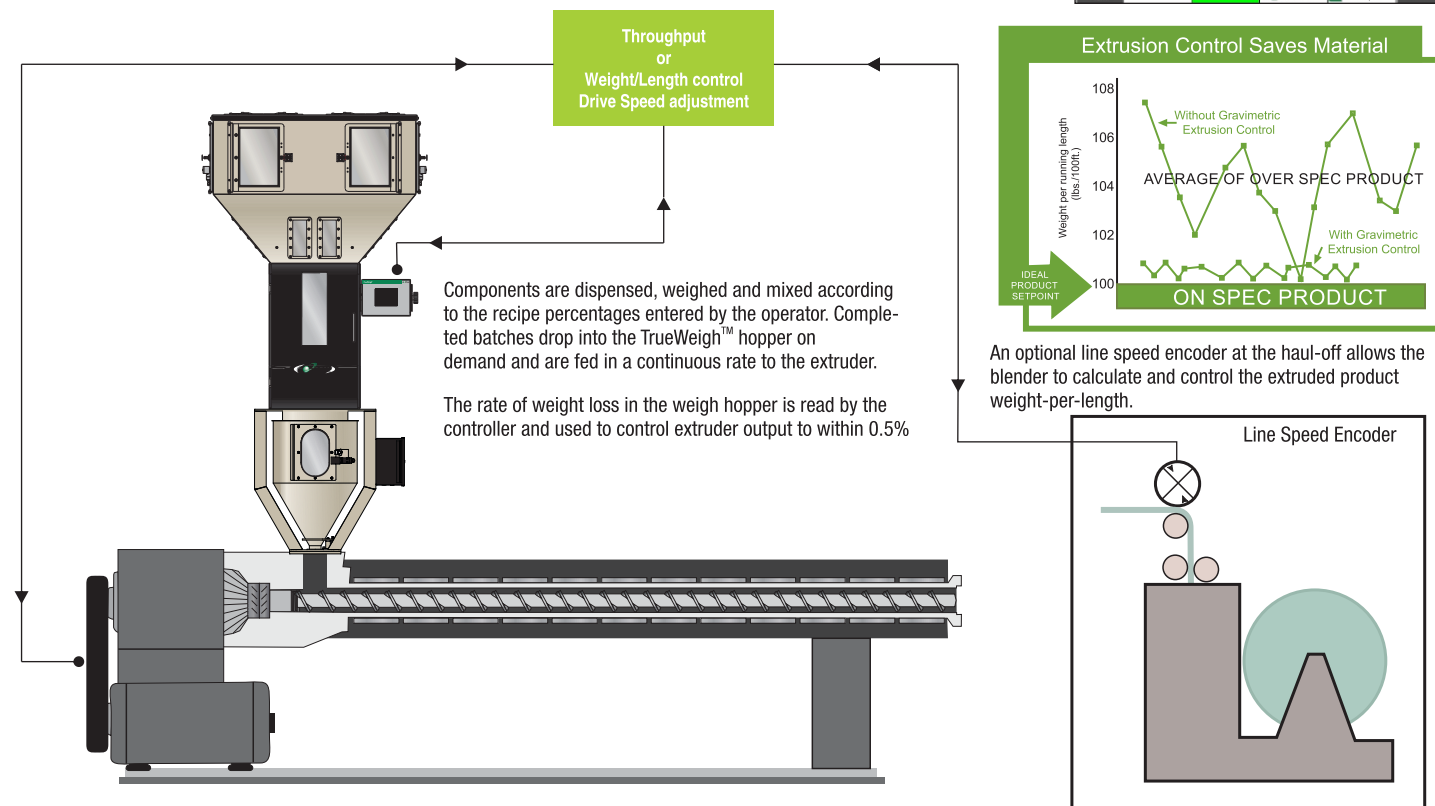
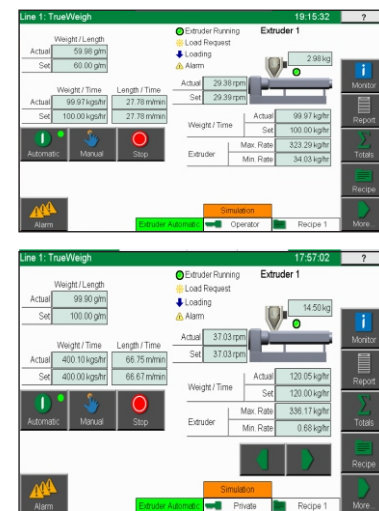


- Monitor or control extruder throughput.
- Monitor or control haul-off.
- Monitor and control line haul-off and extruder throughput to provide yield control.

TrueBlend EXT™ can control mono-extrusion line consisting of a homogenous blend of up to twelve ingredients.

TRUEBLEND EXT

- Batch blending multiple materials
- Monitor or control extruder rate
- Precision dosing of critical additives
- Batch to batch data collection for QA diagnostics
- Resin and recipe material totals tracking
- Easy access for maintenance and cleaning



Unique Features

All major electrical components are UL and CE approved. Material bins are provided standard with finger guards or optionally with bin access door interlocks. The mixing chamber access door is interlocked with the power supply to the blender motor and compressed air solenoids.

Rugged, closed chassis assures all weighed pellets move from the weigh pan to the mixer to the machine. No pellets escape the chassis, improving operator safety and ensuring blend integrity.

Material levels, ingredient type, and position are quickly identified and confirmed.

Internal 2-way pneumatic valves are away from external operator access and are separated from the pellet flow by protective shrouds.

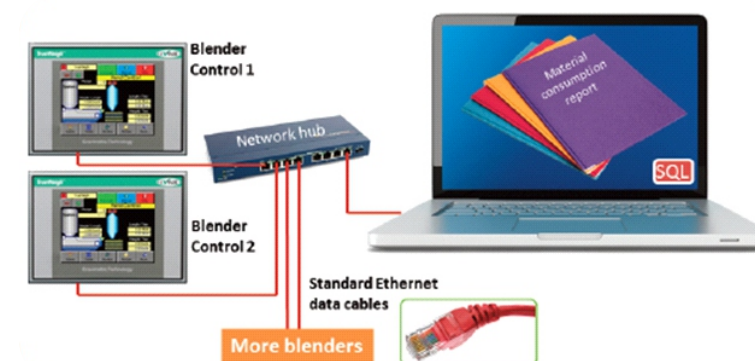
ROI V/s. Kg/hr

Scenario	Total Line Throughput - Kg/Hr	Savings Per Month (L)	ROI (Approx.)
1	200	1.59 L	160,000
2	300	2.38 L	240,000
3	400	3.18 L	320,000
4	500	3.98 L	400,000

Legend: ■ Total Line Throughput - Kg/Hr ■ Savings Per Month

TB REPORTING SOFTWARE

- Shift Inventory Report (each ingredient consumed by shift)
- Total Inventory Report (each ingredient consumed)
- Recipe Report (total amount of material usage for ingredients consumed by recipe)
- Resin Report (total amount of material usage for each resin name)
- Job/Order Report (total amount of material usage by order name)
- Product Line Report (total amount of material usage by named product line)
- Alarm Log Report (list of historical alarms)
- Batch Log Report (log of every batch made, batch blenders only)



Feed forward algorithm provides highest level of accuracy to meet target set % in recipe. Bin sequencing is automatically adjusted to achieve highest precision on lowest set ingredient of 0.5% in recipe.

VNC Viewing from PC over LAN Communication is available as standard feature. Remote communication protocols like Modbus TCP / IP and OPC U/A Server are available as standard feature for communication with SCADA or Master HMI / PLC.

Clean-out for materials and color changes is fast and easy. No hang-up or hiding places in material bins. Weighing and mixing components remove in seconds.

Aggressive paddle mixer assures homogeneous blending. Relief notches in the mixer blades prevent trapping of pellets. All models are supplied with electric mixing motors for complete 360 degree mixing rotation.

60° cone angle assures mass flow to prevent separation in the weigh hopper.

High accuracy precision cantilever load cell allows extruder output control to $\pm 0.5\%$.

Batch Diagnostics

Report Time: 4/11/2025 5:45:59 PM

Filter	From: 4/11/2025 4:42 PM	To: 4/11/2025 5:42:54 PM	
Shift			
Product Line	Recipes: Batch_Test		
Order #			

Preheating: 4/11/2025 5:38:59 PM
Product Line: CUP_5LEND
Recipe Name: CUP_5LEND
Recipe # 2

Order #		Batch # 4448		Batch Time: 441.3556		Recipe Name: CUP_Vault31	
Core #	Material Code	Material Name	Material Type	Pass Count	Pass Rate	Aut Fail	Aut Height up
1	45004	MB	NAT	3	100.000000	48	28.8817
2	45004	MB	NAT	3	100.000000	48	19.7672
3	45004	MB	NAT	2	100.000000	48	28.7702
4	45004	LOPE	NAT	3	100.000000	18	56.5603
5	45004	YELLOW_MB	NAT	1	100.000000	48	28.7628

Used to track and document material usage, alarms, batch and shift reports and recipes. Constant data logging to customers PC, and can be opened in Excel format.



By combining a plant-installed Remote Access Kit with remote PC or mobile access, the system can be monitored and controlled from anywhere. This facilitates real-time supervision and streamlined operations.

- TrueBlend high heat models
- Remote blender mounting
- Regrind flow enhancers
- Major component flow restrictor
- Minor component flow restrictor
- Dry air blanket

Material Storage | Conveying | Drying | Blending | Heat Transfer | Size Reduction



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