Automatic, Consistent
In-Line Scrap Reprocessing

The ScrapSaver™ volumetrically feeds ground light density film scrap to the extruder feed screw in a stable, consistent flow. Conair trim systems handle all kinds of film and sheet waste and return it directly to the extruder at rates of 25% or more. The ScrapSaver contains two separate hopper chambers: one for virgin material, and one for scrap fluff. The side-by-side feed system of the two materials re-feeds maximum fluff without bridging.

Direct in-line reprocessing of scrap material eliminates scrap handling costs and the risk of cross-contamination. Scrap inventory and labor expenses are significantly reduced and additional heat histories associated with secondary re-pelletizing or densifying operations are eliminated.

ScrapSaver
Model SSM-25

Direct Closed-Loop Reclaim Increases Profits

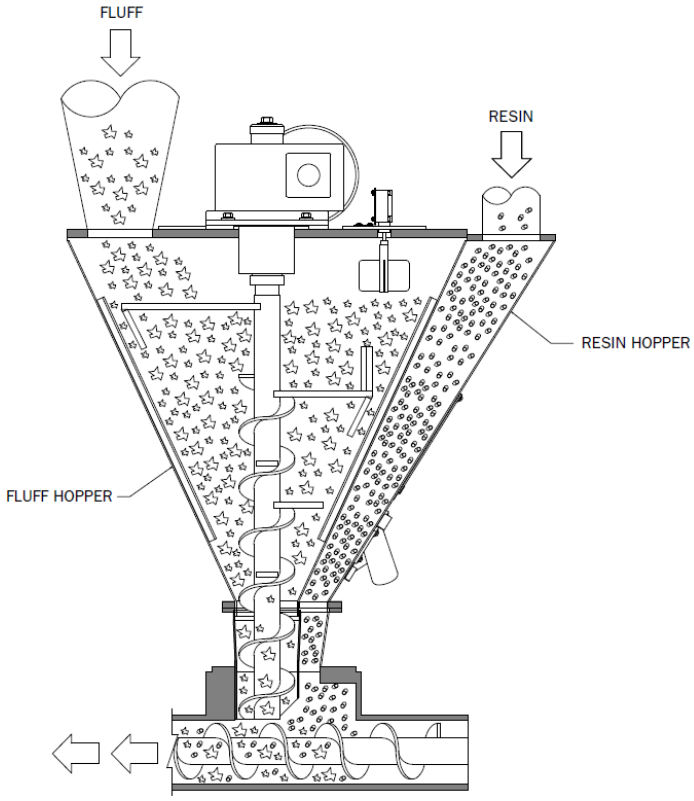
The ScrapSaver™ delivers a consistent ratio of ground scrap and virgin pellets. Two hoppers maintain component segregation until discharge approximately 1/2 - 1 inch {12-25 mm} above the screw flights. An agitator auger in the fluff hopper ensures reliable feeding of the scrap, while the virgin pellets are gravity fed. To optimize scrap re-feed rates and protect process stability, pellets enter the flights at a consistent ratio with the fluff. This creates a consistent flight-to-flight mix ratio and provides a steady, and consistent flow of material.

A variable speed auger motor is linked to the speed of the extruder - constantly following changes in extruder throughput, eliminating inconsistent feeding and extruder surging.

Different auger sizes are available to match extruder sizes up to eight (8) inch {200 mm}. Scrap re-feed rates are typically up to 25% of overall extruder throughput, but higher rates may be possible depending on the extruder feed section, screw design and the end-product being extruded.

- **Long life motor and gearboxes**
  The vertical scrap auger is driven with a reliable AC inverter motor. The drive system comes equipped with multi-level current overload protection to protect against premature drive and gearbox failure.
- **Won't overfeed or underfeed the process**
  The ScrapSaver™ follows any change in the extruder throughput rate. The following circuit provides consistent feed, avoids "cramming" the flights and eliminates related extruder surging. A low speed cut-out and an internal level sensor with delay timer controls the scrap granulator roll feed to prevent overfeeding.
- **Agitation prevents bridging**
  Agitator arms on the auger are designed to prevent bridging in the ScrapSaver machine and keep a consistent flow of ground scrap into the extruder.
- **Inexpensive operation**
  Automated system virtually eliminates operator involvement and scrap handling costs.
- **Operator-friendly control**
  The ScrapSaver control panel is easy to understand and use. The panel includes meters for displaying the RPM of the auger, and the load on the auger drive. The control panel also includes an E-Stop and a power disconnect switch.

Specifications



Features

- Custom-designed machine mount flange, for maximum reclaim benefits without surging or feed loss. Available in oval throat (OV), rectangular throat (RT), round throat (RD) or square throat (SQ) configurations.
- Control panel with included meters showing the rpm of the fluff auger and the load on the auger drive.
- Feed of scrap edge trim and roll scrap simultaneously, for better efficiency.
- Consistent ratio of virgin resin to reclaimed fluff.
- Closed loop film reclaim, for reduced risk of contamination.
- Direct edge trim and roll scrap recycling without densifying or pelletizing.
- Virgin pellet and scrap view ports
- Virgin pellet drain
- Perfect for a variety of material types, including: LDPE, LLDPE, MDPE, HDPE, HIPS, ABS, PP, and PET.

Model	SSM-25*	SSM-35*	SSM-45*	SSM-60*	SSM-80*
Performance characteristics					
Maximum extruder size inches {mm}	2.5 {63.5}	3.5 {88.9}	4.5 {114.3}	6.0 {152.4}	8.0 {203.2}
Maximum scrap reclaim rate lb/hr {kg/hr}	75 {34}	150 {68}	300 {136}	600 {272}	1200 {544}
Dimensions (approximate) inches {cm}					
Height	RD and SQ = 58 {147} OV and RT = 50 {127}				
Cone diameter	37 {94}				
Auger motor Hp {kW}	1.5 {1.12}			5 {3.7}	
Approximate Weight lb {kg}					
Shipping	600 {272}			750 {340}	
Approximate Voltage Full load amps †					
400V/3 phase/50 Hz	3.2			10.2	
460V/3 phase/60 Hz	3.0			10.0	

Also available:

- High efficiency cyclone
  An optional cyclone is available and is sized based on application material and rate, and system requirements.

Specification Notes

* Each model is available in Round (RD), Oval (OV), Square (SQ), or Rectangular (RT) feed throat configurations. Please specify your needs when requesting a quote or placing an order.

† FLA data for reference purposes only. Does not include any options or accessories on equipment. For full FLA detail for power circuit design of specific machines and systems, refer to the electrical diagrams of the equipment order and the nameplate applied to the machine.

Specifications may change without notice. Consult a Conair representative for the most current information.