

FILM AND SHEET EXTRUSION

Solving all your auxiliary system needs



BLENDING | CONVEYING | DRYING | SIZE REDUCTION

DRYING SYSTEMS

Drying excellence specifically for your sheet process

DESICCANT WHEEL



- Consistent dew points with minimal maintenance
- No regular desiccant changes required and wheels can last 10+ years
- Self-adjusts to the incoming moisture content of the material to save energy
- Variable frequency drive modulates airflow to application needs

HOPPER

- 60 degree cone to promote good mass flow
- Dual spreader diffuser for even heating and easy cleanouts
- Integrated sight glass ports for material visibility
- Fully insulated double wall construction
- Hopper mount cyclones save floor space and reduce filter maintenance
- Integrated OSHA compliant ladder and handrail system for quick, safe access



* Optional air sweep system to avoid rat holing, maintain consistent flow and residence time

DEMISTER

- Decrease plasticizer and volatile gas contamination
- Extends desiccant wheel life and preventive maintenance
- Retrofittable into existing or competitor systems
- No moving parts and only requires water hook up



CRYSTALLIZER

- Increase regrind percentages by crystallizing amorphous scrap
- Robust agitator and breaker bars to keep material fluid and separated during crystallization
- High temp, VFD controlled, rotary air lock for consistent rate control
- Small footprint



GASTRAC™

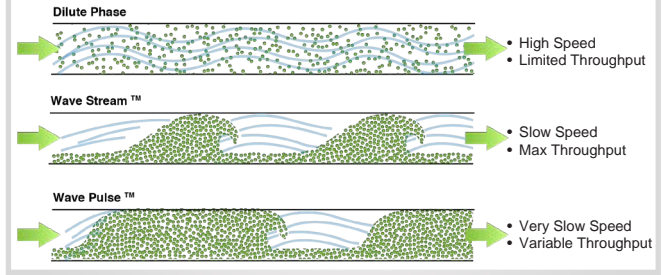
- Stable process heat using gas can save up to 70% for processors with high electric cost
- PID controlled NFPA gas heaters can be seamlessly integrated into the process
- Adding a gas heater greatly reduces the electric load of a new system when electrical utilities may already be stretched



WAVE CONVEYING™ TECHNOLOGY

- Patented technology - controlled speed conveying (300-2800 fpm)
- Reduce dust generation up to 95% in Wave Pulse and 75% in Wave Stream
- Eliminate angel hair
- More throughput at 2-3x slower conveying speeds
- Retrofittable to existing systems

Pneumatic Conveying: Phases in Vacuum



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™ CONTINUOUS BLENDER

- Screw rate monitor or control with multiple additives
- Cascade mixing chamber for precise homogeneous blend
- Continuous feed of all ingredients
- Direct drive AC synchronous auger motors
- Continuous data collection capability for QA diagnostics
- Intuitive 7 inch color touch HMI for easy operation and shortened learning curve



TRUEWEIGH™ CONTROL

- Extruder control automatically adjusts 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

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

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



SIZE REDUCTION

Latest technology for all your reclaim needs



EDGE TRIM GRANULATORS

- Variable speed drive systems with manual and automatic control
- Single and dual drive feed rolls available
- Fully soundproofed for reduced noise levels
- Integrated blower evacuation systems available
- Easy access for maintenance and cleaning

THERMOFORMING GRANULATORS

- Inline and under the trim station options
- Variable speed feed roll drives with manual and automatic control
- Optical, touchless, pneumatic dancer bar control feature
- Widths of 24" to 60"
- Single and dual driven feed roll systems available
- Manual feed opening for grinding of scrap parts
- Fully soundproofed for reduced noise levels



SHEET & ROLL STOCK GRANULATORS

- Widths up to 60"
- Variable speed drive systems with automatic adjustment
- Smooth, knurled and grooved feed roll designs
- Throughputs up to 5,000 lbs./hr.
- Inline and offline configurations available
- Negative and positive pressure evacuation systems available
- Dust separation systems available



SCRAP RECOVERY SYSTEMS

- Direct edge trim and roll scrap recycling without densifying or pelletizing
- Closed loop film reclamation for reduced risk of contamination
- Consistent ratio of virgin resin to reclaimed fluff
- Custom fitted to the extruder throat to provide maximum reclaim benefits without surging or "loss of feed" (*Oval or rectangular throat preferred*)
- Simultaneous feed of edge trim and roll scrap



VENTURI BASED SYSTEMS

- Smooth, dependable, non-stop operation
- Heavy-duty fan to move your continuous waste at the lowest horsepower possible
- Clog-free performance with virtually no maintenance
- Symmetrical ductwork for multiple in-feeds
- Venturi fans reversible and field rotatable

For When You Need It All. Conair is the only supplier uniquely equipped with the experience, technical know-how, product portfolio and staff to provide versatile solutions for individual processor needs. When you need it all, Conair's complete system capabilities are unmatched.