

17 Series

GRANULATORS

Models: **UDG17-22 (7x9)**
 UDG17-38 (7x15)

17 Series granulators are ideal for closed loop beside-the-press recycling of runners and small parts fed by robot or conveyor. These quiet, energy-efficient granulators produce quality regrind with low rotor speed and high angle, scissor-type cutting. 17 Series are also ideal for small machine blow molded scrap as they feature a tangential feed cutting chamber, open rotor with scooped design, solid flywheel, and may be configured with an optional machine mounted blower evacuation system. Throughput rates up to 150 lbs/hr (68 kg/hr).



Standard Specifications & Features

- 3-Blade Open Rotor with Adjustable Rotary Knives and Knife Gap Adjustment Fixture.
- Bolt and Dowel Construction for High Precision, Durability.
- 2.2KW (3HP) 4P motor-250 RPM rotor speed.
- Belt drive with solid flywheel rotor pulley.
- Reversible, stainless steel screen.
- Highest safety standards with interlocked safety switches, disconnect, e-stop.
- Easy opening and cleaning.
- 460/3/60 volts.

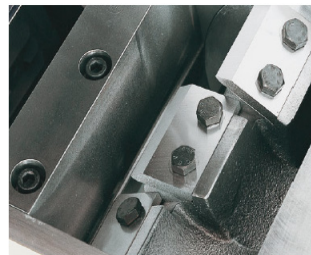
Configuration Options:

- Solid staggered rotor in lieu of 3 blade open rotor. Includes 6P motor-160 RPM rotor speed in lieu of standard motor.
- Motor 4 KW (5.5HP) 4 poles 250 RPM.
- Motor 2.2 KW (3HP) 6 poles 160 RPM.
- Sound enclosure for base of the machine.
- Rotary paddle level sensor for regrind collection bin with visual and audible alarms.
- Wear-resistant cutting chamber, NIPLOY treatment.
- Raised Base with Enlarged Higher Capacity Vacuum Bin.

*3K Open Rotor
Standard*



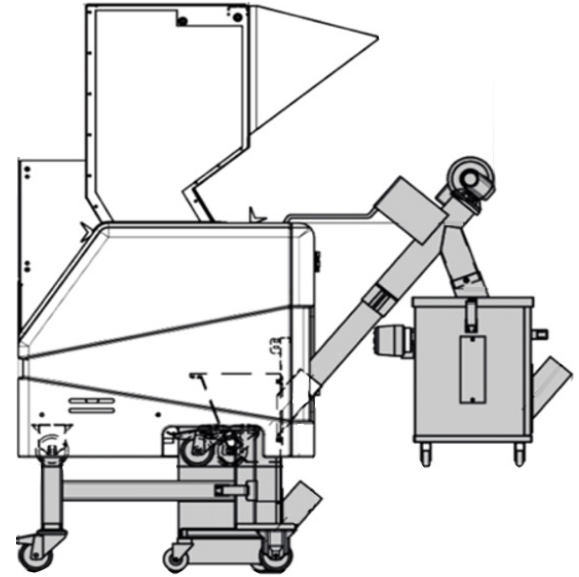
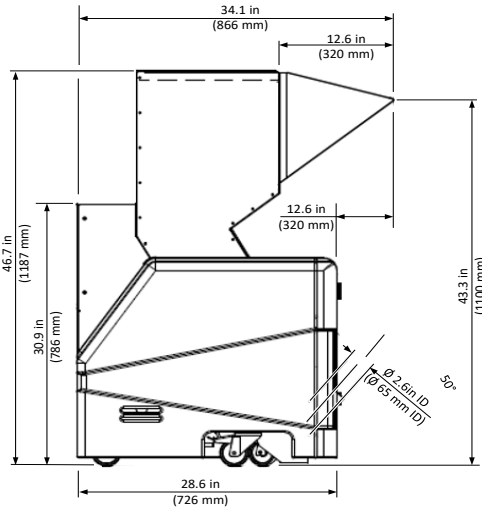
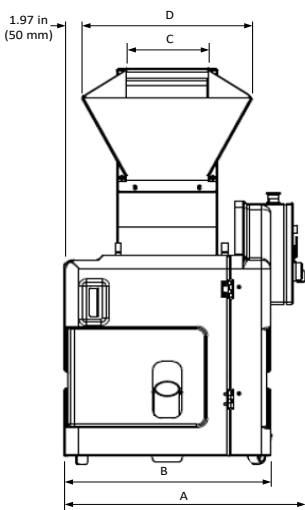
*Solid Staggered Rotor
(Optional)*



Accessories:

- Air conveyor kit with sound enclosure 0.37KW (0.5 HP)
- Auger evacuation systems, 2.5" dia. Choice of 45.3", 31.5", 23.5" discharge height
- Vacuum outlet tube choice of 1.5" or 2" dia.
- Fines separation system



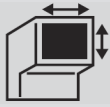









Picture shown with optional high base and auger evacuation system

Dimensions & Specifications:

		A	B	C	D
UDG17-22	in	26.6	22.6	9.1	18.7
	mm	675	575	230	475
UDG17-38	in	32.5	28.5	15.0	24.6
	mm	825	725	380	625

Dimensions & Specifications:

								
	in / mm	Number of Rotating Blades	Number of Stationary Blades	Rotor Dia. in / mm	Rotor Speed RPM Std. (Optional)	Motor HP / KW Std. (optional)	Screen Hole Dia. in / mm	Avg. Throughput lbs/hr / (kg/hr)*
UDG17-22	12.9 x 12.4	3 (9**)	2	6.7	250 (160)	3.0 (5.4)	3/16 (5/32, 1/4)	50 - 100
	327 x 315			170		2.2 (4.0)	5 (4, 6)	23 - 45
UDG17-38	12.9 x 18.3	3 (15**)	2	6.7	250 (160)	3.0 (5.4)	3/16 (5/32, 1/4)	100 - 150
	327 x 465			170		2.2 (4.0)	5 (4, 6)	45 - 68

Most Efficient Cutting:

- Adjustable Rotating Knives for Tightest Gap Possible, Constant Cutting Circle.
- Knife Gap Pre-adjustment Fixture for Fast, Easy and Accurate Knife Changes.
- High Angle Approach Between Rotating and Stationary Blades for More Efficient Cutting Action, Less Heat Generation, and High Quality Regrind
- Feed Hopper Design and Scooped Rotor Design for a More Positive Ingestion of Bulky Parts
- Low RPM High Torque Motors for Lower Energy Consumption, Lower Sound Levels, Less Wear, and Less Fines/Dust
- Massive Solid Flywheel Provides Additional Inertia
- Heavy Duty Screen Cradle Support Allows for Thinner Screen Making it Easier for Regrind to Pass Through

Safety:

- CE Certified; IP Electrical Cabinet
- An Electronic Board Constantly Controls all Security Switches and Wiring.
- In Case of any Malfunctioning it Stops the Granulator and Displays the Failed Component.
- Safety Switches for Feed Hopper and Screen Cradle.

* Average throughput depends on part size and shape, material type, method of feeding, method of regrind evacuation, screen size.

** Staggered rotor option.