

POLYREX SF / POLYREX BV

High-output film welding machine for polyethylene carrier bags





At our company, innovation, variety and many years of experience come into play. **Maximum productivity** and an **optimum level of availability** are crucial for economic success.

With high-performance machines that have been consistently developed according to market and customer demands, Garant offers you system solutions that meet the highest of requirements. With innovative technology, diverse equipment, safe operation and an optimum level of reliability, they set standards in the manufacture and processing of flexible packaging across the industry.

POLYREX SF and **POLYREX BV** are film sealing machines for producing the highest quality polyethylene carrier bags.

They guarantee high production speeds, quick batch changeovers and therefore a minimum level of downtime. High-performance integrated computer systems ensure the precise management, storage and visualisation of production and batch order data.

Thanks to the wide range of formats, you can react quickly and precisely to your customers' latest demands. With a new variety of optional equipment, the application possibilities of both machines can be additionally enhanced.

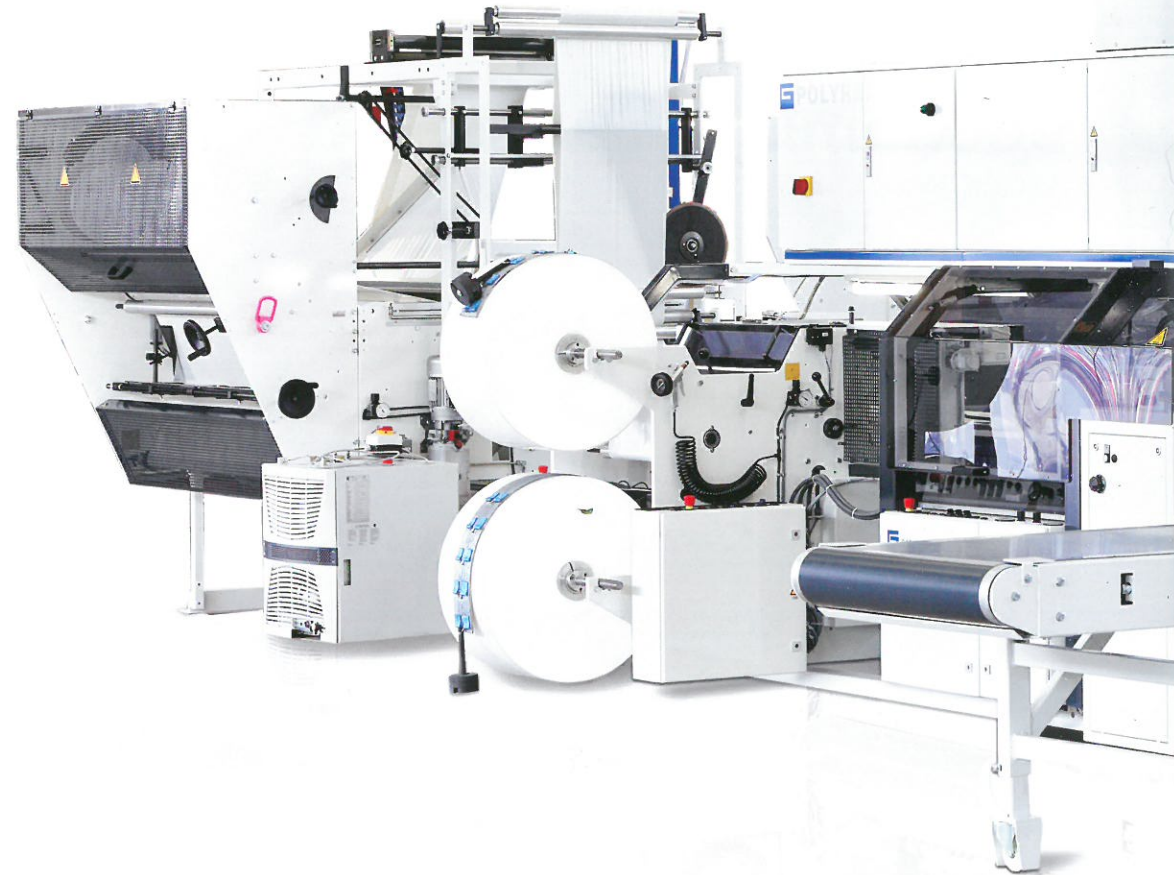
POLYREX SF

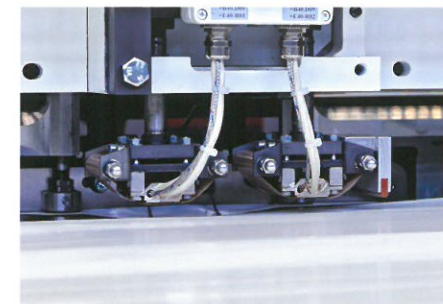
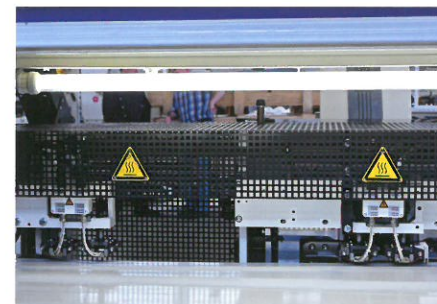
For the production of loop handle bags

The POLYREX SF offers a production capacity of 190 bags/min and an extremely wide format range. By means of the comfortable, computer-supported servo control, the motor-operated processing stations move into position upon demand. That saves time and increases safety when changing batches.

Using the basic version of the POLYREX SF, loop handle bags can be manufactured with loop handles at variable lengths or, as an option, carrier bags with sealed corners (block bottom) can be produced. Additionally, that expands the field of the machine's range of application. Furthermore, optionally, welding devices can be used for separation seams or shrink seams.

Through the integration of a high-performance hole punching unit with a servo drive for making the holes, the POLYREX SF can be equipped for the production of punched handle bags with top foldover. The production speed increases in the process to a maximum of 230 bags/min.





Product dimensions

Carrier bag height	250–630 mm
Carrier bag width (repeat length)	250–750 mm
Top foldover	60–70 mm
Bottom gusset	30–120 mm

Output

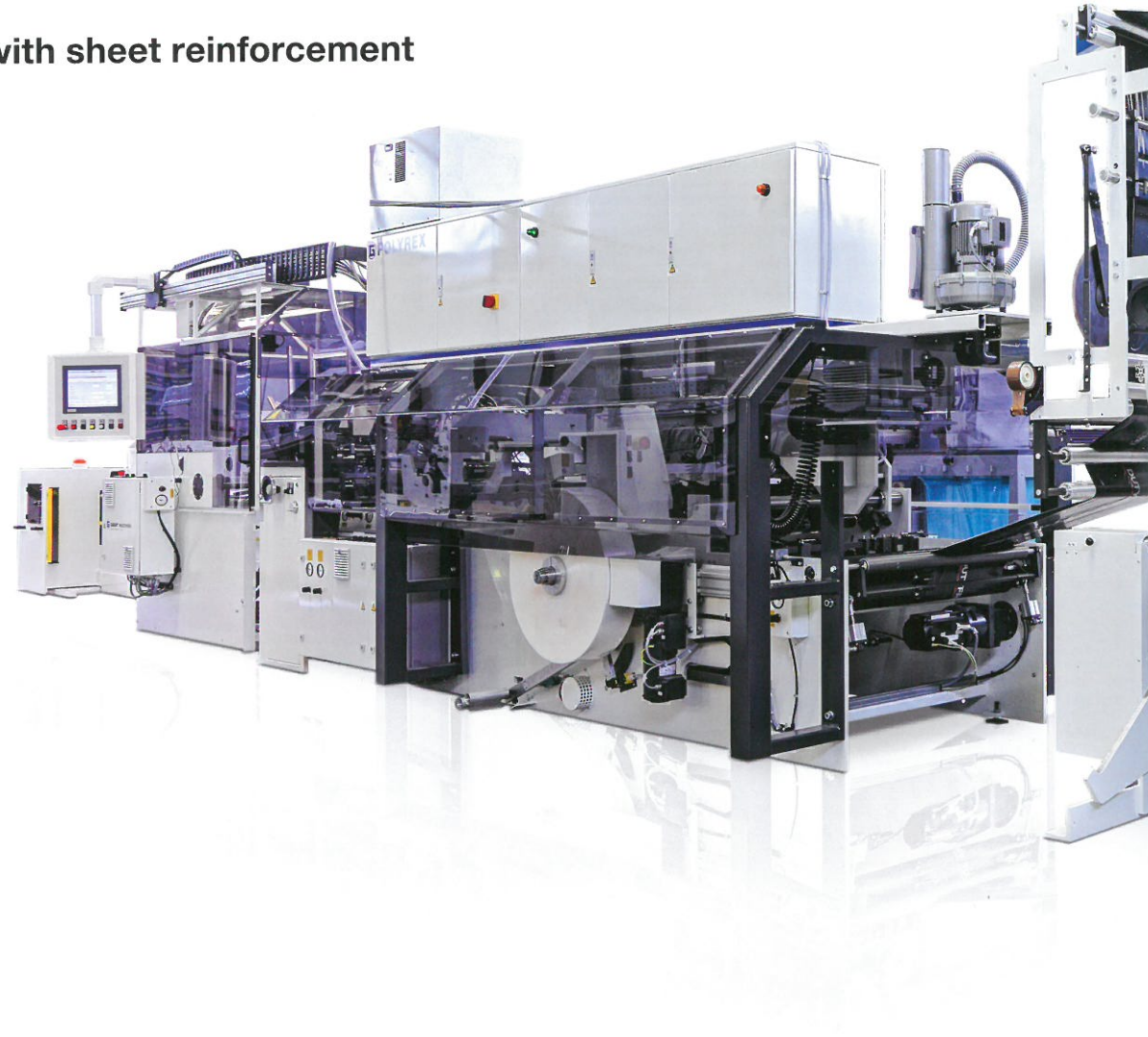
Loop handle bags	max. 190/min
Punched handle bags	max. 230/min

POLYREX BV

For the production of cut-out handle bags with sheet reinforcement

The POLYREX BV has been especially designed for the production of punched handle bags and, by means of its extraordinarily wide range of formats, it offers a great deal of room for play when processing batches. In this way, for both small production runs with frequent batch changes, as well as for large production runs with a higher level of continuous output, maximum production speeds of up to 300 bags/min and an optimal level of efficiency is guaranteed.

The motorised adjustable processing stations and a quick-change device for the stationary tools of the POLYREX BV make it possible to change formats quickly and safely. By visualising the production parameters and a large job storage and retrieval system, operation is made easier and offers the possibility of pre-positioning the cut-out puncher, pre-heating station and material support using stored product data.





Product dimensions

Carrier bag height	220–700 mm
Carrier bag width (repeat length)	180–760 mm
Bottom gusset	30–120 mm

Output

Cycle rate	max. 300/min
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