



Technical Specification

C Series Granulators



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C Series Granulators

Application:

For heavy extruder purgings, sheet and pipe scrap. The C Series Granulators are ideal for pipe, purgings, x-ray film, sheets, post consumer baled bottles, film, and fibers. The C Series features a standard 3-knife twin high-shear rotor.

Features:

Model	Throat Size	Cutting Circle Diameter	Throughput	Approximate Weight
C1000	520 x 1015 mm	457 mm	1362 kg/hr	6350 kg
C1400	520 x 1420 mm		1589 kg/hr	7710 kg

Benefits:

- Heavy-duty construction allows granulator to handle heavier loads.
- The rotor knives are bolted to the rotor with high-strength alloy steel bolts.
- Reinforced, heavy-duty screen cradle.
- Optimum cutting efficiency with Twinshear knife configuration.
- Dual flywheels reduce drive horsepower requirement.
- 3-Chevron-positioned rotor knives scissor cut against the bed knives to provide optimum cutting efficiency, with low power consumption.
- housed, heavy-duty, spherical roller bearings
- The hopper has sound-absorbent materials to minimize airborne and structural noise.
- Open-wing rotor produces high quality granulates.
- Rotating end rings to prevent frictional heat and to prevent dirt migrating into the bearings.
- Heavy duty overall construction: main frame, rotor, downstroke shield, steel plate bed knife blocks & belts. Larger, spherical roller bearings and heavy-duty flywheel sheave.
- Power operated jack screws tilt the hopper and drop the screen cradle for ease of maintenance and clean-out.

Specifications (Consult Factory for Special Options):

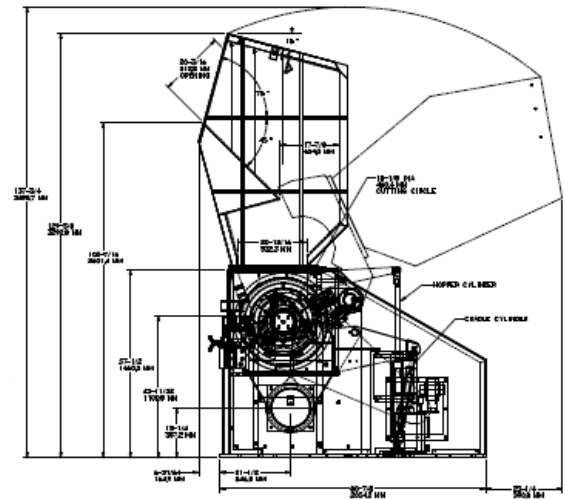
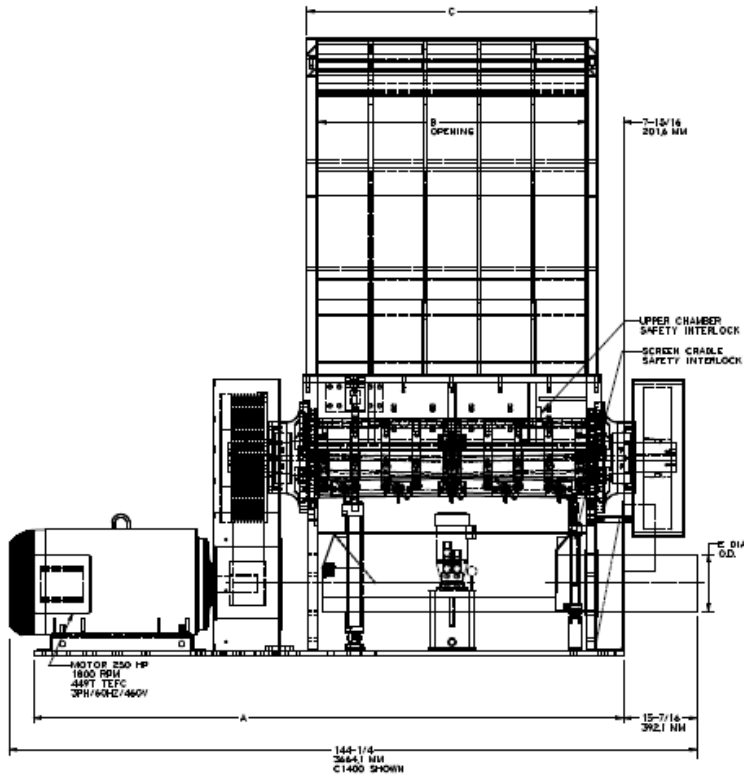
	C1000		C1400	
	Standard	Std. Option	Standard	Std. Option
Infeed	Conveyor feed	Sheet feed, Side feed, Conveyor and sheet feed, Conveyor and pipe feed	Conveyor feed	Conveyor and sheet feed, Conveyor and pipe feed, Sheet feed, Side feed
Cutting Chamber	2-bed knife, Twinshear	(raised) bed knife	2-bed knife, Twinshear	(raised) bed knife
Rotor	3-knife Twinshear	5 knife Twinshear 3 knife offset	3-knife Twinshear	5 knife Twinshear 3 knife offset
Rotor Knives	HCHC Highshear	HCHC, keen edge, 55°, steep angle	HCHC Highshear	HCHC, keen edge, 55°, steep angle
Bed Knives	HCHC, 2-edge		HCHC, 2-edge	
Screen	100 mm dia., swing down	5 to 76 mm diameter	10 mm dia., swing down	5 to 76 mm diameter
Base	Airveyor		Airveyor	
Discharge	203 mm Airveyor chute	254 mm Airveyor chute	305 mm Airveyor chute	254 mm Airveyor chute
Motor	75 kW, 1800 RPM, TEFC, 50hz 240/400v	93 kW, 112 kW, 150 kW, 186 kW, TEFC	112 kW, 1800 RPM, TEFC, 50hz 240/400v	75 kW, 93 kW, 150 kW, 250 HP, TEFC
Drive Parts	V-belt, dual flywheels		V-belt, dual flywheels	
Electrical	Start/Stop push buttons and safety interlocks		Start/Stop push buttons and safety interlocks	
Components	Customer supplied	IP-55	Customer supplied	IP-55
Labels	Safety labels/English	French/Spanish	Safety labels/English	French/Spanish
Accessories		Blower, separator		Blower, separator

— See Page 2 For C Series Drawings —



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Cumberland C Series Granulators



Dimensions

Model	A	B	C	D
1000	2737 mm	1019 mm	1140 mm	254 mm
1400	3143 mm	1426 mm	1546 mm	305 mm