



World Class Automation & Blending Solutions for the Plastics Industry

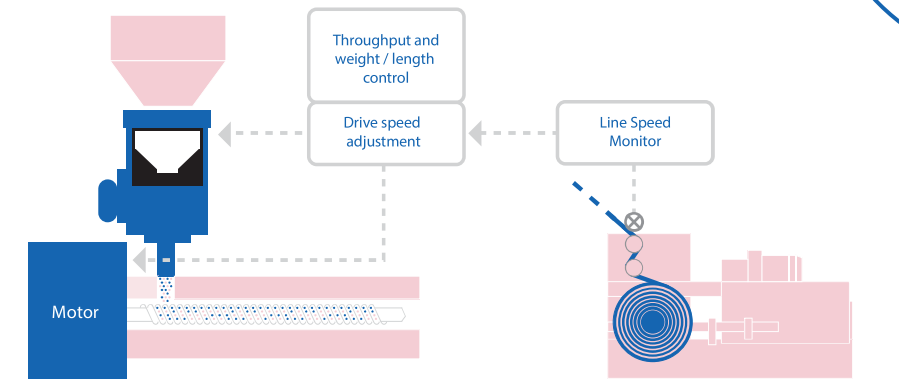
TSM Extrusion Control

Maximizing Savings By Reducing Setpoints To A Minimum !

TSM Gravimetric Blenders continuously monitor material throughput (kg/hr) and will optimize yield (weight per length control) on extrusion lines. As part of a job recipe entry, the extrusion / haul-off control setpoints are entered via the remote operator panel. The TSM system monitors the line speed and extruder output to guarantee precise on-specification and consistent output quality, therefore reducing waste considerably while operating at optimum yields. The system also provides roll, order and shift summaries by component, allowing precise calculation of material costs and net profit margin analysis per order.

Features

- Mounted directly on extruder throat
- Tighter tolerances allowing down-gauging
- Higher yields of 2 - 3% from your production line
- Run at minimum thickness & improve consistency
- Suitable for batch or continuous gravimetric systems



TSM Blender on an Extrusion Line

TSM Control Options

- Kg/hr Control
- Weight per Length Control (g/m)
- Weight per unit Area Control (g/m²)
- Average Thickness Control (Micron)
- Haul-Off Control

Material Down-Gauging

Normally extruder throughput is reduced gradually due to blocking at the screen filter. TSM blenders detect when the product weight per length (yield) or throughput varies from the target setpoint and automatically adjusts the extruder screw speed to bring the throughput back on target.

Furthermore the system allows the process to run at the lower tolerance values for the product while all the time monitoring the output and individual material dosing consistencies. This will result in real savings in your production costs.

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