

POLYTEX. One of the most versatile tubers for films, woven fabric, and composite materials.



POLYTEX offers sophisticated packaging solutions for far more than just standard products.

Production of woven sacks or FFS film roll stock from flat film offers two distinct benefits: Lower investment and operating costs using a more efficient and simplified machine concept generating significant cost savings. In addition, considerable raw material savings are achieved by process technology advantages. Furthermore, you can reach new attractive market sectors with high value-added consumer sacks just one example. Compared with tubing, flat film is much better suited for superior print quality. Another example are highly specialized industrial sacks, which can only be produced from flat film, such as sacks made from stretch film, laminates, or woven fabrics laminated with paper or aluminum.

Using two ply tubing, the sacks can be configured for specific filling product requirements. This applies particularly to special tubing design, featuring innovative deaeration solutions via the back seam for very dusty products, underpinning your position as a technological leader.

POLYTEX is the cost effective universal tuber for the production of one ply or two ply flat or side gusseted tubing wound on a roll using film, woven fabric and laminates with an output range of up to 150 m/min. Based on its modular design, the POLYTEX can be configured for the most diverse applications and is easily adaptable to special requirements.

Technical Data	
Web width	max. 143 cm
Flat tube width	18 – 70 cm*
Gusseted tube width	20 – 55 cm*
Side gusset depth	3 – 13 cm*
Output	150 m/min

*depending on equipment configuration



Sounds paradox, but that's how it is. POLYTEX allows you to **reduce costs** while giving you the **ability to add value to your end-product.**

Circular woven fabric and tubular heavy-duty film sacks represent pretty standard packaging. Due to their limited product differentiation potential, they are subjected to intense competitive pressure. Reduction of costs as well as quality and functional improvements are, therefore, a must. One possibility to reach this objective is the production of flat films, woven fabric or laminates that are converted down-stream into tubing.

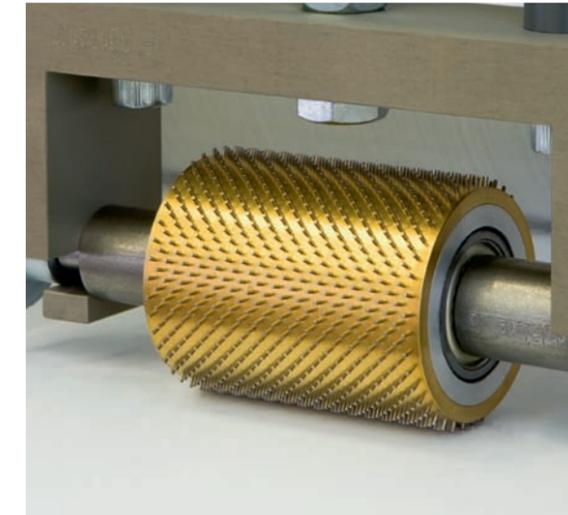
Should you decide on producing multiple-up flat film on large blown film lines, you will profit reducing capital expenditure and operating costs. Furthermore, the higher blow-up ratios immediately translate into raw material savings due to the improvement of specific mechanical film properties, permitting gauge reduction. Further gauge reduction is achieved by prevention of damage to the folded edge.

When producing woven fabric sacks from flat material the woven fabric needs only be coated and printed on one side. For this reason the laminator and the printer configuration can be simplified reducing the required set-up work, lowering capital expenditure and operating costs. Finally, flat material requires only half as many roll changes compared with tubing. This applies to both the extrusion line and the loom.

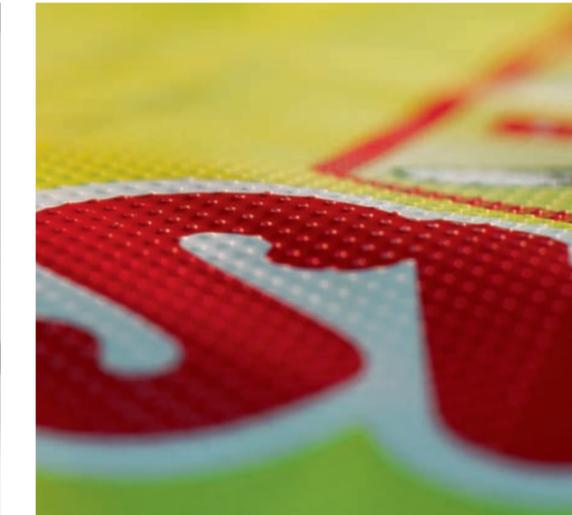
High quality process printing, lacquer coating or reverse printing can only be executed using flat material, calling for off line processing in most cases. The POLYTEX converts these webs into superior tubing.

Bottomers and FFS bagging lines operate more efficiently because the narrower tube width tolerances improve runability. Blocking problems, when processing woven fabrics, are removed because coating strike-through is no longer a problem.

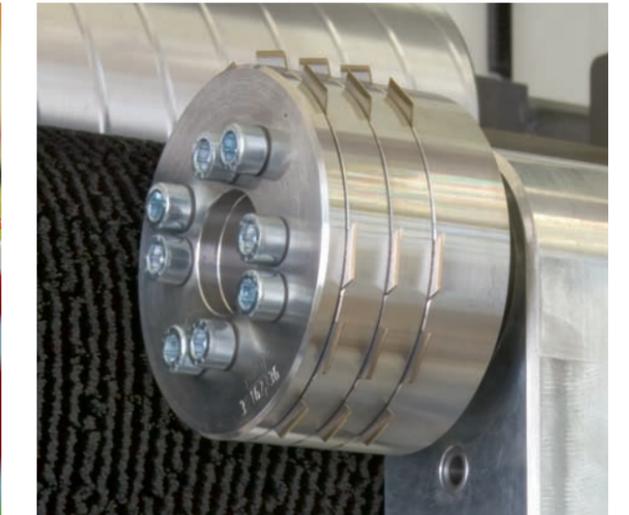
Provides optimum vented sacks and perfect stacks: Microperforation- and embossing stations. Shown: Embossing roller



Prevents slipping: Film embossing



Lets air escape but prevents water from seeping in: Slitter unit to produce special deaeration features in the back seam



Versatile and field proven, plus add-on capability and a long useful life. With POLYTEX you are ready to face new challenge.

The versatile POLYTEX, with its wide size range and its capability to process various substrates, offers a high degree of flexibility. No matter if you are processing flat or side gusseted tubing, the FILMATIC S winder consistently produces tightly wound, straight edge rolls. Only a few minutes are required to change from one tube forming mode to another. A completely inter-changeable tube forming section makes this possible.

No matter what material is being processed, you will always end up with a superior longitudinal seam. The universal screw of the seam extruder processes PE and PP seam polymers perfectly.

The rpm control unit provides consistent seam polymer application quantities at all web speeds with an automatic edge guide providing precise longitudinal seam placement. By installing either two or three melt nozzles, up-to-date sack venting concepts with parallel longitudinal seams can easily be achieved.

To ensure productivity and tube quality, the FILMATIC S winder is fitted with a web guider, web tension control unit and web break detector. Attractive, up to 4 color print jobs are produced on the FLEXA end printer equipped with a Corona treater station and warm air dryer section.

Pre-printed rolls can also be processed. For the production of 2 ply sacks a register control unit ensures accurate cross pasting application. Micro-perforation stations for inner and outer ply venting prepare the tubing to be used for the bagging of aerated products. Based on the separate configuration of these systems the deaeration rates can be individually adjusted for the tube plies. For 2-ply tubing offset needle patterns creating a labyrinth effect, let the air escape but not the filling product. Embossing rollers designed for the outer ply improve stackability of the filled sacks.



Saves change-over time: Exchangeable, live edge side gusset tube forming section

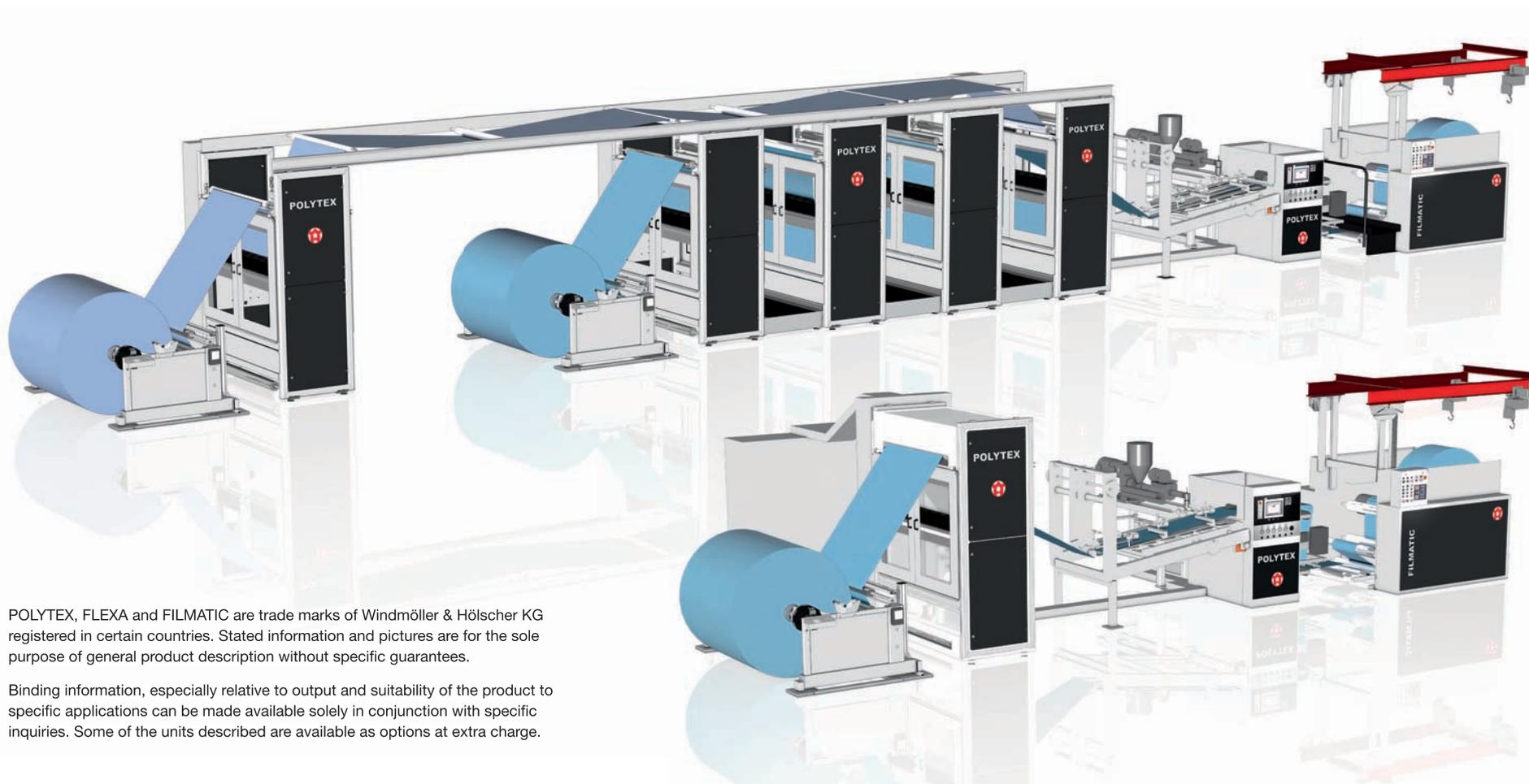


Secure fixing of the inner ply: Hotmelt cross pasting



Suitable for all substrates: Seam extruder with individually adjustable heating and cooling zones

Sooner or later: **POLYTEX** will convince you all along the line. The machine at a glance.



POLYTEX, FLEXA and FILMATIC are trade marks of Windmüller & Hölscher KG registered in certain countries. Stated information and pictures are for the sole purpose of general product description without specific guarantees.

Binding information, especially relative to output and suitability of the product to specific applications can be made available solely in conjunction with specific inquiries. Some of the units described are available as options at extra charge.

Windmüller & Hölscher KG

Münsterstraße 50 · 49525 Lengerich · Germany · Tel.: +49 5481 14-0
info@wuh-group.com · www.wuh-group.com



WINDMÜLLER & HÖLSCHER
PASSION FOR INNOVATION