

# 60 Series

## GRANULATORS

**Models:**     **UDN60-100 (24x40)**  
                  **UDS60-160 (24x63)**

60 Series granulators are designed for efficient size reduction of plastic and waste. They are ideal for heavy-duty applications, beside-the-machine processing of injection, blow molding, extrusion scrap and general purpose applications. These energy efficient granulators produce quality regrind with high angle cutting action, Twin Shear design rotor and rotating end disks. Three different rotor styles – all with Twin Shear rotor design and Adjustable Rotating knives, at throughput rates up to 6000 bs/hr.



*Twin Shear Rotor*



*Bolt & Dowel Construction*

### **Standard Specifications & Features:**

- Front feed hopper, suitable for manual or conveyor belt loading, not sound reduced as a standard.
- Protection flaps unit to reduce sound levels and chance of regrind fly-back (3 flaps total).
- Hydraulic jack to open and close the feed hopper and screen cradle.
- All cutting chamber components are bolt and dowel construction for precision cutting and easy replacement in the event of wear.
- The cutting chamber is equipped with wear resistant side plates.
- V-belt driven rotor with a large diameter massive rotor pulley.
- 3 Blade Open Scooped Rotor, Twin Shear or Herringbone design with two blades counter angled across for most efficient scissor type cut; Adjustable Rotor Knives.
- Rotor movement sensor for safe and easy access for cleanout or maintenance, complying with the new C.E. security norms.
- Two (2+2) bed knives, reversible.
- All knives are H.C.H.C steel, (56-58 HRC)
- Front opening screen cradle, hydraulically driven for easy cleaning, with removable and reversible screen.
- Regrind transition designed for air conveying system
- Granulator assembled on six (6) adjustable vibration isolation pads
- Low voltage push-button controls and safety interlocks
- Independent IP55 electric cabinet, built according to the latest CE norms, with Prevent electrical safety control unit.
- Granulator Sound Control Package – Sound cabin available as an option.



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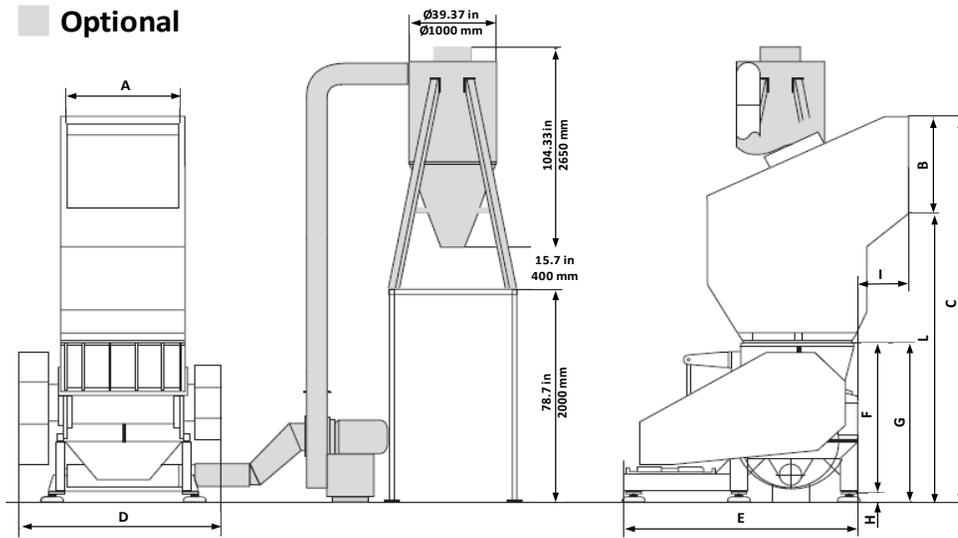
TB-UDN60-UDS60 Series Granulator

Rev: A

Effective Date: 11/07/2021

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**Optional**

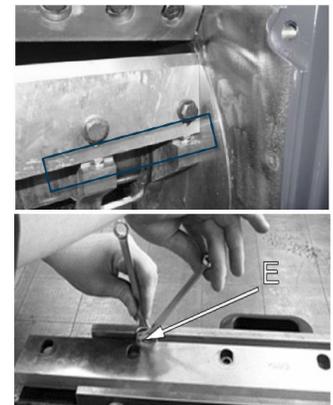


Dimensions & Specifications:											
		A	B	C	D	E	F	G	H	I	L
UDN60-100	in	40.0	32.5	143.7	71.5	83.7	55.7	59.6	3.9	16.7	108.9
	mm	1016	825	3650	1815	2125	1415	1515	100	425	2765
UDN60-160	in	62.6	32.5	143.7	94.1	83.7	55.7	59.6	3.9	16.7	108.9
	mm	1590	825	3650	2390	2125	1415	1515	100	425	2765

Dimensions & Specifications:								
	in / mm	Number of Rotating Blades	Number of Stationary Blades	Rotor Diameter in / mm	Rotor Speed RPM Std. (Optional)	Motor HP / KW Std. (Optional)	Screen Hole Dia. in / mm	Avg. Throughput lbs/hr / (kg/hr)*
UDN60-100	32.5 x 41.7	3 (7)	2	24.0	450	60 (75, 100)	5/16	2200 - 3090
	825 x 1060			609		55 (75, 90, 110)	10	1000 - 1400
UDS60-160	32.5 x 62.6	3 (7)	2	24.0	450	75 (100)	5/16	3300 - 4630
	825 x 1590			609		75 (90, 110, 130)	10	1500 - 2100

**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; and
- 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;
- Twin Shear Herringbone Rotor Design for double Angle Scissors Cutting Action.
- 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.