

# 17 Series

## GRANULATORS

**Models;**    **UDN17-22 (7x9)**  
                  **UDN17-30 (7x12)**  
                  **UDN17-38 (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 from 65 to 200 lbs/hr (30 to 90 kg/hr).

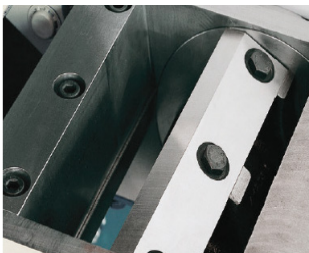


**With Optional Sound Enclosure**

### Standard Specifications & Features:

- 2.2KW (3HP) 4P Motor-250 RPM Rotor Speed,
- Reversible Soundproofed Hopper and Reversible Top Feed Chute for flexibility
- Belt Drive with Solid Flywheel Rotor Pulley
- Automatic Belt Tensioner
- Rotating Lateral End Discs
- Reversible, Stainless Steel Screen
- Highest Safety Standards with Interlocked safety switches, Disconnect, E-Stop, and grated screen support
- Quick Opening and Easy Cleaning
- 460/3/60 Volts

3K Open Rotor  
Standard



Solid Staggered Rotor  
(Optional)



### 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
- Rotary Level Sensor for Regrind Collection Bin – No Alarms, Stops Motor Only
- Special Vertically Integrated Feed Hopper for Long Parts, Runners, Pipe or Profiles, 69" Feed Height, Suitable for Robot Feeding of Large Runners.
- Low Profile Hopper with 31.5" Overall Height
- Wear Resistant Cutting Chamber, NIPLOY Treatment

### 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" Diameter
- Fines Separation System

# Una-Dyn

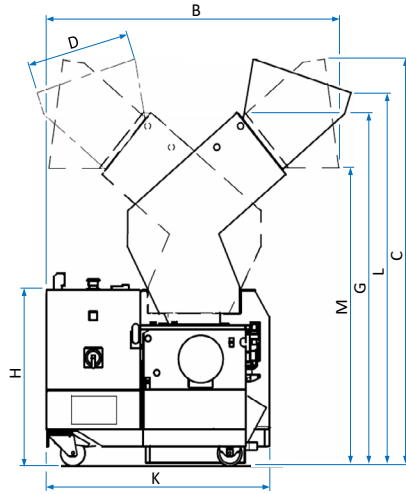
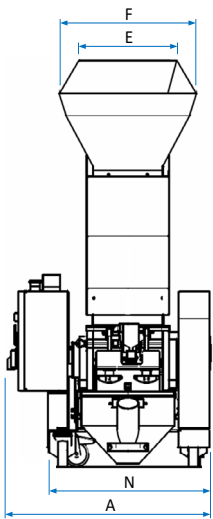
A Plován Company

TB-N17 Granulator

Rev: A

Effective Date: 07/17/2017

[www.unadyn.com](http://www.unadyn.com)



With Optional  
Sound Enclosure and  
Machine Mounted  
Blower Evacuation  
System

Dimensions and Specifications:													
		A	B	C	D	E	F	G	H	K	L	M	N
UDN17-22	in	25.6	38.7	48.6	12.9	12.4	17.4	42.2	21.1	28.3	44.6	35.7	20.7
	mm	649	982	1234	327	315	443	1071	535	720	1132	906	526
UDN17-30	in	25.6	38.7	48.6	12.9	15.4	20.4	42.2	21.1	28.3	44.6	35.7	23.8
	mm	649	982	1234	327	390	518	1071	535	720	1132	906	605
UDN17-38	in	28.5	38.7	48.6	12.9	18.3	23.3	42.2	21.1	28.3	44.6	35.7	26.6
	mm	724	982	1234	327	465	593	1071	535	720	1132	906	675

Dimensions and 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)*
UDN17-22	12.9 x 12.4	3 (9**)	2	6.7	250 (160)	3.0 (5.4)	3/16 (5/32, 1/4)	66 - 110
	327 x 315			170		2.2 (4.0)	5 (4, 6)	30 - 50
UDN17-30	12.9 x 15.4	3 (12**)	2	6.7	250 (160)	3.0 (5.4)	3/16 (5/32, 1/4)	88 - 154
	327 X 390			170		2.2 (4.0)	5 (4, 6)	40 - 70
UDN17-38	12.9 x 18.3	3 (15**)	2	6.7	250 (160)	3.0 (5.4)	3/16 (5/32, 1/4)	110 - 198
	327 x 465			170		2.2 (4.0)	5 (4, 6)	50 - 90

### Most Efficient Cutting:

- 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
- An Electric Board Constantly Controls all Security Switches and Wiring
- In Case of any Malfunctioning it Stops the Granulator and Displays the Failed Component.
- Screen cradle with grate design to prevent access to the cutting chamber even if screen is left out
- 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.