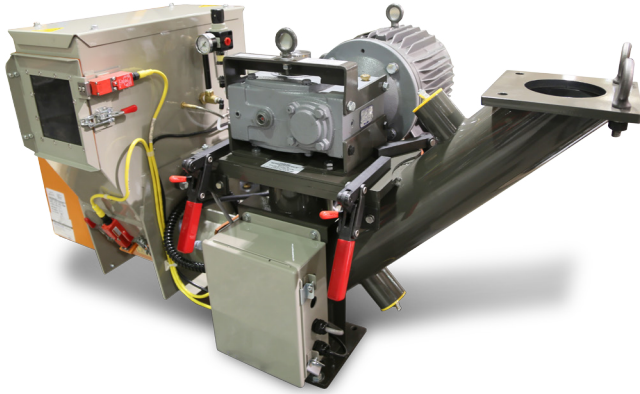


# TFH SERIES

## Fluff Feed Hoppers



## Technical Specifications

TFH Series fluff feed hoppers are designed to feed a percentage of the fluff directly back into the extruder throat. The unique dual-stage design ensures that the fluff is mixed with the virgin material above the extruder throat. Each auger is independently adjustable and can be set to follow the extruder screw speed by monitoring a tachometer signal from the extruder. TFH fluff feed hoppers are designed to feed edge trim and roll scrap back into an extruder at a maximum rate of 25% of extruder output.

## Features

### Standard Features

- NEMA 12 enclosure
- IR compensation
- Up to 25% maximum re-feed rate
- Dependable auger metering
- Machine-mount flange
- Mild steel material contact surfaces
- Independently-adjustable vertical mix auger and horizontal fluff metering auger
- Fluff hopper with bottom clean-out door, includes safety switch
- Individual speed adjustments using variable-frequency drives
- Digital speed potentiometers
- Fluff hopper bridge breaker
- Extruder following signal isolator
- Horizontal and vertical drive NEMA MG-31 AC inverter-duty motors
- Optical level sensor with delay timer for field connection to grinder feed rolls and alarm device
- Ammeters for each drive motor
- Each auger (horizontal fluff feed and vertical mixing) can be adjusted independently, using the controls on the front panel.
- Fluff feedback rate is based on a non-extruder limited line, recycling 1.25 mil LDPE medium slip film. Extruder screw speed increase may be required to obtain maximum quoted feed rate. If extruder is running 100% plasticizing capacity on virgin material, loss in output may occur during fluff feeding.

## Optional Features

- Special voltage
- 90° feed pedestal
- Special design feed pedestal
- Special mounting flange or throat adapter (extruder throat and flange drawings required)
- Special cyclone hole in fluff hopper cover (exact specifications required)
- Cyclone separators

## Specifications

Model	Horizontal Auger		Vertical Auger	
	Power, HP (kW)	Size/dia., in. (mm)	Power, HP (kW)	Size/dia., in. (mm)
TFH 350	0.75 (0.373)	2 (41)	0.75 (0.559)	2.5 (63)
TFH 450	0.75 (0.559)	3 (76)	2 (1.119)	3.5 (88)
TFH 600	2 (1.492)	4 (101)	2 (1.492)	4.75 (120)
TFH 800	3 (2.238)	6 (152)	3 (2.238)	5.75 (146)
TFH 1000	3 (2.238)	6 (152)	5 (3.730)	8 (203)

Model	Extruder screw dia. in. (mm)	Fluff hopper capacity cu. ft. (l)	Std. mounting flanges in. (mm)	Drive type	Supply Voltage	Height	Width	Length
TFH 350	3.5 (89)	2 (56)	8 (203)	Delta VFD	230/1/60	32.25 (82)	27.63 (70)	56.625 (144)
TFH 450	4.5 (114)	3 (84)	8 (203)	Delta VFD	230/1/60	39.88(101)	28.13 (71)	60.625 (154)
TFH 600	6 (152)	4 (113)	10.5 (266)	Delta VFD	230/1/60	43 (109)	40.63 (103)	70.88 (180)
TFH 800	8 (203)	4 (113)	14 (355)	Delta VFD	230/1/60	46 (117)	40 (102)	82.63 (210)
TFH 1000	10 (254)	4 (113)	16 (406)	Delta VFD	230/1/60	45.5 (116)	37.5 (95)	88 (224)