

Solutions Through Partnership

OPTIYIELD

Extrusion Control
Loss-in-Weight Hopper

TSM



Benefits

- No Material Separation or De-mixing
- Precise control to Target Setpoint
- Starve-fed or Flood-fed Applications
- Gravity Fed Main Component allows Recipe Changes "On-the-Fly" with minimal waste
- Easily Removable, Easy Clean Weigh Hopper

User Interface

- Intuitive Operator Functionality
- Comprehensive Report and Alarm Management
- Built-in Accuracy Trending & Data History Management
- Industry Standard Communication Protocols

Options

- Liquid Additive Control
- Extruder lb/hr Control
- Special Features: Stability, easy operation.
- Weight per Length Control
- Average Thickness Control

TSM's OPTIYIELD range of Loss-in-Weight systems offer precise measurement, total reliability and advanced extrusion control options to ensure consistent end product quality with reduced material usage. OPTIYIELD system provides continuous throughput measurement and automatic throughput control. Haul off speed measurement can be added to ensure that the Weight per Length is controlled to the desired specification (yield control). This ensures that the product being produced is maintained at the desired average thickness or unit weight without operator intervention. This mode can be extended to weight per area control through entry or automatic measurement of material width.

The TSM OPTIYIELD provides an extremely reliable, robust and precise solution for gravimetric extrusion control. The material is gravity fed directly to the extruder throat and can operate in starve or flood fed applications.

OPTIYIELD

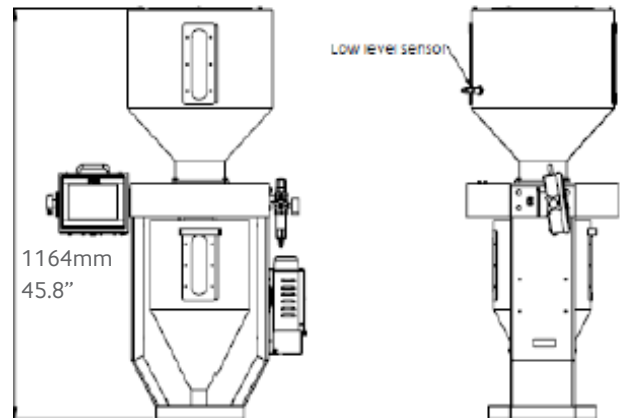
Extrusion Control Loss-in-Weight Hopper

OPTI-YIELD RANGE	THROUGHPUT
OPTI-YIELD LIW50	50 Kg/hr - 110 lb/hr
OPTI-YIELD LIW100	100 Kg/hr - 220 lb/hr
OPTI-YIELD LIW200	200 Kg/hr - 440 lb/hr
OPTI-YIELD LIW400	400 Kg/hr - 880 lb/hr
OPTI-YIELD LIW650	650 Kg/hr - 1433 lb/hr
OPTI-YIELD LIW1000	1000 Kg/hr - 2200 lb/hr

Function Description

System Weight	80kg / 176lb
Max Ambient Operating Temp	50°C / 122°F
Max Material Temp	70°C / 158°F
Max Optional Material Temp	130°C / 266°F

OPTI-YIELD 400



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