

Technical data	Basic	Standard	Profi
Max. plan outlines of pallet to be wrapped (mm)	1 250 x 1 250	1 250 x 1 250	1 250 x 1 250
Min. plan dimensions of pallet to be wrapped (mm)	600 x 600	600 x 600	600 x 600
Max. height of goods to be wrapped incl. pallet (mm) *	1 600	1 600	2 000
Capacity acc. to pallet type and packing way selected	max. 40 units/hr	max. 70 units/hr	max. 85 units/hr
Braking systems	elmagnetic brake	power prestretch	power prestretch
Wrapping film width (mm)	500	500	500
Max. winding diameter (mm)	250	250	250
Max. height of machine (mm) ****	3 600	3 600	4 000
Width of machine (mm)	2 230	2 230	2 230
Length of machine without top sheet equip. (mm)	2 500	2 500	2 500
Length of machine with top sheet equip. (mm)	-	2 800	2 800
Ring speed (rpm)	26	40 **	40 **
Air operating pressure (MPa)	0,6 - 1	0,6 - 1	0,6 - 1
Operating voltage (V)	3 x 400	3 x 400	3 x 400
Max. power demand (kVA)	5	6,5	6,5
Safety protection	IP 54	IP 54	IP 54
Weight depending on accessories (kg) ***	1 600	1 700	1 700

* with max. height of conveyor line 500 mm ** with speed control *** depending on accessories used **** standard for max. packing height 1600 and 2000 mm, respectively; higher machine can be built by customers' request to allow larger packing height

Additional equipment	Basic	Standard	Profi
Safety fences	x	x	x
Electronic safety device	x	x	x
Electromagnetic brake	•	-	-
Power prestretch	x	•	•
Wrapping ring rotation speed control	-	•	•
Travel speed control	-	x	•
Film end sealing equipment	x	•	•
Top platen to hold-down the unstable goods	-	x	x
Top sheet equipment	-	x	x
Lifting mechanism for pallet underwrapping	x	x	x
Manipulation roll conveyor for wrapping machine	x	x	x

• standard machine equipment x optional equipment - cannot be fitted with additional equipment

Transport dimensions: Length (w/o top sheet) 2500 mm • Length (with top sheet) 2800 mm • Width 2230 mm • Height 2255 mm
Transport weight: Without top sheet 1600 kg • with top sheet 1700 kg

We are ready to modify standard technical specifications of machines to meet our customers' specific conditions and requests.
 The manufacturer reserves the right of changing machine parameters listed above.
 Guarantee period is 12 months for all machines delivered and 24 months for control systems.

Advantages of stretch film wrapping:

- Your goods are securely fastened on pallets
- Your goods are protected against mechanical damage, atmospheric effects and losses during transport
- No source of heat is required which results in power costs reduction
- Film consumption is 30 – 60 % lower compared with shrink film packing
- Enables high wrapping performance
- Facilitates your operators' work
- Improves presentation standard of your goods



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FAST

- wraps as many as 90 pallets per hour depending on height of goods and type of packing

ECONOMIC

- Highly effective film prestretch systems
- Possibility of high program-optimization of wrapping cycle

USER FRIENDLY

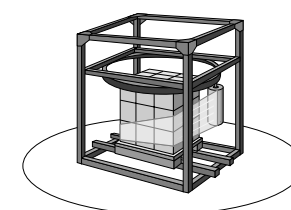
- Simple attendance
- Choice of pre-defined programs
- Teach-In programming system

RELIABLE

- All functions monitored by control system
- Equipped with components supplied by firms of repute
- Surface finish using highly wear-resistant polyurethane paints

Fully automated machine

Intended for inclusion in production and packing lines. Control system enables communication with machine environs and so permits link-up of packing process with other line facilities. Control possibility of link-up conveyors. Allows continuous link-up with various types of packing and production lines.



OBS Rotomatic
 Stretch Film Machines



Comfortable control



OBS Rotomatic is a fully automated machine intended for integration in conveyor lines. The machine is intended for plants with high packing capacities and stringent requirements imposed on packing to secure perfect fastening of goods on pallets with minimum film consumption and is suitable for packing light-weight goods where dynamic forces acting upon a rotating pallet when using a traditional method of wrapping would cause displacement or scattering of articles. High productivity of the machine is the result of a technology where the pallet does not rotate as with standard machines, but is wrapped with film rotating at high speed about the pallet. With this method the pallet is not exposed to any dynamic forces.

The initial wrapping position is arbitrary, which makes it possible to secure only the top or bottom edge of the goods or to fix them in the middle of the pallet being wrapped. High quality of all types of wrapping (simple, crosswise, dustproof and moisture-proof) is additionally improved by thermal adhesion of film end to the last layers on wrapped pallet.

Control system

OBS ROTOMATIC wrapping machine is equipped with a control system actuated from operator's panel. The control system permits definition of as many as 20 wrapping programs. Automatic cycle of the machine can be started from the control panel of the machine or, when the machine is integrated in a fully automatic line, it is started by the control system of the line in accordance with travel of the goods being wrapped along the line. The control system is provided with a fault-reporting module. Information about fault conditions of the machine can be transferred to a superior system of the line.



Ironing equipment

Film termination equipment consists of several arms that, at the end of the wrapping cycle, catch the film, cut it and iron the ends to the wrapped pallet. The arms are actuated with hydraulic cylinders. This equipment joins merely the two top layers of the film. This system makes it possible to achieve maximum strength of the packing with low film consumption.



Aligning mechanism

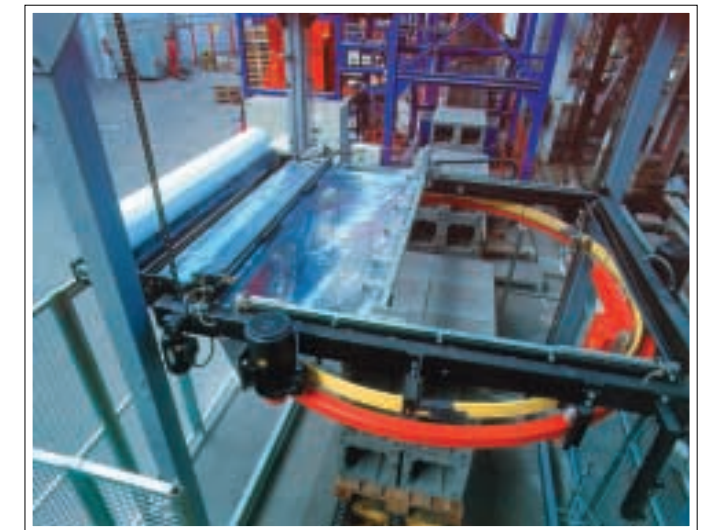
This mechanism upstream of the wrapping machine provides for automatic alignment of goods on pallet. When the pallet with goods enters the mechanism, its inlet and outlet gates close and its side-walls are pushed against each other with hydraulic cylinders. When the gates reopen and the side-walls are released, the pallet proceeds along the conveyor line to the automatic wrapping machine. This mechanism makes it possible to achieve better and more aesthetic wrapping.



Comprehensive solution

Top-sheet equipment

Top covering equipment makes it possible to cover the top surface of the pallet with protective film during the wrapping cycle in order to achieve dustproof and moisture-proof covering of the pallet. The mechanism consists of a film container and of fixed and moving jaws. The moving jaws grip the end of the covering film and pull it over the top surface of the pallet to make the edges of the film sufficiently extend over the pallet edge.



Lifting mechanism

- for pallet wrapping and underwrapping. This mechanism provides for underwrapping the pallet to improve functional properties of the wrapping between the packed goods and pallet.

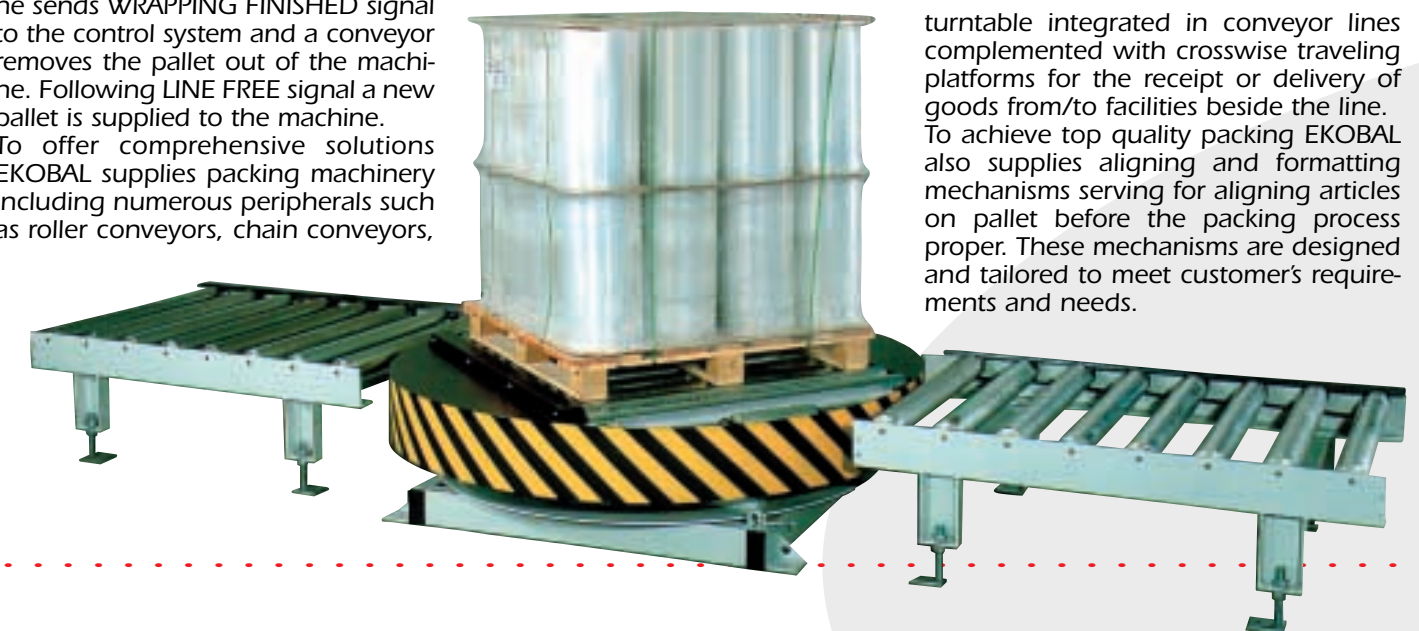
Top platen mechanism

The machine can be equipped with a mechanism holding down unstable goods, which moves over horizontal frame of the ring and secures stability of goods being packed while maintaining very high wrapping performance. The top platen is recommended to be used when packing light-weight articles involving the risk of entraining of goods by the film or when packing considerably high articles.



Integration of machines in lines

Since this machine is intended for use predominantly in automatic lines, the START command for the packing machine is issued by line control system in accordance with the travel of goods to be wrapped along the line. Automatic cycle of the machine can be also started using the START push-button on the control panel. Following the START command one wrapping cycle begins. To achieve top quality packing EKOBAL also supplies aligning and formatting mechanisms serving for aligning articles on pallet before the packing process proper. These mechanisms are designed and tailored to meet customer's requirements and needs. It is carried out according to preset program. When the wrapping cycle is finished, the machine sends WRAPPING FINISHED signal to the control system and a conveyor removes the pallet out of the machine. Following LINE FREE signal a new pallet is supplied to the machine. To offer comprehensive solutions EKOBAL supplies packing machinery including numerous peripherals such as roller conveyors, chain conveyors,



turntable integrated in conveyor lines complemented with crosswise traveling platforms for the receipt or delivery of goods from/to facilities beside the line. To achieve top quality packing EKOBAL also supplies aligning and formatting mechanisms serving for aligning articles on pallet before the packing process proper. These mechanisms are designed and tailored to meet customer's requirements and needs.