



RUBBER BALE GRANULATOR SYSTEM

OPEN ROTOR DESIGN
ALLOWS RUBBER
BALES TO BE CUT
INTO CHUNKS
KEEPING TEMPS LOW



JACOBSON 2100 RUBBER BALE GRANULATOR

The Jacobson 2100 Rubber Bale Granulator System reduces an entire bale of rubber into particles as small as 1/4".

It accepts whole bales of natural or synthetic rubber and processes them in one step. No pre-cutting or guillotine-cutting is necessary.

During the granulating process, a dry talc partitioning agent is applied to the particles to prevent re-agglomeration. This is done at the optimum rate without variation or stratification. The excess dry partitioning agent can be collected for reuse.

REDUCE OPERATING COSTS

The Jacobson system uses stationary and rotating knives, combined with an efficient pneumatic conveying system to reduce energy costs per ton.

While other machines twist, tear and contort the rubber, resulting in high heat buildup and inconsistent, large-size particles, the Jacobson system continuously slices the rubber, and uses air to cool and carry the particles through the system with minimum resistance.

This unique granulating system from Jacobson addresses the need to produce finer particles of rubber from bales without unnecessary heat build-up and the excessive energy costs which typically accompany less efficient technology.

**SMALLER GRANULES
LESS HEAT
MORE PROFITABLE**

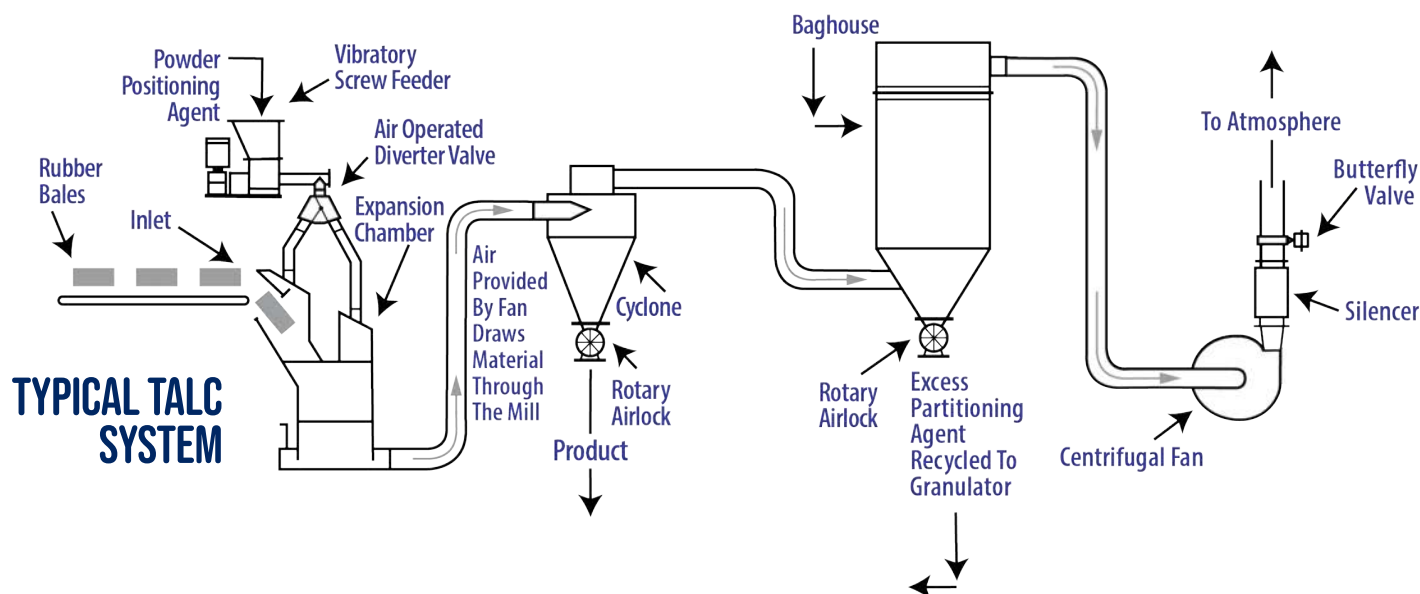
The rubber is sliced by the knives until the particle size is sufficiently reduced to be drawn through a sizing screen. No forcing. No excess heat buildup.

FASTER PROCESSING

Whole rubber bales are metered into the system one at a time. Total granulation of each bale takes about 1 1/2 to 2 minutes when processing down to 1/4", giving you the capacity to process up to 3000 pounds per hour*.

*Anticipated capacity with 100 H.P. motor. Greater capacities would result when producing granules larger than 1/4". There are a variety of screen sizes available, depending on your material and production needs.





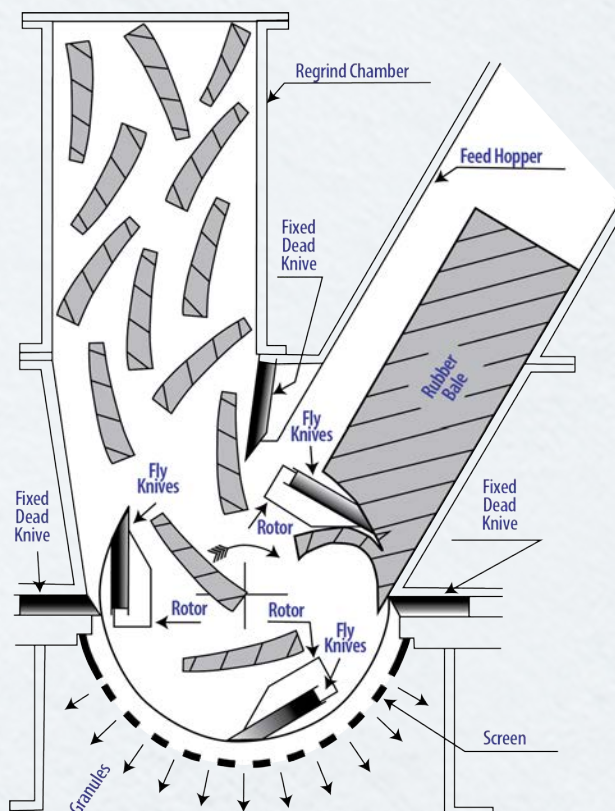
SYSTEM COMPONENTS

- Jacobson 2100 Rubber Bale Granulator
- Infeed Conveyor (for bales)
- Partitioning Agent Metering System
- Product Collecting Cyclone with Rotary and Valve
- Filter Receiver
- Main System Fan
- Talc Return Fan
- PLC Controls and Starters

**Bale size CAN NOT exceed
6" Tall or 18" Wide**

FLY & DEAD KNIVES

- Three fly knives are mounted on the rotor; they are adjustable and can be re-sharpened.
- Dead knives are included in the assembly and can also be sharpened and adjusted.
- Proper clearance, sharpening, and adjustment are critical for high-quality granulation.
- Recommended knife gap is typically 0.006–0.010 inch.



UTILITIES

Connected horsepower would be approximately 130 HP. The only additional required utility is a small amount of compressed air for the filter and diverter valve.

MAINTENANCE

The Jacobson 2100 Bale Granulator is designed to facilitate maintenance. The upper housing is hinged to allow access to the cutting chamber. The housing is lifted by manual rack and pinion jack or hydraulic lift. Similarly, the bottom housing is hinged to provide easy access to the sizing screen. Various other system components are also designed with this same quick breakdown feature, allowing ease of cleanout.

DEMONSTRATION

A complete bale granulator system, capable of processing whole bales, is assembled in the Carter Day Jacobson lab. Demonstrations for your company are possible using solid partitioning agents.

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