

TURBOSTART

The automation module that automatically stops and starts your VAREX™ line with the touch of a button



The new automation modules TURBOSTOP and TURBOSTART support the operator in shutting down and starting up the line in a simple seven-step approach. The intelligent interaction between software and dedicated hardware components ensure an automatic process from shutting down all machine components, securing the film in the line and starting up all components again, until the line is running again.

- Fastest possible shutdown and start-up process for a more efficient production
- Minimal operator involvement for ensuring process stability and high end product quality
- Enhanced operator safety through less knife usage during start-up process

Compared to a manual shutdown and start-up, more than 50 % time is saved. TURBOSTART guides the operator through a simple process – all manageable on one screen. The intelligent software reduces the more than 500 manual parameter changes to a seven-step process.

Your advantages

- ✓ Automatic line shutdown and start-up with easy guided human machine interface
- ✓ Fast and easily operable by one operator to ensure high machine efficiency
- ✓ Reducing hazards and ensuring operator safety by machine-aided removal of airpockets and automatic film separation



VAREX[™]

The benchmark in blown film extrusion



Short start-up and changeover times reduce the use of raw materials and significantly decrease the amount of waste – while maintaining convincing film quality.

The VAREX[™] offers unequalled modularity. Tailor-made solutions result in best-in-class flexibility. The LT and HPS screws not only process conventional polyolefins – but also recycled materials and even bio-based plastics.

- Innovative die head and extruder design for perfect melt distributions
- The designable mandrels of the MAXICONE die head concept are a perfect fit for your application
- Our extra long and driven collapsing unit is necessary for an optimal flatness of the film
- Our G3-module (Gravimetric Throughput Control unit) guarantees constant weight per m² of film thanks to automated processing
- ARCTIS cooling ring in combination with W&H internal bubble cooling for high output and perfect film tolerances
- Our PROCONTROL TS is the highly intuitive single point of operation system that integrates all the line operations and enables smart machine learning

Your advantages

- ✓ A universal blown film line with the highest line output
- ✓ Most precise film tolerances and product quality
- ✓ Highest level of process stability and flexibility with the most demanding applications
- ✓ Highest level of machine intelligence and well integrated processes

Technical Data

Line widths	1300 – 3600 mm
Number of film layers	1, 3, 5, 7, 9, 11
Extruder screw diameters	50, 60, 70, 90, 105, 120, 135 mm
Die diameters	160 – 900 mm
Raw Materials	Biomaterials, recycling materials, ...
Winders	FILMATIC [™] S (surface/center/gap winder) FILMATIC [™] T (turret winder) FILMATIC [™] N (surface/center/gap winder)
Special equipment	Side gussets, Water bath, Annealing units, MDO, ...



Learn more about VAREX[™]:
www.wh.group/K2019

Find more information about **TURBOSTART**
on VAREX[™] on the back of the page.

