



## GR2 HBD SERIES DUAL-CHAMBER FILM GRINDERS

AEC's exclusive HBD® film grinders use dual cutting chambers to reduce the fluff to a smaller particle size, providing a higher bulk density, which results in higher re-feed rates. Scrap film first passes through a primary upper cutting chamber, then through a secondary lower chamber with a smaller screen. HBD® grinders are excellent for tacky, heat-sensitive materials, like LLDPE and PVC. HBD® Series grinder design permits a very high line speed edge trim, because the top chamber stays evacuated to enable efficient ingestion of materials. Excellent for high-speed cast film lines.



Model GR2-812-20 HBD

### STANDARD FEATURES

- Two-stage high bulk density grinding performance
- Frame-mounted control panel
- Frame-mounted fluff blower
- 4-blade adjustable slant knife rotor, 1-blade adjustable slant bed knife per chamber, D2 steel (10 blades total)
- Reinforced grinder screen
- Heavy-machined plate cutting chamber
- Heavy-duty outboard-mounted bearings with scraper blades
- 460/3/60 supply voltage

### OPTIONAL FEED ROLL ASSEMBLY FEATURES

- Doctor blade on lower roll to help reduce wrapping
- Exclusive "undercut" knurl design helps prevent knurl wear
- Heavy-duty hollow shaft gearbox and variable speed drive motor
- Front door with hinge and quick-release clamp
- Adjustable finger guards
- Assembly hinged with quick-release clamp for cleaning
- Pneumatic assist
- Angled feed roll geometry to assist in feeding thick films
- Steep wall grinder chute to advance roll stock and film
- Optional feed roll reversing switch available
- Safety switches on all hinged, opened components for safety

### OPTIONAL FEATURES

- Special voltage (specify)
- Standard hand feed chute
- Flywheel on grinder for heavy feeding
- Sound enclosure
- Carbide-coated grinder blades in lieu of D2 (10 blades)
- CPM10V grinder blades in lieu of D2 (10 blades)
- Additional spare set of D2 blades
- Feed roll reversing switch
- Remote-mount control panel
- Soft start; minimum 50 HP (37 kW) drives

# GR2 HBD SERIES FILM GRINDERS

# BLEND AND RECLAIM

## SPECIFICATIONS

Model	Grinder motor, HP (kW)	Fluff blower motor, HP (kW)	Grinder rate range, lbs./hr (kg/hr) <sup>1</sup>	Primary screen hole dia., in. (mm) <sup>2</sup>	Secondary screen hole dia., in. (mm) <sup>2</sup>
GR2-812-20	20 (14.92)	2 (1.49)	300-400 (135-180)	0.25 (6.35)	0.1875" (4.762)
GR2-1218-30	30 (22.38)	5 (3.73)	400-600 (180-270)	0.375 (9.525)	0.1875" (4.762)
GR2-1218-40	40 (29.84)	5 (3.73)	600-850 (270-850)	0.375 (9.525)	0.1875" (4.762)
GR2-1824-75	75 (55.95)	10 (7.46)	1000-1500 (455-680)	0.5 (12.7)	0.3125 (7.938)

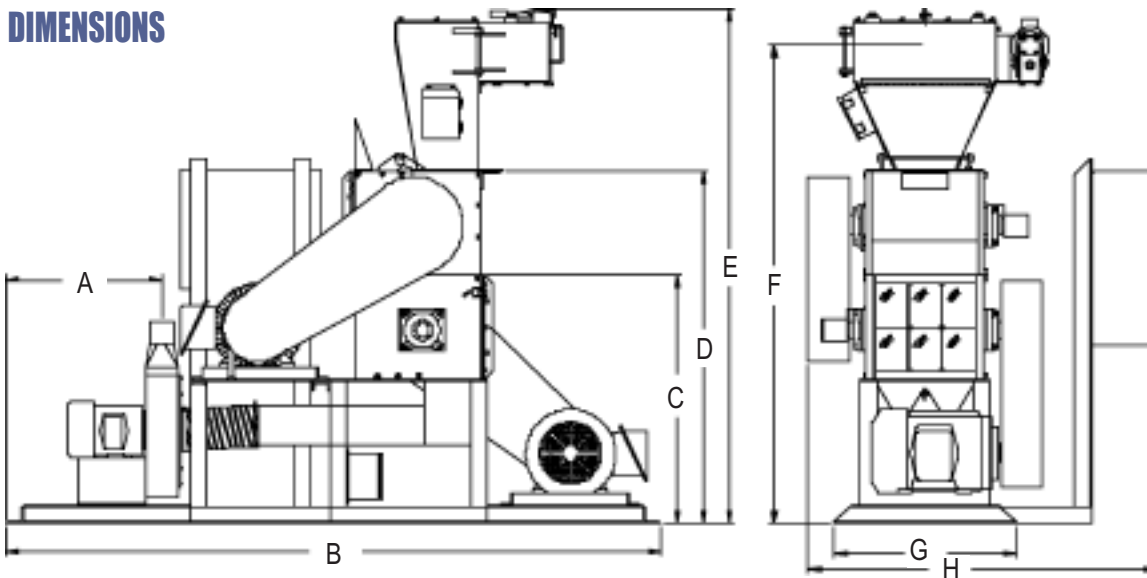
1 Feed rate range is based on 1.0 mil LDPE film scrap; actual rate will vary. Material types and thickness can greatly impact the performance of film grinders. AEC is not responsible for grinder performance under certain operating conditions with which the equipment is not designed to handle, or if the material type and thickness is not known or specified with the order. It is the responsibility of the salesperson and the customer to inform the factory of the exact scrap film application with confirming orders.

2 Screen hole diameter in mm is approximate. Screen size required may vary depending on the material type and thickness.

## FEED ROLL ASSEMBLIES

Description	Models
Model 14 with 1/2 HP (0.373 kW) SCR drive (up to 60" layflat)	Model 812 only
Model 14 with 3/4 HP (0.559 kW) SCR drive (up to 84" layflat)	Models 812 and 1218
Model 20 with 1.5 HP (1.12 kW) SCR drive (up to 120" layflat)	Models 1218 and 1824
Model 30 with 5 HP (3.73 kW) SCR drive (up to 160" layflat)	Model 1824 only

## DIMENSIONS



Shown with optional feed roll assembly

Model	A, in. (cm)	B, in. (cm)	C, in. (cm)	D, in. (cm)	E, in. (cm)	F, in. (cm)	G, in. (cm)	H, in. (cm)
812	19.375 (49)	96 (244)	32.375 (82)	44.375 (182)	71.625 (182)	65.625 (167)	24 (61)	51.625 (131)
1218	27 (69)	113 (288)	43 (109)	61 (155)	89.125 (226)	83 (211)	31.5 (80)	60.375 (153)
1824	Consult factory							