

TAPE EXTRUSION LINE starEX 1600

outstanding tape extrusion technology, highly productive, resource-saving state-of-the-art design, versatile use, high economic efficiency, high content of rPP and CaCO_3



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The **starEX 1600** is specially designed to extrude PP or HDPE/LLDPE tapes for high-performance applications at **premium quality** and **lowest cost**. The tapes are mainly used for producing woven bags, FIBC fabrics and in various other technical applications, in combination with a Starlinger piston filter system fabrics with high content of rPP or CaCO₃ can be produced.



State-of-the-art extrusion unit with resource filter systems and high performance flat die. Energy-saving drive and machine design.



eqoCLEAN – approved Starlinger filter system (Starlinger piston filter combined with HS filter) allows the processing of high content of rPP or CaCO₃.



The optimized film take-off with nip roller and water suction for low and high denier tapes allows production speeds of up to 550 meters per minute.



eqoSTRETCH – new high efficiency stretching and annealing system for energy-saving production and uniform tape characteristics.



smartTRONIC – touch screen control unit of the line. Easy-to-handle industry computer with data storage, alarm report, fault indication, service intervals, and many other features.



starEX 1600

	S	ES	eqo		S	ES	eqo
Gravimetric dosing/mixing unit	●	●	●	Edge trim recycling	●	●	●
E-120AC/30D	●			Screw feeder	○	○	●
E-120AC/33D	○	●	●	Water quench tank with heat exchanger	●	●	●
E-150 1K	○	○	○	Film take-off with two drives and vibration drying unit	●	●	●
Melt pump	○	○	●	Advanced drying system	○	●	●
Automatic filter	●	●		Tape slitting unit	●	●	●
Starlinger eqoCLEAN filter system	○	○	●	Automatic knife bar changer	○	○	○
HS-filter	○	○	●	Integrated holding unit	●	●	●
Standard die width 1710 mm	●	○	○	Hot air oven, length 5.8 m	●	●	○
Standard die width 1800 mm	○	●	●	HP-hot air oven, length 5.8 m	○	○	●
Automatic die incl. control unit	○	○	○	Starlinger eqoSTRETCH system	○	○	○
Non-nuclear thickness measurement	○	○	○	Extension module for stretching section	○	○	
Special HDPE equipment	○	○	○	Precision fibrillator	○	○	

● standard ○ option

A non-nuclear x-ray

system measures the thickness of the moving material, using an approval-free x-ray transmission procedure with an acceleration voltage of max. 5 keV. In combination with Starlinger automatic die the most accurate system on the market.

Advantages

- Production speed up to 550 m/min*
- Melting capacity up to 1000 kg/h**
- Processing of HDPE and LLDPE***
- High-quality lightweight tapes
- High tenacity tapes

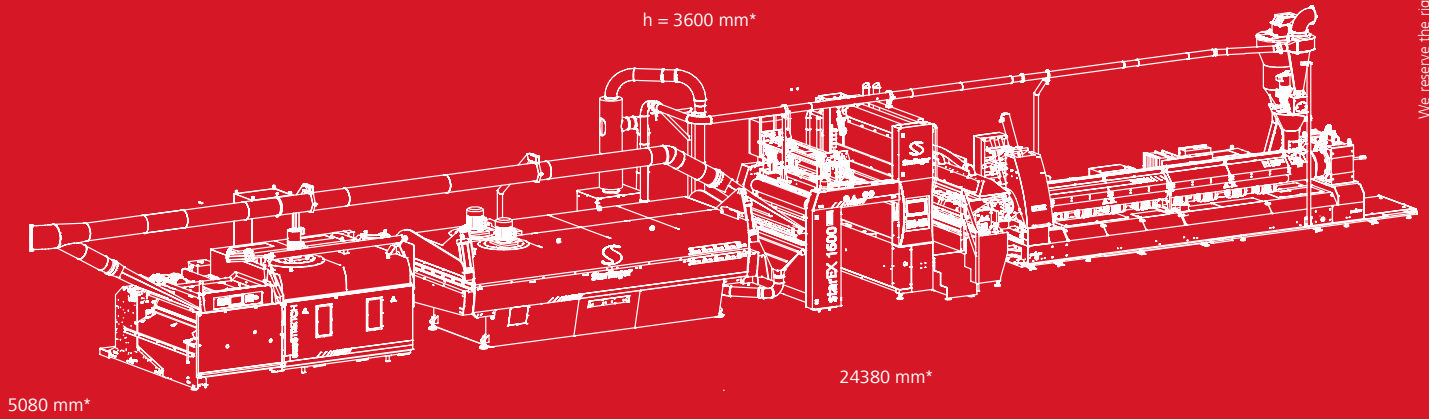
* Depending on quality of raw material and additives, MFR > 4

** Depending on raw material and use of melt pump

*** Special execution required

- Energy recuperation system
- Change from standard to automatic die possible without replacement of die
- Customized machine versions
- Modular design
- Energy-saving eqoSTRETCH stretching unit
- Optimized energy consumption





* Depending on machine configuration

Technical Data	starEX 1600 S	starEX 1600 ES	starEX 1600 eqo
Die width	1710 mm	1800 mm	1800 mm
Extruder	E-120AC/30D	E-120AC/33D	E-120AC/33D
Filter system	Auto screen	Auto screen	Piston filter
Godet heating	Oil	Oil	Hot air
Melting capacity (max.)	600 kg/h	720 kg/h	720 kg/h
Operating speed (max.)	420 m/min	550 m/min	550 m/min
Drive system	AC drive	AC drive	AC drive

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