

# RUGGED INDUSTRIAL GRANULATORS



# ADVANCE DESIGN AND ENGINEERING IN EVERY GRANULATOR

## Granulators are Built to Handle The Most Severe Application

For over 70 years, our rugged granulators have been designed and constructed using the heaviest duty components available. From the fabricated steel base to the solid forged rotors, all of Jordan's Granulator Components are engineered and constructed to handle your most rugged applications with long term reliability.

### Rotors

Granulators are equipped with the heaviest, strongest granulator rotor available in the industry. Constructed from solid steel forgings, our rugged, solid rotor design provides the rotating knives with maximum bearing support, preventing knife deflection during the cutting process. The solid rotor design also eliminates the potential for weld fatigue cracking, a major concern when welding knife support holders directly to the rotor shaft. Knife deflection and weld fatigue cracking are common problems with lesser quality rotors.



### Knives

Constructed from high alloy hardened steel, our double edged knives provide superior service in any application with an added bonus of "double" service life between sharpenings. Knives are also designed for easy access and adjustment during routine servicing.

### Partial Granulator Customer List

- TOOL CHEMICAL
- HEWLETT PACKARD
- GENERAL ELECTRIC
- WHIRLPOOL
- CHEVROLET
- FORD
- FISHER BODY
- PHILLIP MORRIS
- BRISTOL-MYERS
- RUBBERMAID
- ROXANNE LABS
- VIRGINIA ELECTRIC POWER
- REYNOLDS METALS
- CIBA GIEGY

**Top:** Safety interlocks prevent operation when hoppers or access doors are open for maintenance. Heavy-duty bearings provide long trouble-free performance.

**Left:** The throat opening of the Jordan Granulator. Note the heavy-duty support for the knife along its entire length. This support prevents deflection of knife during cutting process.

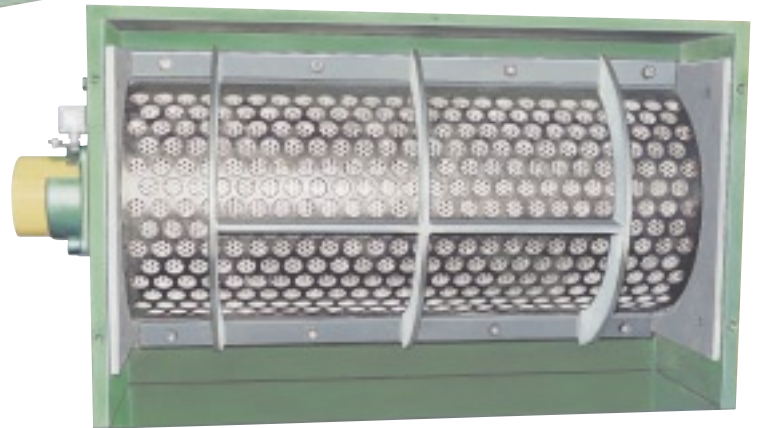
**Right:** With the screen and guard removed, access to the knives for changing or cleaning is easily accomplished.





*Designed to meet customer requirements, this 16 x 35 Jordan Reduction Granulator is equipped with a 50HP Drive Motor, special infeed hopper, and an air discharge system.*

*Simple access from the front of the Granulator insures easy cleaning and screen changes.*



## Screens

Designed for easy and convenient access, the granulator screens can be quickly removed to allow for clean out between color changes, or replaced when a new end product size is required.



**When we “Sound Condition” a Jordan Granulator, we build an isolation room to fit.**

To reduce the cost of a separate isolation room located away from the line, the engineers took the approach of fitting the granulator into a custom tailored housing. Not only is it possible to locate a compact “Sound Conditioned” unit right on the line where it is needed, but it is also possible to eliminate many material handling problems and expenses.

These “Sound Conditioned” granulators meet OSHA’s specifications for on-line equipment where operating personnel are subject to continuous noise exposure.

# GRANULATOR SPECIFICATIONS AND APPLICATIONS

## SPECIFICATIONS

MODEL NO.	8" x 10"	10" x 12"	14" x 20"	16" x 35"
A	58"	71½"	80¾"	81½"
B	22"	31¼"	41"	57"
C	20"	24¾"	36"	57"
Throat opening	8" x 10"	10" x 12"	14" x 20"	16" x 35"
Stationary Knives	2	2	2	2
Rotating Knives	2	2 or 3	2 or 3	2 or 3
Length of Knives	10¼"	12¼"	20¼"	35⅞"
Rotor Diameter	8½"	11"	14"	14"
Screen Sizes	various	various	various	various
Screen Area	140 sq. in.	160 sq. in.	365 sq. in.	638 sq. in.
Castor mount option	yes	yes	yes	yes
Type of Drive	V-Belt	V-Belt	V-Belt	V-Belt
Motor (HP available)	5	7½, 10	10, 15, 20, 25	40, 50, 75
Air Discharge option	yes	yes	yes	yes

## APPLICATIONS

Plastics – Light to medium size purgings

Plastics – Rejected parts or pieces

Security Destruction

Paper

Lottery tickets

Dry Bleach

Pharmaceuticals

Medical Waste

Foam

Auto Trim

Acoustic Tiles

Processed Rubber

Glass

Fiberglass

Rock Wool

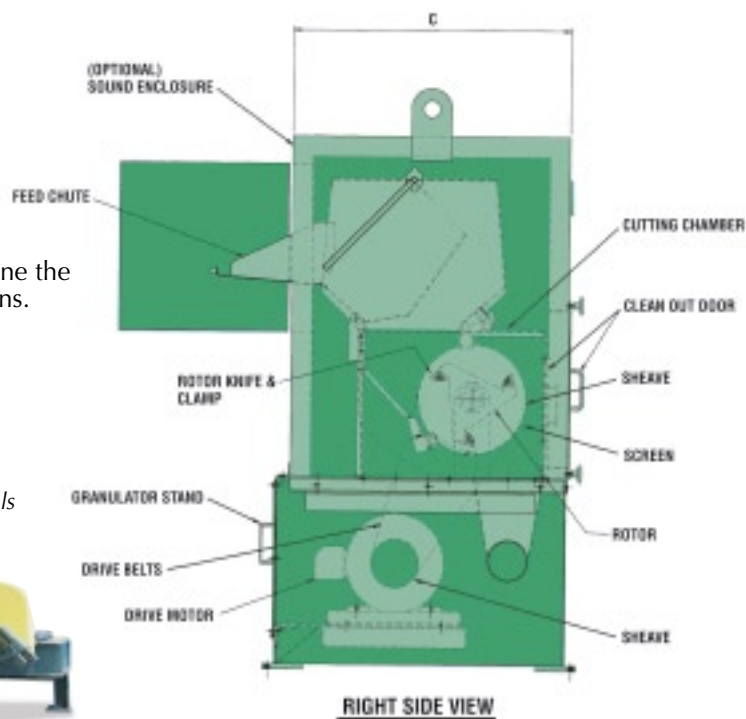
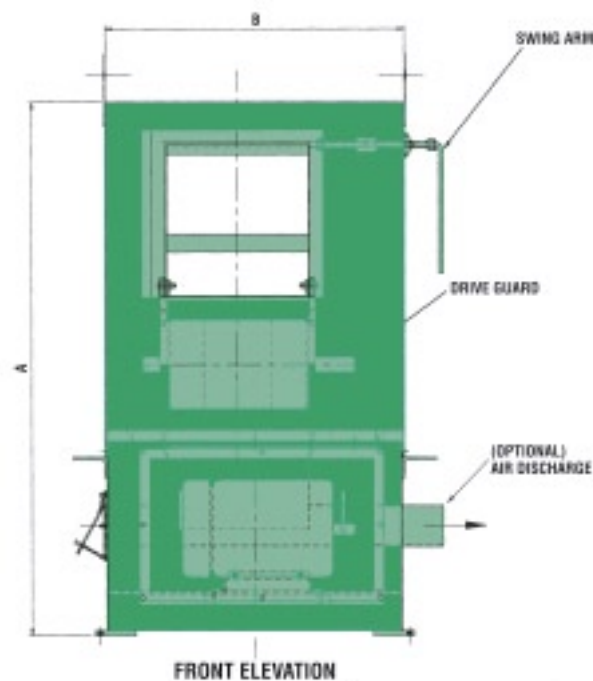
Cardboard

Textiles

Brake Linings

## We can lab test your material

Send us your material. Our experienced engineers will determine the type and size of equipment required to satisfy your specifications.



## Systems with Control Logic

Sometimes the amount and characteristics of materials require a unique system. This system is composed of a mid-size shredder, which operates at low speed and high torque, starting the reduction process by reducing the material into uniform strips. The conveyor carries the material to the knife hog, operating at high speeds, reducing the material to crumb or powder with the appropriate screen size. This system was designed to reduce and reclaim rubber scrap, generated from a manufacturer providing components for the automotive industry. All systems are designed with a control logic which monitors the overall performance of the equipment.