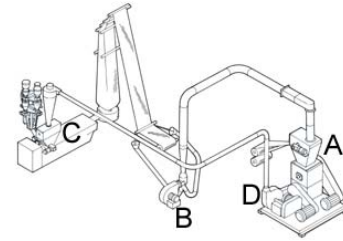


Typical Scrap Reclaim System

- A – Film Grinder
- B – Edge Trim Conveying System
- C – Fluff Feed Hopper
- D – Cyclone



Component A is described below

Brief Description

Colortronic'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 tcky, 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.

Standard 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



Model CGR2-812-HBD

Optional Feed Roll Assembly Features

- Doctor blade on lower roll to help reduce wrapping
- Exclusive feed roll "undercut" knurl design helps prevent knurl wear
- Heavy-duty hollow shaft gearbox and variable speed drive motor package
- Front door with hinge and quick-release clamp
- Adjustable finger guards
- Assembly hinged with quick-release clamp for cleaning
- Pneumatic assist provided with Model 20 & Model 30 feed roll assemblies
- 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

Technical Information

CGR2 HBD Series Dual-Chamber Film Grinder Models

Model no.	Grinder (2) @		Fluff blower Motor		Grinding rate range ①		Screen hole diameter ②			
	HP	kw	HP	kw	lbs./hr	kg/hr	Primary screen in. dia.	Primary screen mm dia.	Secondary screen in. dia.	Secondary screen mm dia.
CGR2-812-20	20	14.92	2.0	1.49	300-400	135-180	1/4"	6.350	3/16"	4.762
CGR2-1218-30	30	22.38	5.0	3.73	400-600	180-270	3/8"	9.525	3/16"	4.762
CGR2-1218-40	40	29.84	5.0	3.73	600-850	270-385	3/8"	9.525	3/16"	4.762
CGR2-1824-75	75	55.95	10.0	7.46	1,000-1,500	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 types 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.

CGR2 HBD Series Feed Roll Assemblies and Option Availability

✓ denotes availability

Option description	Availability
Model 14 with 1/2 HP (0.373 kW) SCR drive (up to 60" [150 cm] layflat)	Model 812 only ✓
Model 14HP with 3/4 HP (0.559 kW) SCR drive (up to 84" [210 cm] layflat)	Models 812 to 1218 ✓
Model 20 with 1-1/2 HP (1.119 kW) SCR drive (up to 120" [300 cm] layflat)	Models 1218 and 1824 ✓
Model 30 with 5 HP (3.730 kW) SCR drive (up to 160" [405 cm] layflat)	Model 1824 only ✓

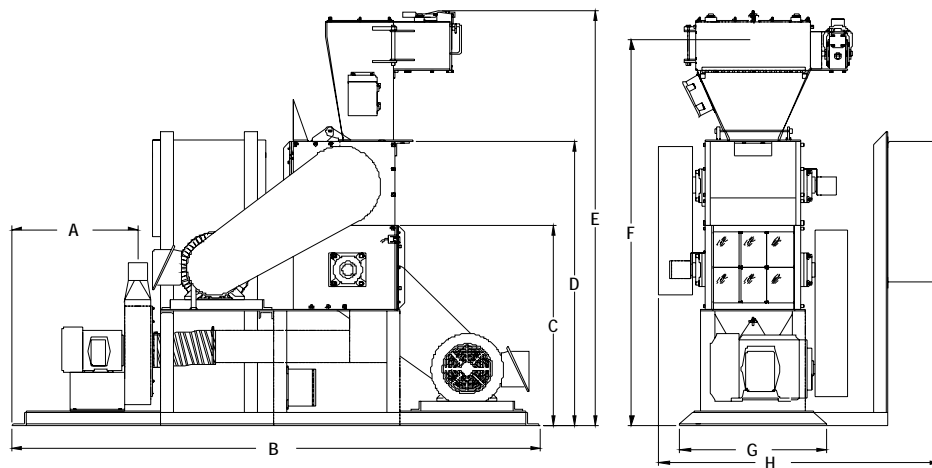
CGR2 HBD Series Option Availability

✓ denotes availability

Option description	Availability
Special voltage	✓
Standard hand feed chute	✓
Flywheel on grinder for heavy feeding	✓
Sound enclosure	✓
Carbide-coated grinder blades in lieu of standard D2: (total ten [10] blades)	<ul style="list-style-type: none"> • CGR2-812 ✓ • CGR2-1218 ✓ • CGR2-1824 Consult factory
CPM10V blades in lieu of standard D2 blades: (total of ten [10] blades)	<ul style="list-style-type: none"> • CGR2-812 ✓ • CGR2-1218 ✓ • CGR2-1824 Consult factory
Spare set of D2 blades	✓
Feed roll reversing switch	✓
Remote-mount control panel	✓
Soft start (50 hp [37.3 kW] and above)	Consult factory

Typical CGR2 HBD Series Film Grinder System

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



NOTE: Optional edge trim air exhauster (relief head) not shown

CGR2 HBD Series Film Grinder Dimensions

Model number	Dimensions (cm is approximate)															
	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															

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