

25 Series

GRANULATORS

Models: UDG25-30 (10x12)
UDG25-45 (10x18)

25 Series granulators are an ideal general purpose granulator for beside-the-machine processing of injection, blow molding, and extrusion scrap. These quiet, energy efficient granulators produce quality regrind due to low rotor speed, high angle cutting action, and rotating end disks. These compact models feature tangential feed cutting chambers, scooped rotor design, at throughput rates up to 350 lbs/hr (158 kg/hr).



UDG25-30 pictured above.

Standard Specifications & Features:

- Adjustable Rotating Knives.
- Knife Gap Pre-Adjustment Fixture.
- Soundproof Hopper.
- Reversible Top Feed Chute Top or Front Feed.
- Medium Rotor Speed - 410 RPM.
- Belt drive with Solid Flywheel Rotor Pulley.
- 3 Knife Open Rotor with Rotating Lateral end Discs.
- Reversible Screen with Removable Screen Support.
- Regrind collection bin designed for Vacuum Evacuation.
- Highest Safety Standards with Interlocked Safety Switches, Disconnect, E-Stop.
- Easy Opening and Cleaning.
- 460/3/60 volts.

Configuration Options:

- Higher Horsepowers up to 10 HP for UDG25-30 and up to 15 HP for UDG25-45.
- Low RPM High Torque 6-Pole Motors for Reduced Rotor Speed.
- Sound Enclosure for Machine Base.
- Additional Side-Entry Hopper for Pipes/Profiles, 120x120 mm Inlet; Soundproofed.
- Additional Rear-Entry Hopper for Long, Wide and Relatively Flat Parts; Soundproofed.
- Wear Resistant Cutting Chamber, NIPLOY treatment.
- High Level Sensor (Rotary Paddle Type) for Regrind Collection Bin.



*3K Open Rotor
Standard*



*Solid Staggered Rotor
(Optional)*

Accessories:

- Negative Pressure Pneumatic Evacuation System for Clean, Quiet Continuous Evacuation of Regrind.
- Pneumatic Evacuation System, Machine-Mounted Blower.
- Belt Feed Conveyors with Amp Feedback Control.
- Fines Separation System.



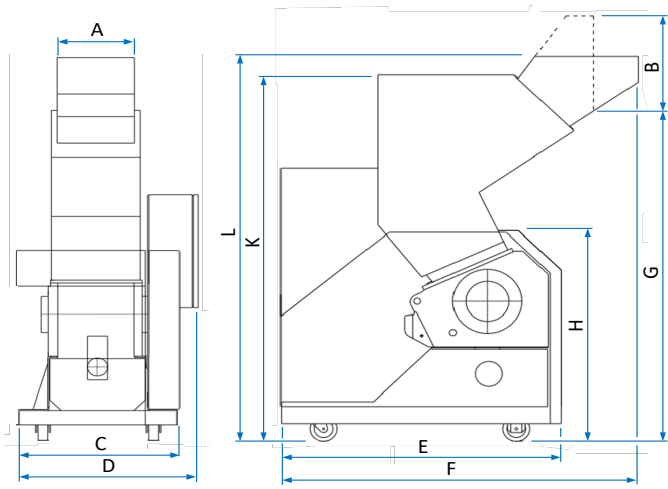
Piovan Group

TB-G25 Granulator

Rev: A

Effective Date: 02/04/2021

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Picture shown with optional sound enclosure and machine-mounted blower evacuation system.

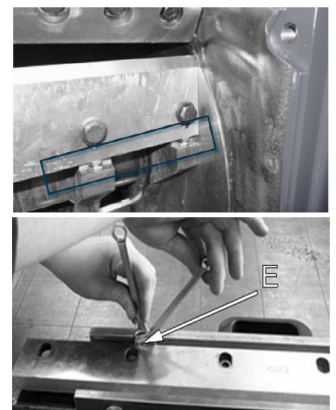


Dimensions & Specifications:											
		A	B	C	D	E	F	G	H	K	L
UDG 25-30	in	12.2	15.0	26.0	29.1	40.7	51.9	51.8	32.9	57.5	60.2
	mm	311	380	660	740	1035	1318	1315	835	1460	1530
UDG 25-45	in	18.0	15.0	31.7	34.8	40.7	51.9	51.8	32.9	57.5	60.2
	mm	457	380	805	885	1035	1318	1315	835	1460	1530

Dimensions & Specifications:							
	in / mm	Number of Rotating Blades	Number of Stationary Blades	Rotor Speed RPM Std. (Optional)	Motor HP / KW Std. (Optional)	Screen Hole Dia. in / mm	Avg. Throughput lbs/hr / (kg/hr)*
UDG25-30	15 x 12.3	3 (12**)	2	410 (215)	5.5 (7.5, 10)	5/16 (1/4, 3/8)	150-250
	380 x 311				4 (5.5, 7.5)	8 (6, 10)	68 - 113
UDG25-45	15 x 18	3 (18**)	2	410 (215)	7.5 (10, 15)	5/16 (1/4, 3/8)	250-350
	380 x 457				5.5 (7.5, 11)	8 (6, 10)	113 - 158

Adjustable Rotary Knives:

- Allows for constant cutting circle, maintaining optimal distance between rotor knives and screen after the knives have been sharpened;
- Allows for smallest knife gap possible for highest quality regrind, reduced power consumption, reduced heat generation and highest throughput.
- Allows for longer knife life by allowing for the minimal amount of material to be taken from each knife when re-sharpening. Knives do not have to be sharpened as a set as each knife is gapped independently of the other.
- Knife gap adjustment fixture for easy and accurate gap adjustment outside of the unit.



Most Efficient Cutting:

- High-angle approach between rotating and stationary knives 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 fine/dust.
- Massive solid flywheel provides for additional inertia.
- Heavy duty screen cradle support allows for thinner screen, making it easier for regrind to pass through, less screen hole plugging, higher throughput, and higher quality regrind with less fines/dust.

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

** Staggered rotor option.