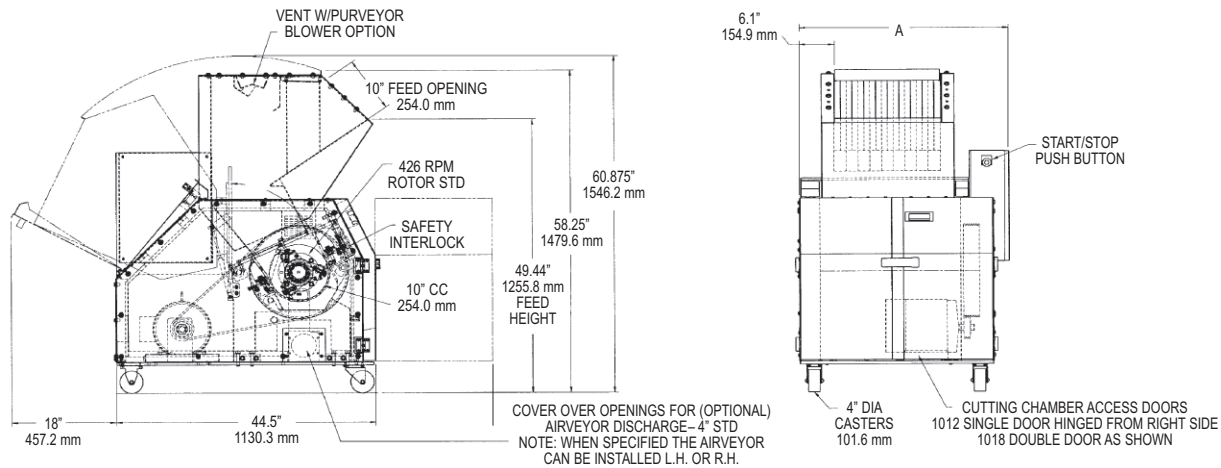


1000 Series Granulators

Standard Configuration



Specifications

Model	1012	1018
Cutting Circle	10" (254.0 mm), 426 rotor RPM	
Throughput	450 lbs/hr (204.5 kg/hr)	550 lbs/hr (249.5 kg/hr)
Cutting Chamber	10" x 12" (254 mm x 304.8 mm)	10" x 18" (254 mm x 457.2 mm)
Rotor Knives	3 knife open-scooped with rotating end discs	
Discharge	Bin standard	
Motor	5 HP (3.75 kW) TEFC standard	
Drive Parts	Flywheel/rotor (solid), drive belts, taper lock bearings, and adjustable motor base	
Base	Sound-enclosed base, caster-mounted for bin enclosure	
Electrical Components	Start/stop push button, complete set of safety interlocks	
Controls	NEMA Type 12	
Feed Height	49.44" (1255.8 mm)	
Overall Height	58.25" (1479.6 mm)	
Overall Length	44.5" (1130.3 mm)	
Overall Width (A)	29.875" (758.8 mm)	35.875" (911.2 mm)
Weight	1275 lbs (578.3 kg)	1440 lbs (653.2 kg)

Standard Features

- Pivoting hopper, drop-down removable screen cradle and machined, bolted cutting chamber simplifies cleaning and maintenance
- Low-profile, sound-attenuated infeed systems for robot, hand or conveyor feed applications
- HCHC knives manufactured in-house utilizing Cumberland's proprietary process for heat-treating ensures durability and long life
- Oversized solid flywheel

Available Options

Motor
• 7.5 to 15 HP (5.625 to 11.25 kW) TEFC motors

Discharge
• 1.25", 1.5", 2" or 2.5" vacuum takeoff
• 4" airveyor

Knives
• D2 components and wear resistant package for abrasive applications



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Bulletin CG2-110.3

1000 Series Granulators

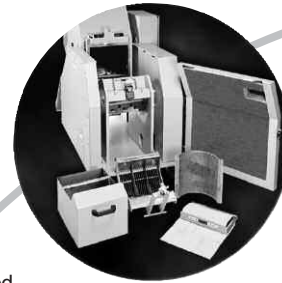


Advanced

- **Sound-Attenuated**
- **Application Versatility**
- **Easy Access**

Cumberland's 1000 Series granulators are designed for efficient beside-the-press regrind of reject components from injection molding, blow molding and extrusion processes. Quiet-running and extremely versatile, they can be used with robot feed, conveyor feed or hand feed applications.

1000 Series sound-attenuating granulators are available in two models – 10x12 and 10x18. Both provide excellent quality regrind with the added advantage of reduced maintenance costs.



Advanced pivoting infeed hopper is double-walled for quiet operation. Unique quick access clamp and safety switch allows 'no tools' access.

The standard design includes integrated rotating end discs for low-heat granulation and reduced frictional wear.



The open rotor with scooped wings is designed to handle bulkier parts, thin-gauge materials, heat-sensitive plastics and film scraps.

The solid high-inertia flywheel is a Cumberland standard.

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



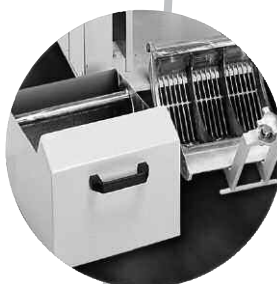
Unique machined, bolted and doweled construction ensures strength and durability. Integrated rotating end discs provide for low-heat granulation for heat-sensitive materials. Double-sealed bearings are lubricated for life.

NEMA Type 12 enclosure with 120V push button is designed to NFPA 79 specification. Custom designs are available.



Ease of cleaning is a major plus for short production runs and frequent color changes.

The screen and screen cradle drop down and pull out for complete and simplified access for thorough cleaning.



Cumberland gives you a choice of three different discharge options:

- 1) metal bins (std.)
- 2) vacuum bins
- 3) airveyors

The standard base discharge is a low-profile, sound-attenuating design with poly casters for easy mobility.

Versatile Standard Features

Hopper

- Multi-feed
- Sound-attenuated
- Hand, robot or conveyor operation

Cutting Chamber

- Tangential design, 2 bed knives
- Machined, bolted and doweled
- Fully sound-attenuated to approximately 75-80 dBA

3-Knife Rotor

- Open-scooped with rotating end discs

Rotor and Bed Knives

- HCHC/D2 OEM manufactured
- Proprietary process

Removable Pivoting

- Drop-Down Screen
- 1/4" standard; 3/16", 5/16", 3/8" and other sizes available

Standard Metal Bin

- Discharge

5 HP TEFC Motor

- and Solid Flywheel Drive

Quick-Release Hand

- Knob Access