TIRE PROCESSING W/ YOUR HOGZILLA TUB GRINDER

Your New or Existing HogZilla Tub Grinder

Can be Equipped With a Tire Processing Package as a Bolt-In OPTION

SCRAP TIRE PROCESSING WITH A HOGZILLA TUB GRINDER

A HogZilla tub grinder can be used to prepare large quantities of tires for disposal in one pass. This machine can also be used as a high production primary shredder in recycling processes.

In comparison to other tire processing machinery, a HogZilla tub grinder offers many advantages.

- Very high production rates can be achieved economically with a low cost per processed tire.
- The processing is done by a proven heavy-duty design with a history of handling the most difficult grinding applications.
- Maintenance is easy.
- Hand sorting and feeding is not required to load grindable tires into grinder.
- Tires do not need to be lined up and fed in one at a time.
- The machine is loaded w/ a grapple or bucket loader while being controlled by wireless remote, requiring only one operator.
- The machine is capable of processing large tires, and a mix of small and large tires can be processed together.
- The machine is capable of loading processed material direct into trucks and containers with its stacking elevator.
- Most HogZilla tub grinders are portable & mounted to a 5th wheel trailer frame but can be ordered w/ tracks or a stationary mount.
- Mobility is refined for quick set up and easy transport.
- Versatility is maximized with the machine's ability to grind many products (stumps, logs, tires, and many other tough materials).
- Resale is also maximized with a proven name and the machine's marketability to other applications.

NOTE: *Acceptable disposal and other end use requirements are regulated, and regulations may dictate acceptability of product.*

NOTE: *Processable tire size is limited to tires that fit into the tub barrel and properly feed which requires a full tub. Large tires may require being mixed with smaller tires to properly fill the tub and allow proper feeding.*

NOTE: *Other methods of screening and classifying discharged material are available through the use of added support equipment intended for this purpose.*

PRIMARY GRIND

Primary Grind: End Product Sample of a mix of Passenger Car and Truck Tires Processed through 6" Screens with 2" wide Tips.
(Change Screen to Regrind as shown on left)

(footprint to compare size)

- **Whether you plan to process 100% tires with no intention of grinding wood or 100% wood with an interest in possibly doing a few tire jobs on the side, a HogZilla tub grinder with a tire processing attachment is a great investment. Not only will it process your necessary wood or tire applications, it will allow flexibility to switch from one to the other when needed.**
- **Material sizes may vary with different tire mix and different sized screens and tips.**
- **A variety of different size & different shaped screens are available along with a variety of tire packages for different sized tips.**

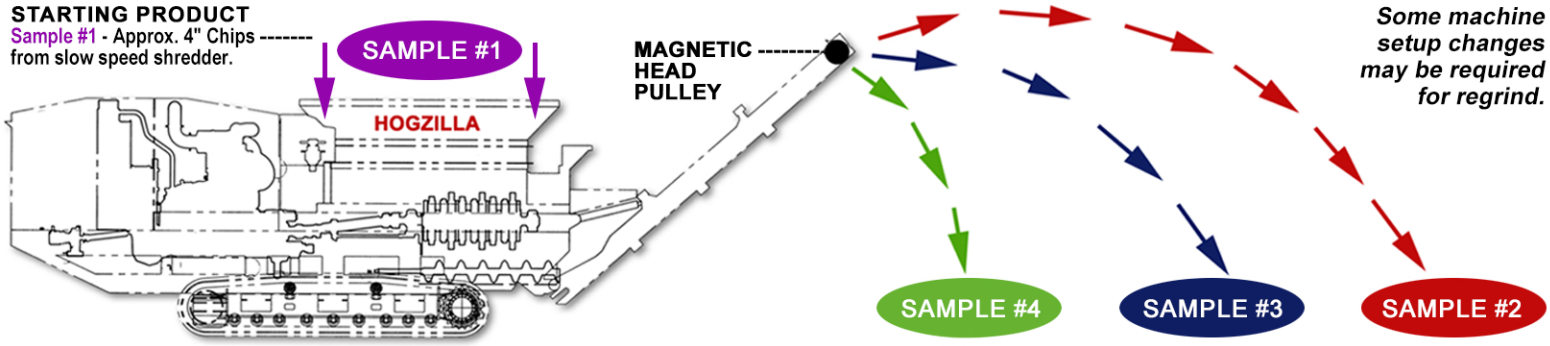
*Production Rates**

For Most 1000HP Machines - *Approx. 1,500 passenger car tires per hour ground through 6" screens*
For Most 700HP Machines - *Approx. 800 passenger car tires per hour ground through 6" screens*

- Smaller material sizing is available. Rates will vary for truck, tractor and other types of tires.
- Certain special application tires, such as tires with molded in rims, some aviation tires with very heavy bead wire and other tires with very high metal content are not grindable and will require being sorted out.
- For lubrication & cooling, water injection is required with the input of all tire material to be ground.

* Any stated production information is estimated and is subject to variables that may fluctuate. Machine configurations include performance options that are changeable, and the actual materials being processed may differ resulting in actual production variations. Other production variables include user-based circumstances such as specific job site set up, material input procedures, and operational setting adjustments.

REGRIND SEPARATION PROCESS USING A BELT MAGNET



Sample #1 is a primary grind from a Shredder. Sample's #2, 3 & 4 are from a secondary grind with a HogZilla Grinder through 1 ¼" Screens. Samples 2-4 were easily separated because of the weight of the material that was coming off of the elevator as sample #1 was reground. As shown above, as material traveled off of the elevator, the 1" rubber chips (sample #2) landed in one pile. It was thrown off the elevator further because of the heavier weight. Sample #3, a mix of metal, nylon & rubber was not as heavy so did not travel as far off the elevator. Sample #4, clean wire, was pulled below the elevator after being collected by the magnetic head pulley.

Sample #1 - Approx. 4" chips from Slow Speed Primary Shredder.

Sample #2 - Approx. 1" chip 90% metal free through 1 ¼" screens.

Sample #3 - Through 1 ¼" screen. Can be reground to remove more metal. Result is Fluff (Metal, Nylon & Rubber Mix).

Sample #4 - Clean wire through 1 ¼" screen.

(A stick of chewing gum is included in each photo to reference size.)

PROCESSED TIRE MATERIAL CHARACTERISTICS

Processing tires through grinding has been found to be a very economical way to reduce the transportation and handling expense associated with tires, and it has proven to be a high production primary shredder. Large volumes of tires can be processed in a single pass preparing the material for disposal, tire derived fuel, or for aggregate markets depending on exact specifications.

The tire material processed through a tub grinder varies with the types of tires that are being ground. The concentration of wire and nylon cord from within the whole tires will directly relate to the amount of wire and nylon fragments in the processed product. The processed material is normally a mix of different sized pieces. With larger screens, it is typical to see some larger slab-like tire pieces that are a little larger than the mill and screen openings used to size the material. It is also typical to have "fines" which would consist of small bits of wire, nylon fluff, and rubber ground down to a powder. The bulk of the processed material will be in various sizes between the size of the larger shreds and small fines. A more consistent run of smaller pieces can be created with smaller screens.

Most processed product that comes from the areas of a tire that originally had wire in it such as the steel belt or the bead will have protruding wire strands. Through processing, it is also possible for some wire to completely separate from the rubber. This will be seen in the discharged material as various length wire strands. In many processes, the bulk of the wire comes out as mixed wire strands within the processed rubber material. In some processes, it is possible for a mass of wire to roll together and create a loosely compacted wire ball that may be larger than a soccer ball as it comes out on the conveyor system. The amount of wire discharged is directly related to the amount of wire in the tires being processed. Large amounts of discharged wire are possible when processing tires that contain a large amount of wire, such as over the road truck tires.

Methods of secondary processing and metal separation are available to further refine the material and to remove most of the wire, but further refining may require additional equipment.

Detailed product specification requirements may also dictate additional equipment needs. Contact the factory for a process review.

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