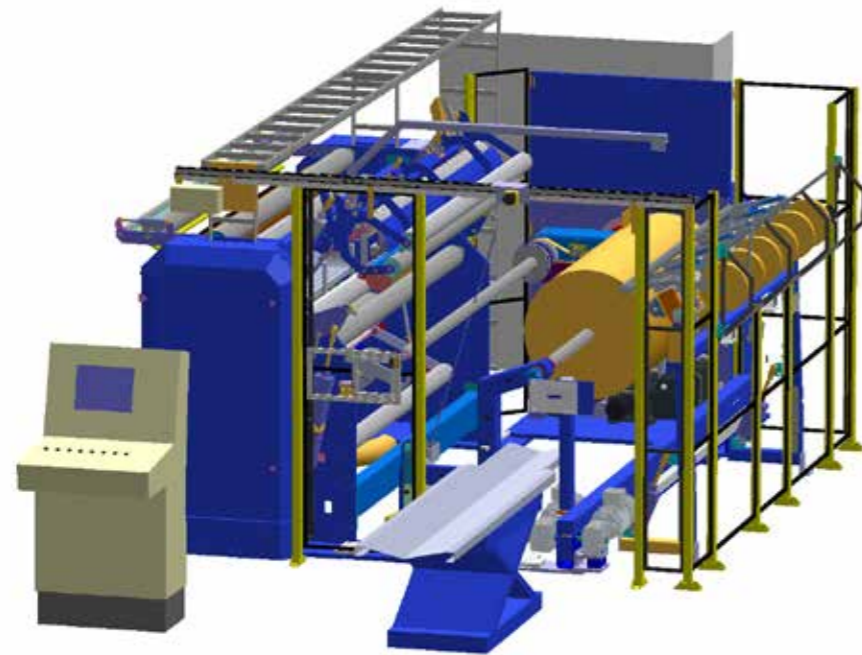
Pivab's fully automatic winders are developed and optimized to increase the efficiency of the company's production. With our two main models and associated option programs, we can integrate our machines into existing or planned production lines. This regardless of requirements for roll dimensions, number of webs and production capacity.

One of the most obvious advantages of Pivab's fully automatic slitter rewinder is the high production speed that can be achieved by means of fully automatic reel changes during operation, along with the rapid, simple transition between production batches. Pivab's fully automatic slitter rewinder also offers a significantly improved working environment, partly thanks to user-friendly software and automated functions that eliminate the manual lifting of heavy loads.



For all needs and applications

Pivab's fully automatic winders are produced in two main models Heavy and Light. Both with the same high general economic, operational and user-friendly advantages. The models are specially adapted for different application areas in terms of performance and capacity. With these product ranges and associated options, we cover the vast majority of needs in modern production of single face.



PIVAB HEAVY

Mainly intended for large, heavy rolls, e.g. lamination well. The model can of course also handle small, light rolls. The Pivab Heavy is equipped with a lifting table and conveyor belt as standard.

HEAVY

MAX ROLL WIDTH	MAX ROLL DIAMETER	MAX ROLL WEIGHT
1800 mm	1500 mm	1000 kg
2500 mm	1500 mm	1000 kg
2800 mm	1500 mm	1000 kg

PIVAB LIGHT

Intended for rapid production of smaller, lighter rolls of single face. Pivab Light is equipped with an unloading table. Allowing the rolls to be pushed out automatically.

LIGHT

MAX ROLL WIDTH	MAX ROLL DIAMETER	MAX ROLL WEIGHT
1800 mm	800 mm	150 kg
2500 mm	800 mm	100 kg
2800 mm	800 mm	100 kg

OPTIONS

- Label printer
- Additional slitting knives and tape positioning
- Automatic slitting knife positioning
- Scoring knives - fixed position
- Scoring knives - adjustable position
- Rewinding shafts of different diameter
- Upender (only for Heavy and Light)
- Tubes and nozzles for surplus edge trim extrusion

REWINDING SPEED

Max speed	300 m/min
Average speed (for 75 m roll length)	150 m/min

Adapt the machine to your needs

A rewinder machine from Pivab always maintains very high quality in terms of performance and durability. In addition, each machine can be equipped with a number of tools to adapt to the specific wishes and needs of each business. Here are some examples of options that in different ways further refine and optimize a Pivab rewinder.

• Knife positioning

Choose between manual and automatic positioning. With automatic knife positioning, efficiency in production is increased and the changeover time between different batches reduced. Automatic positioning is available in two different versions with different speeds of setup time.

Manual

Positioning is easily done by the operator who with the help of a measuring scale moves the knife to the desired position.

Automatic

Knife positioning takes place automatically. The knives are moved with a belt to the desired position (20-60 seconds).

Automatic - Advanced

The knife positioning takes place automatically with individual motors on each knife. This gives a superior setup time (under 5 seconds).

• Automatic labeling

All of Pivab's rewinders can be equipped with a label printer for marking finished rolls. The user decides the appearance and content of the label and the label is applied automatically.

• Core feeding

Pivab offers solutions for both manual and automatic core feeding. Automatic core feeding can be obtained with a magazine for 10 cores.

• Tape positioning

Automatic tape positioning is yet another option to further increase efficiency in production and reduce changeover times between recipes.

• Up ender

The reel can be equipped with an automatic reel erecting unit which raises the finished roll onto a pallet (option for Heavy / Light).



Sharp cuts through easily adjustable longitudinal cutting knives with automatic knife sharpening.



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