

# 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.

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.



**Model SSM-3**  
with control panel

## Direct Closed-Loop Reclaim Increases Profits

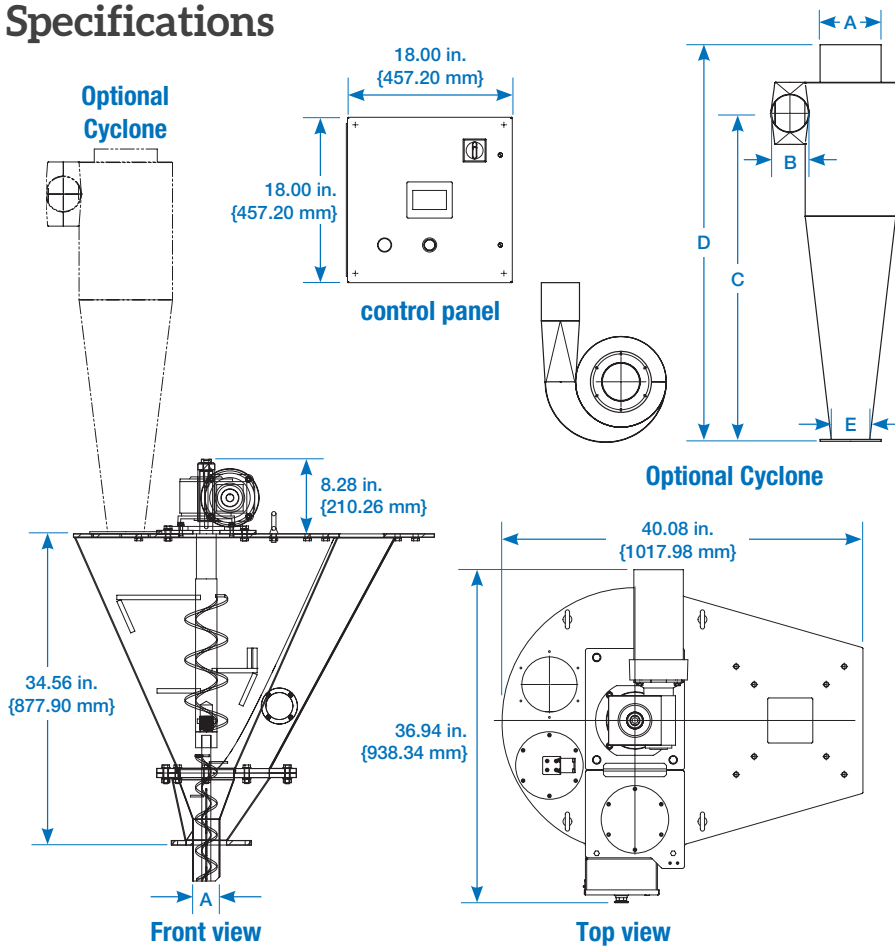
The ScrapSaver™ delivers a consistent ratio of ground scrap and virgin pellets. Two hoppers maintain component segregation until discharge approximately 1/2 - 1 inch {12-25 mm} above the screw flights. An agitator auger in the fluff hopper ensures reliable feeding of the scrap, while the virgin pellets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

Four 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 with alarm status 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.
- ▶ **Additive feeder side mount**  
A replaceable sight glass accommodates TrueFeed and other additive feeders for direct input to the ScrapSaver pellet feed chute.



# Specifications



## Features

- Remote mounted touch screen operator interface displays motor load and speed
- Current overload protection with alarm
- Control panel: 18 inches {457.2 mm} wide x 18.3 inches {464.82 mm} high x 8 inches {203.2 mm} deep
- NEMA 12 enclosure
- Variable speed AC drive
- Extruder screw following circuit
- Internal level indicator
- Scrap chamber bridge breaker
- Mild steel material contact surfaces
- Custom designed machine mount flange
- Virgin pellet and scrap view ports
- Virgin pellet drain
- Safety interlocks

## Options

- High efficiency cyclone with optional filter
- Pellet inlet adapter
- Additive feeder port
- Diverter valve (feeds two ScrapSaver™ machines from a single source)

Model	SSM-2	SSM-3	SSM-4	SSM-5
<b>Performance characteristics</b>				
A - Auger tube size at outlet inches {mm}	1.5 {38.1}	2.5 {63.5}	3.5 {88.9}	4.5 {114.3}
Maximum scrap rate ft <sup>3</sup> /hr {l/hr}	10 {283}	30 {850}	75 {2124}	150 {4248}
Minimum extruder sizes inches {mm}	2.0 {50.8}	3.0 {76.2}	4.0 {101.6}	5.0 {127}
<b>Capacity ft<sup>3</sup> {}</b>				
Virgin chamber		0.5 {14}		
Scrap chamber		2.5 {70}		
Auger motor Hp {kW}		1.5 {1.12}		
<b>Approximate Weight lb {kg}</b>				
Shipping		600 {272}		
<b>Voltage Full load amps *</b>				
400V/3 phase/50 Hz			3.3	
460V/3 phase/60 Hz			3.1	

## Optional Cyclone

Model	CYC-4	CYC-5	CYC-6	CYC-8
<b>Performance characteristics</b>				
Maximum CFM rating	375	500	850	1600
Use with blower	FB-1	FB-1.5	FB-3	FB-7.5
<b>Dimensions inches {mm}</b>				
A - Exhaust outlet	7 {177.8}	8 {203.2}	10 {254}	14 {355.6}
B - Inlet	4 {101.6}	5 {127.0}	6 {152.4}	8 {203.2}
C - Inlet height	37.25 {946.2}	43.00 {1092.2}	53.00 {1346.2}	79.50 {2019.3}
D - Overall height	46.25 {1174.75}	52.00 {1320.8}	63.00 {1600.2}	91.50 {2324.1}
E - Material outlet	4.0 {101.6}	5.0 {127.0}	5.5 {139.7}	6.0 {152.4}

## Specification Notes

\* 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.

