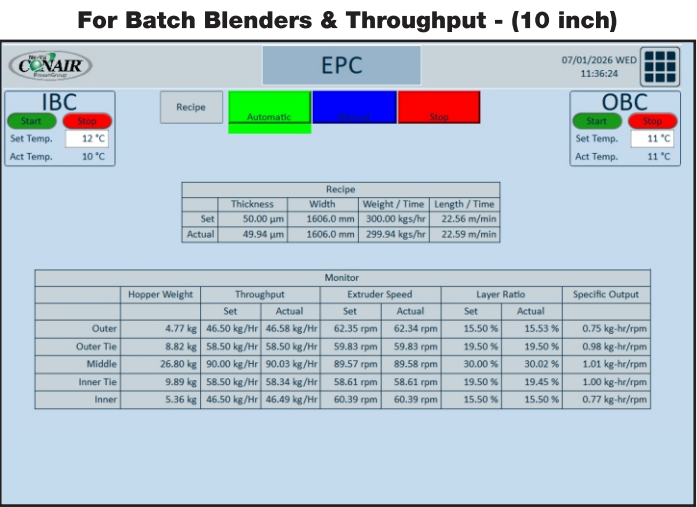
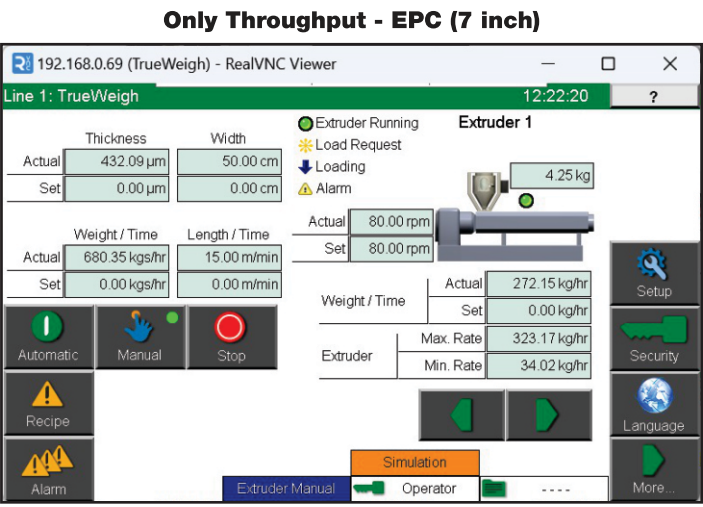


Gravimetric Extrusion Process Control - Films



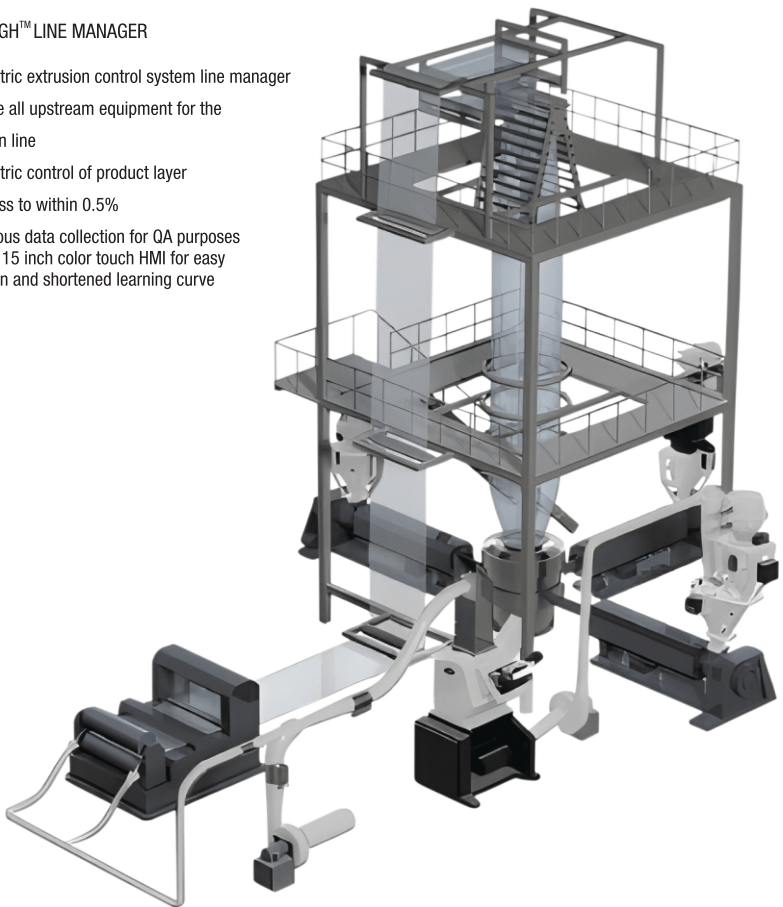
Engineered as part of the Conair TrueWeigh™ Gravimetric Extrusion Control System, the TrueWeigh™ Hopper measures the mass flow of material into the extrusion process and sends this loss-in-weight information to the TrueWeigh™ Controller. The controller then accurately monitors or adjusts the extruder screw and/or haul-off speed to maintain consistent yield control. This enables an operator to run a uniform product within the tightest tolerances at the lowest possible cost.

BLENDING TECHNOLOGY

Feed Forward Dosing technology provides industry best blend accuracy and consistency

TRUEWEIGH™ LINE MANAGER

- Gravimetric extrusion control system line manager
- Integrate all upstream equipment for the extrusion line
- Gravimetric control of product layer thickness to within 0.5%
- Continuous data collection for QA purposes
- Intuitive 15 inch color touch HMI for easy operation and shortened learning curve



TrueWeigh™ applications

Gravimetric Extrusion Control systems are most often used with single screw, flood-fed extruders in mono-layer or co-extrusion applications.

The most common applications are:

- Blown & Cast Film Sheet
- Extrusion Coating & Laminating
- Tube, Pipe & Profile
- Wire & Cable Jacketing
- Inventory Control (material reporting)

TrueWeigh™ can be used to control

- Extruder rate by weight throughput
- Haul-off speed by length throughput
- Weight of product per running length
- Layer percentages by weight for co-extrusion
- Weight of product by area
- Avg. thickness of Film, Sheet, Pipe, Tube, Wire and Cable (given width/diameter and material density inputs)

Advantages of TrueWeigh™

- Extruder control automatically adjust for extruder variables such as screen pack blockage, pressure drops, uneven temperatures, barrel wear and feed throat cooling
- Extruder control compensates for material variables like melt flow behavior, melt homogeneity, melt flow index and material bulk density
- Eliminate operator variability of different skill sets and repeatability

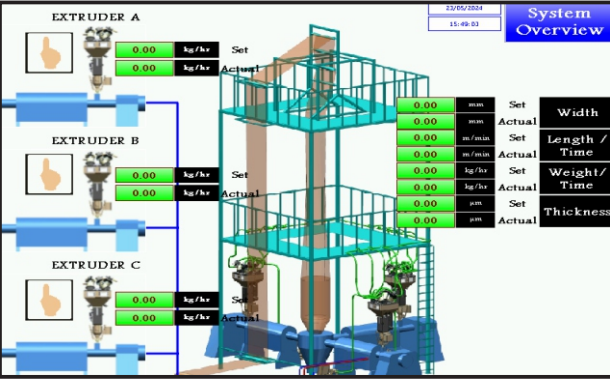
Unique Features

- 7 inch touch screen HMI with PLC based controls
- Monitor one to twelve extruders and one haul-off
- Recipe book (stores 500 recipes and 250 resins) 3000 & 4000
- Trending, diagnostics, alarms and built-in help screen
- USB output to flash drive
- Reports (inventory, alarm and status)
- Virtual Network Client (VNC) viewer for viewing on local PC
- High accuracy, precision cantilever load cell
- High resolution weighing electronics
- Haul-off pulse encoder and drive control
- Integral loader/surge hopper support platform for Conair equipment
- Inspection sight glass (on TWH-05 and TWH-10) OPC U/P
- Selected remote communication protocols (Modbus TCP for SCADA connectivity)
- Clear polycarbonate inspection cleanout door (on TWH-27 and TWH-44) Bumpless transfer
- Extruder mounting adaptor plate (drilled in the field)
- Test weight

Optional Features

- Magnet drawer
- Remote mounted touch screen interface
- Central operating of EPC, Blenders and Air Chillers
- Summarized material consumption & alarm reports
- Remote access kit
- Auto email of reports
- Stainless steel construction
- High temperature design (up to 177° C)
- Dry air purge ports
- Dust tight seal
- Drain valve
- Positive shut-off valve on inlet
- Custom mounting adapter
- Integration with TrueBlend Blender for mono-extrusion line
- Special paint

15 inch HMI - Optional



Job Report

JOB Report							
19/05/2026 15:39:00							
Job Name : REVI PP LDPE 2026							
Job Micron : 80.00 µm							
Roll Size : 1350.0 mm							
From : 19/05/2026-15:39:00 To: 19/05/2026-15:39:00							
Blender	Component-1	Component-2	Component-3	Component-4	Component-5	Component-6	Total
TB1	HDPE BLOW	FILLER BLOW	MB ORANGE	REGRIND	REGRIND	REGRIND	
Consumption	0.29kg	0.20kg	0.05kg	0.03kg	0.01kg	0.01kg	0.76kg
	38.09%	26.32%	24.21%	6.02%	3.57%	1.78%	100.00%
TB2	FILLER BLOW	REGRIND	HDPE BLOW	MB ORANGE	MB ORANGE	MB ORANGE	
Consumption	5.58kg	5.31kg	4.51kg	2.82kg	1.20kg	1.20kg	20.63kg
	27.07%	25.73%	21.84%	13.69%	5.84%	5.84%	100.00%
TB3	HDPE BLOW	MB ORANGE	REGRIND	BHNUKM	BHNUKM	BHNUKM	
Consumption	0.92kg	0.80kg	0.71kg	0.37kg	0.11kg	0.11kg	3.02kg
	30.60%	26.65%	23.41%	12.20%	3.57%	3.57%	100.00%

Technical Specifications - TWC Control

Model	TWC - 1	TWC - 2	TWC - 3	TWC - 5	TWC - 7	TWC - 9	TWC - 12
Maximum number of extruder	1	2	3	5	7	9	12
HMI screen size - EPC	7 inch			10 inch			
HMI screen size - Blenders & EPC both	7 inch			10 inch			

All specifications are subject to change without prior notice.

TrueWeigh™ Hopper

- Gravimetric mass flow hopper for rate monitor or control
- Gravimetric monitor/control of layer thickness to within 0.5%
- Integral drain for fast material changes
- Stainless steel option for medical and food applications.



Technical Specifications - TrueWeigh™ Hopper

Model	TWH - 05	TWH - 10	TWH - 27	TWH - 44
Hopper capacity (liters)	14	28	76	125

All specifications are subject to change without prior notice.

LEADING MANUFACTURER OF PLASTIC AUXILIARY EQUIPMENT

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



(An ISO 9001:2015 Certified Organization)

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