



# TURBOSTART

Automatically stops and starts your Line with the Touch of a Button



## Why TURBOSTART?

The automation module TURBOSTART supports 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 ensures 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



Learn more about **TURBOSTART**:  
[www.wh.group/na/en/our\\_products/extrusion/automation\\_assistance/turbostart.html](http://www.wh.group/na/en/our_products/extrusion/automation_assistance/turbostart.html)

Find more information about **EASY2 Change** on the back of the page.



# EASY2 Change

Autopilot to Success



## Why EASY2 Change?

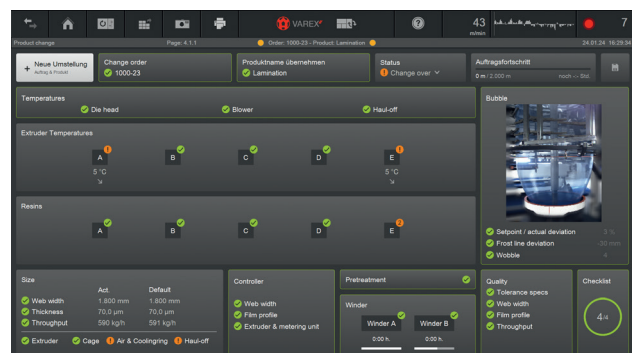
The new EASY2 Change assistant supports the machine operator during every necessary step of a product change-over. Thanks to an intuitive HMI, the operator maintains full transparency and control throughout the change-over. Innovative technology detects the bubble stability, ensuring reproducible high film quality.

- Overview and direct guide to pending tasks
- Integration of fully automated air ring **ARCTIS**™
- Integration of proven automation features that cover required adjustments e.g. regarding format change, winder settings, extruder temperatures, material change etc.

Compared to an experienced operator, the number of necessary clicks for a product change is reduced by more than 70 % and the time needed is cut by over half – and all that with a certainty that all parameters are set correctly to ensure good production.

## Your advantages

- ✓ Operator guidance for error prevention
- ✓ Integrated bubble shape and frostline check
- ✓ Automatic setting of all components, including air ring



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[www.wh.group/int/en/our\\_products/extrusion/automation\\_assistance/easy2\\_change.html](http://www.wh.group/int/en/our_products/extrusion/automation_assistance/easy2_change.html)

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