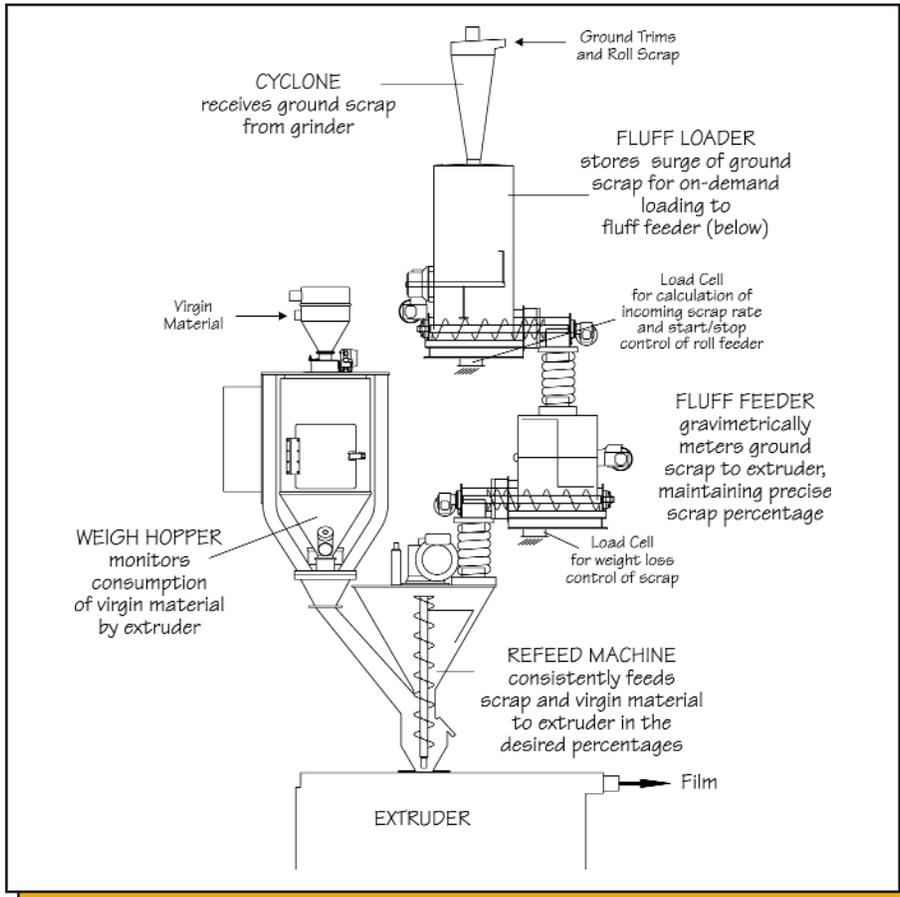


Gravifluff™

Gravimetric Fluff Feeding System



Gravifluff™: gravimetric fluff feeding system designed to control the ground scrap rate in an **asf**® in-line scrap recycling system (depicted above is an off-line Gravifluff system)

The Gravifluff™ system from Process Control lets processors capitalize on the combined power and benefits of an **asf**® in-line scrap recycling system and Gravitrol® gravimetric extrusion control. The Gravifluff™ system is designed for total integration of **asf**® and Gravitrol® for complete control of extrusion lines by weight.

With conventional refeed machines, the ground scrap ("fluff") component is volumetric. The operator can only guess at extruder consumption. In trim-only applications, this is rel-

atively simple; when roll scrap is introduced, the situation becomes more complex. Gravifluff™ solves the problem.

The Gravifluff™ system consists of a Fluff Loader and Fluff Feeder. The agitated Fluff Feeder is designed to meter fluff accurately and consistently to an RMX Refeed Machine. The RMX is operated in a starve feed mode so that all scrap introduced is metered immediately to the extruder screw. The Fluff Feeder utilizes the same loss-in-weight technology found on Process Control's con-

tinuous gravimetric blenders.

When the weight of the Fluff Feeder drops below a preset "load weight," the Fluff Loader auger turns on and replenishes the Feeder's fluff supply. The Fluff Loader continuously receives ground scrap through a cyclone from a GF Series Film Scrap Grinder (available separately). When Loader weight drops below a preset level, an RF Series Roll Feeder (also available separately) is turned on. If scrap in the Loader exceeds a preset high weight, the RF turns off. The weighed Fluff Loader is also programmed to alert the operator when additional rolls must be added to the Roll Feeder.

Controls built into the Gravifluff™ system integrate with Process Control's Gravitrol® system. The operator sets the scrap-to-virgin percentage on the easy-to-use Gravitrol® interface as part of a complete gravimetric production recipe. The actual extruder rate is compared with the required virgin material rate, and the extruder screw speed is adjusted by the controller to maintain the desired virgin rate. This way, both virgin and scrap rates are controlled. ■

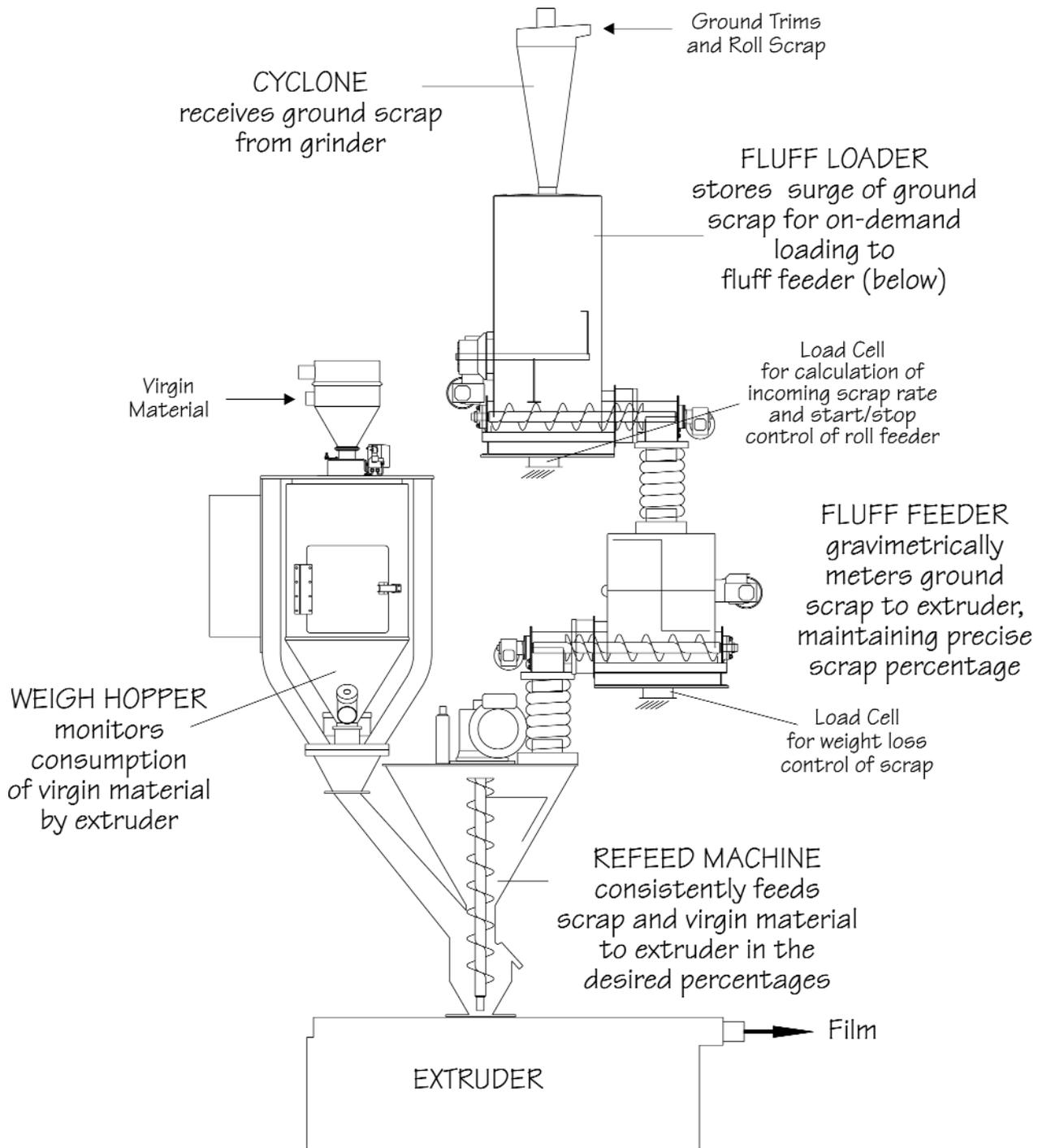
Standard Features

- Accurate gravimetric loss-in-weight technology
- Continuous agitation of fluff

Options

- Off-line mounting capability
- GF Series Film Scrap Grinder
- RF Series Roll Feeder
- Special paint/electricals

Gravifluff Gravimetric Fluff Feeding System



Depicted above: on-line application of a typical Gravifluff™ system.

Every unit is factory tested before shipment. Information is subject to change without notice. Use only certified drawings for construction purposes.



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