

Lineal weight control system ScenEx B for mono extrusion lines

Solutions for blown film lines

Combining advanced technology with market demands, the system ScenEx B offers a highly precise and reliable extrusion control at low investment costs.

Gains are immediate in terms of raw material savings and reduced waste thereby assuring a fast return on investment.

Advantages of ScenEx B:

- Weighing bin protected by external hopper thus preventing any false measurements
- Memory for 99 formulas (option)
- Control options for
 - set lineal weight
 - or
 - set average thickness
- Remote fault diagnostics (option)
- Hoppers of stainless steel ensure
 - considerably longer life
 - no corrosion
 - no contamination by abrasion of raw materials
- Easy to extend with other modules
- Little maintenance

Illuminated LCD display:

- Target/act. lineal weight g/m
- Target/act. thickness μm
- Target/act. throughput kg/h
- Web speed m/min
- Density g/cm³
- Alarms
- No. of formula (option)
- Target/act. width (option)

Function description

The patented throughput measurement unit WLS is mounted directly on the extruder material inlet ensuring accurate measurement of resin consumption. The required production parameters are entered into the process computer VisEx A which will then control web speed and/or extruder throughput.

Experience shows that the lineal weight control system reduces weight per metre deviations from set point to a minimum.

The practical design of ScenEx B allows easy integration in the extrusion process.



ScenEx B with process computer ScenEx WLS

Quality

- Ensures consistency in quality
- Film is never **too thin**, therefore no customer complaints.
- No necessity for higher tolerances

Advantages

- Significant savings in resin consumption - up to 3 %
- Reduced waste during start-up and job changes
- Film is never **too thick**, therefore savings in raw material.

Automation

- Shorter start-up and change over periods
- Simplified extrusion process
- Compensation of resin flow fluctuations
- More efficient use of production capacity

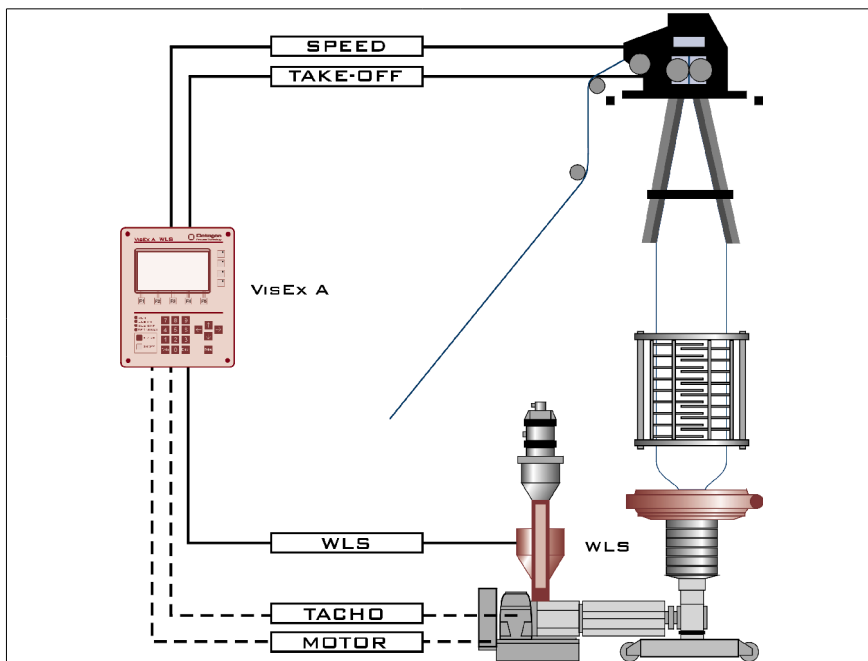
Octagon Control Systems: Quality control, optimised products, raw material savings

Standard extent of delivery:

- WLS-throughput measuring unit
- Process control VisEx A
- Web speed probe
- Motorised potentiometer haul-off

Extension:

- Width measurement and control
- Mounting frame for supply hopper
- Tacho U/F converter extruder
- Motorised potentiometer extruder



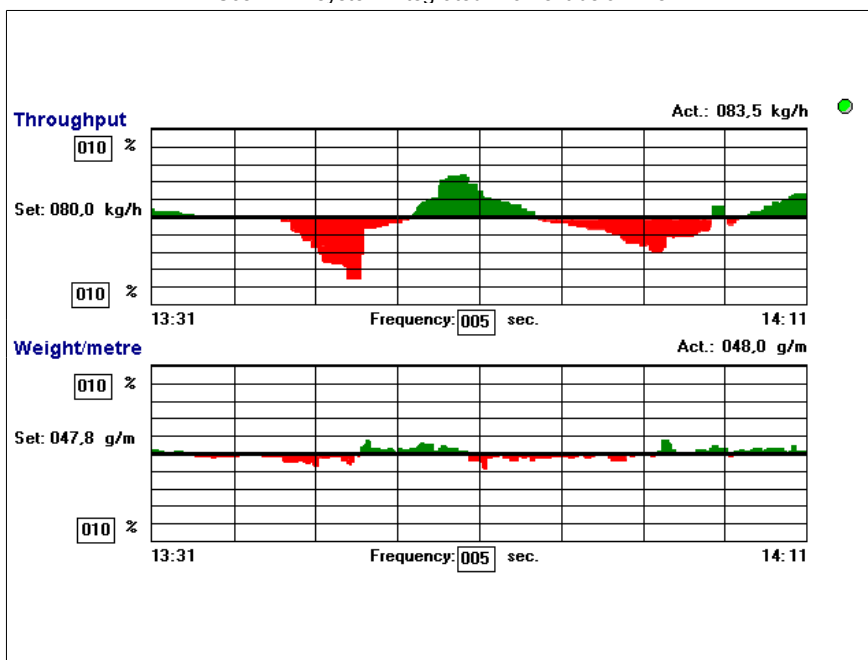
ScenEx B system integrated in an extrusion line

Compensates for fluctuations in material throughput

The adjoining diagram illustrates parallel trend charts of throughput and weight per metre. In contrast to considerable fluctuations being evident in the uncontrolled throughput (top), the lineal weight (bottom) is held steady with the ScenEx B system.

Maintains tolerance at lower level

Experience shows that deviations in weight per metre and average gauge are reduced to a minimum by ScenEx B lineal weight control system.



Trend charts for throughput and lineal weight available with visualisation system

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