



BREYER

extrusion lines

BREYER SERVICES
UPGRADES

NEWS

Savings up to 25%!

BREYER Energy Management and Noise Reduction The intelligent way to save costs and energy.

*Intelligent energy management for tube extrusion lines – energy savings of up to 25%.
BREYER now offers different energy saving modules for tube extrusion lines such as:*

Energy Saving Module 1

Use of torque motors (direct drives)

Advantages

- Low noise level
- Energy-efficient due to high effectiveness, therefore less power consumption
- Maintenance-free (no gear box)
- Effective heat discharge through cooling water



Energy Saving Module 2

Thermal insulation of the extruders (barrel) and of the tube die

Advantages

- Shorter reheating time
- Low convection, less heat emission
- Improved contact protection for operators
- Retrofittable

Exhaust air flaps

- Demand-driven at the blower hoppers, therefore lower convection losses





Energy Saving Module 3

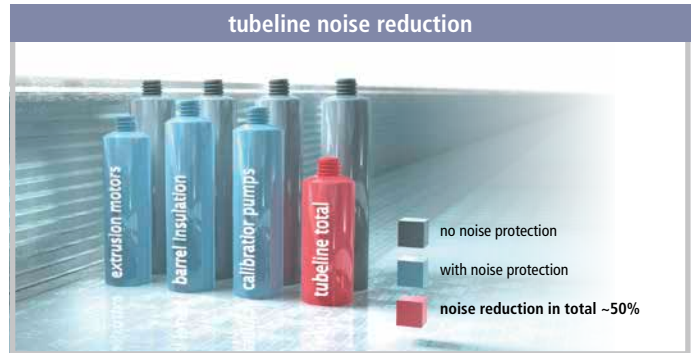
Noise reduction of the complete line of up to 50%!

By using the different modules BREYER achieves a noise reduction for the complete tube line by 11 dB (A) on average.

This corresponds to a reduction of approx. 50% of the complete noise level compared to a tube line without noise protection.

This reduction is achieved due to the use of:

- torque motors (direct drives, water cooled > see also module 1
- encapsulation on the calibrator and on extruder > see also module 2
- special vacuum pumps



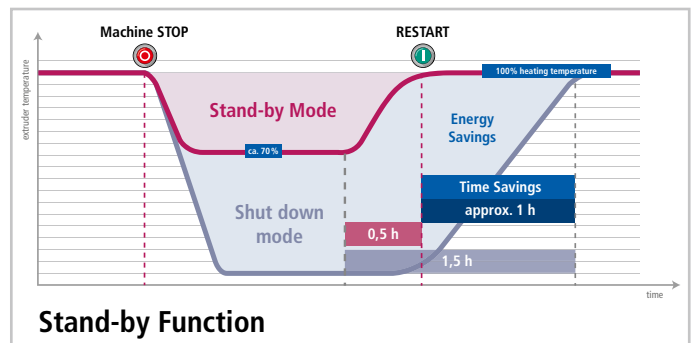
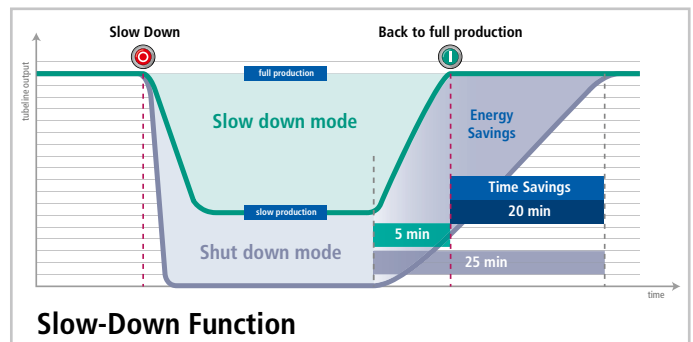
Energy Saving Module 4

Slow down function and Standby function

- **Slow down:** minimisation of output capacity (in case of production problems on downstream)
- **Slow down:** automatic or manual restart of the line from low to high production level
- **Slow down:** production level in slow down mode variably adjustable
- **Standby:** reduction of heating temperature variably adjustable, therefore short restart time
- **Slow down / Standby:** easy to operate by pushing the button on the display

Advantages

- Reduction of overproduction and energy-saving in case of disfunction on downstream lines (header, printer, etc.)
- Coordinated release of the heat and drive capacities, enabling reduction of the installed power capacity as well as current peaks



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