

3200 Series Granulators



Ultimate Performance

- Heavy-Duty
- High-Throughput Capacity
- Time-Saving Accessibility

Cumberland's 3200 Series granulators have been designed with you, the processor, in mind. They cover a wide range of applications including heavy extruder purgings, blow-molded flashings, thick sheet, pipe, large blow-molded parts (automotive, appliance, furniture, profiles), X-ray films, packaging films and large-capacity post-consumer products. Ranging in horsepower from 200 HP to 400 HP, and with throughput capacities from 6,000 to 12,000 lbs./hr, Cumberland's 3200 Series granulators offer heavy-duty design and high-capacity granulating for all your demanding applications.

The 3200 Series has an extensive range of features and options and is available in three model sizes: 32" x 42", 32" x 63" and 32" x 84".



A hydraulic tilt mechanism for the infeed hopper provides complete access to the cutting chamber and rotor for simplified maintenance, saving time and money.



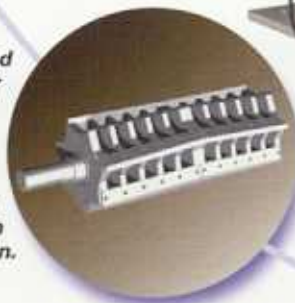
The standard staggered-knife open rotor is designed for general-purpose applications, improved throughput and greater part acceptance.

Integral rotor knife seats are replaceable, simplifying maintenance.



The multi-knife staggered "Hog" rotor is designed for the heaviest purging applications. Weighing in at over 8,000 lbs. itself, this rotor is unbelievably massive.

Chevron rotors are designed for high-rate film and fiber or more heat-sensitive materials. Combined with the standard counter-chevron bed knives (a standard feature of the 3200 Series) the chevron rotor completes the Twin High Shear™ cutting action.



Outboard-mounted integral bearing housings and heavy-duty double-row spherical roller bearings support maximum load-carrying capacity for the heaviest applications.



The solid high inertia flywheel (over 4000 lbs.) creates unmatched torque and driving force at the knife tip for unstoppable cutting action. A dual flywheel is optional for even more demanding applications.

Applications of the 3200 Series...



Twin heavy-duty hydraulic cylinders ensure smooth pivoting of the hopper and upper chamber.

The auto-lube system takes the worry out of PM schedules and lubricates the bearings constantly on a pre-programmed cycle.

Safety interlock switches protect the operator and provide a safe environment for operation.



Electrical controls operate both hopper tilt and screen cradle hydraulics and are wired to a zero RPM switch for safety.

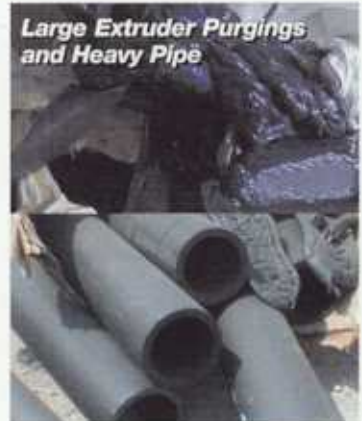
The positive-stop mechanism is designed to ensure a locked rotor position for servicing and maintenance.



Discharge transition chutes roll out on tracks beneath the cradle for simplified access and cleaning. Twin-pipe discharge creates high-velocity material evacuation and efficient airflow, critical for high-capacity applications.

A drop-down screen cradle, also with hydraulic tilt, provides quick screen access.

Cumberland offers a wide choice of evacuation systems to meet every production requirement.



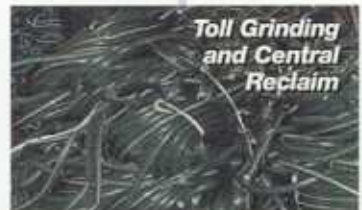
**Large Extruder Purgings
and Heavy Pipe**



**Baled or
Loose Film**



**Large
Blow-
Molded
Parts**



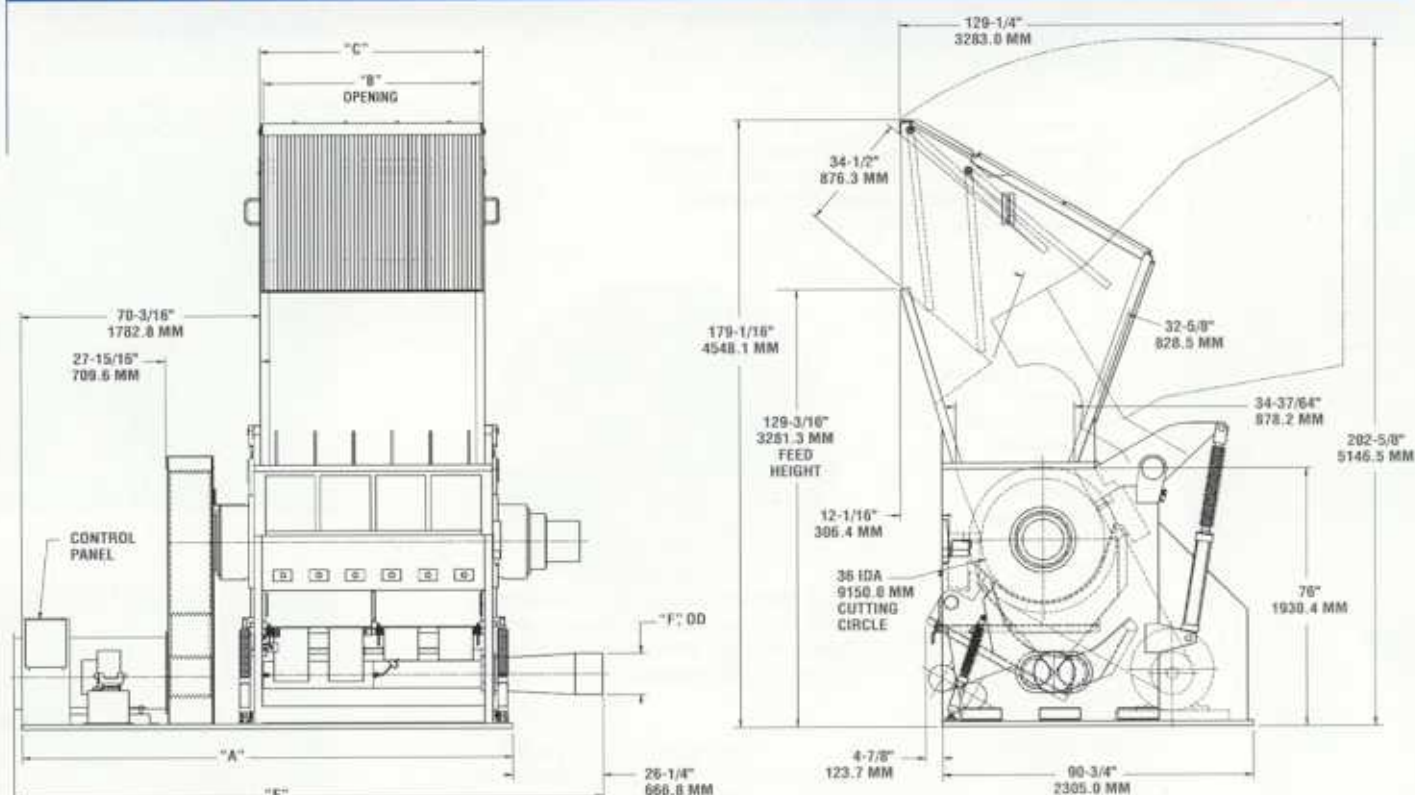
**Toll Grinding
and Central
Reclaim**



**Tire and Rubber
Recycling**

3200 Series Granulator Specifications

Standard Configuration



Selector Guide

	INFEED	CUTTING CHAMBER	ROTOR			BASE	DISCHARGE	MOTOR		DRIVE PARTS	CONTROLS	THROUGHPUT* LBS/HR (APPROXIMATE)	WEIGHT LBS/HR (APPROXIMATE)	DIMENSIONS				
STANDARD FEATURES	Conveyor Feed Electro-Hydraulic Tilt	Split Design, Drop Cradle, Integral Bearings, Chevron Bed Knives	3-Knife Open Offset 36" C/C (Standard)	Staggered "HOG" (Optional)	Special Options	Low Profile Common Plate	Airveyor L/R Side (12"/12"/14")	1200 RPM/TEFC (Standard)	Optional	Solid High-Inertia Flywheel/Shaft V-Belt Drive	NEMA Type 12 Safety Interlocks, Hydraulic Actuation	3/8" Screen 3-Knife Open Rotor		A	B	C	E	F
3242	Tray Feed Pipe Feed Sheet Feed	Raised Bed Knife Water-Cooled Wearplates	9-Knife	20-Knife	Twin High Shear™	Standard	Front/Rear or Conveyor	150 HP	150-400 HP	Dual Flywheel	Motor Controls (Optional)	6,000	30,000	122-1/2	42-1/8	44-3/8	161-1/8	10
3263			12-Knife	20-Knife	5-Knife Open Hard-Faced Water-Cooled			200 HP				10,000	35,000	143-1/2	63-1/8	65-3/8	172-1/8	12
3284			18-Knife					250 HP				12,000	42,000	164-1/2	84-1/8	86-3/8	193-1/8	14

* Rates may vary with application and are based on 3/8" diameter screen.

Features & Benefits

Feature	Benefit
• Hydraulic actuation system for hopper and cradle	• Simplified access for service and maintenance
• Slide-out pivoting discharge chute assembly	• Clean-out is quick and easy, saving valuable time
• Replaceable rotor-knife seats	• Reduces downtime and simplifies maintenance, saving you money
• Bearings are close-fit, taper-mounted and adjustable	• Precise control for tight-tolerance applications, critical for high-capacity bulk film
• Auto-Lube system feeds a constant amount of lubricant for automated PM service	• Programmable service cycle ensures proper lubrication of bearings — no worry

