

# SGR2 SERIES



## Dual-Chamber Grinder

### SCRAP HANDLING AND RECLAIM FOR A VARIETY OF PROCESSES

Sterling'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. The HBD® Series grinder design permits a very high light speed edge trim because the top chamber stays evacuated to enable efficient ingestion of materials. Excellent for high-speed cast film lines.



#### Features

- Two-stage high bulk density grinding performance
- Frame-mounted control panel
- Frame-mounted fluff blower
- Four (4) -blade adjustable slant knife rotor, one (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

#### Options

- 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

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### SPECIFICATIONS

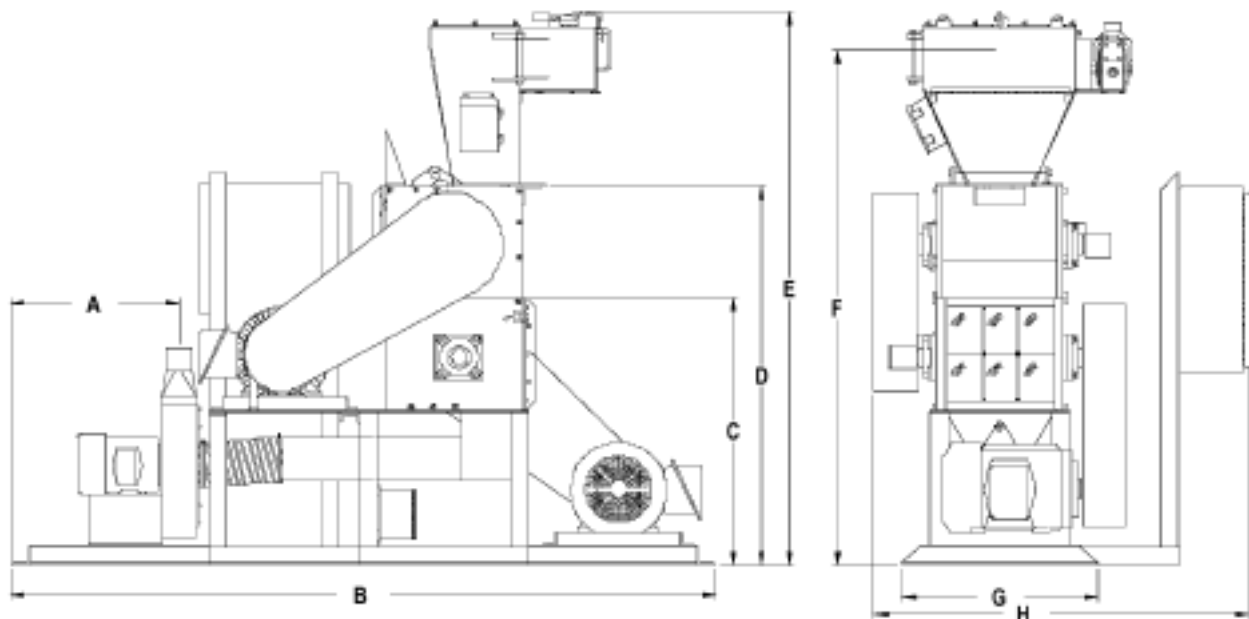
Model	Grinder (2) @		Fluff Blower Motor		Grinder rate range <sup>1</sup>		Screen Hole Size <sup>2</sup>	
	HP	kW	HP	kW	lbs./hr	kg/hr	Primary Screen	Secondary Screen
							in. dia.	mm dia.
SGR2-812-20	20	14.92	2.0	1.49	300-400	135-180	1/4 (6.350)	3/16 (4.762)
SGR2-1218-30	30	22.38	5.0	3.73	400-600	180-270	3/8 (9.525)	3/16 (4.762)
SGR2-1218-40	40	29.84	5.0	3.73	600-850	270-385	3/8 (9.525)	3/16 (4.762)
SGR2-1824-75	75	55.95	10.0	7.46	1000-1500	455-680	1/2 (12.700)	5/16 (7.938)

1 Feed rate range is based on 1.0 mil LDPE film scrap; actual rate will vary. Material type and thickness can greatly impact the performance of film grinders. Sterling 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 upon the material type and thickness.

### TYPICAL SGR2 HBD SERIES FILM GRINDER SYSTEM

Note: The following drawing is shown with the optional feed roll assembly for scrap roll feeding.



Optional relief head (edge trim exhauster) not shown

### DIMENSIONS

Model	A	B	C	D	E	F	G	H
	in. (cm)	in. (cm)	in. (cm)	in. (cm)	in. (cm)	in. (cm)	in. (cm)	in. (cm)
812 HBD	19 3/8 (49)	96 (244)	32 3/8 (82)	44 3/8 (112)	71 5/8 (182)	65 5/8 (167)	24 (61)	51 5/8 (131)
1218 HBD	27 (69)	113 (288)	43 (109)	61 (155)	89 1/8 (226)	83 (211)	31 1/2 (80)	60 3/8 (153)
1824 HBD	Consult factory for dimensions							