

As the support base for your rotary drum, tires and trunnion wheels bear the full weight of the drum, and therefore, must be maintained to ensure efficient operation. Problems starting in the drum base can quickly make their way to other areas, causing major damage.

### WHY DO I NEED TIRE GRINDING?

Over time, through normal wear and tear, tires and trunnion wheels can become worn, resulting in pitting, spalling, timing marks, and other undesirable characteristics. If left untreated, worn load-bearing surfaces can cause the weight of the drum to be distributed unevenly. This can affect other drum components, resulting in serious damage and downtime, and in some cases, premature equipment failure.

Tire grinding is a service offered to restore the face of these load-bearing surfaces, and is a cost-effective alternative to replacement. Tire grinding works by grinding down the surface of the tire face to restore it to a **like-new condition**.

### SIGNS IT'S TIME FOR TIRE GRINDING

Operators should **routinely examine load-bearing surfaces** for signs of wear. The following conditions on tires, trunnion wheels, or thrust rollers are indications that it's time for resurfacing:

- *Chattering or vibrational noises (caused by uneven wear)*
- *Pitting (an orange peel-like appearance)*
- *Spalling*
- *Rolled Over Edges*
- *Timing Marks*
- *Ridges*
- *Taper Wear*
- *Washboarding*

Reconditioning these worn surfaces ensures even weight distribution, allowing your rotary drum to run more efficiently and helping to extend the life of the equipment.

The need for tire grinding is also often an indication that the rotary drum has fallen out of alignment. The drum should be realigned to prevent the reoccurrence of wear on tires due to misalignment. The FEECO Aftermarket Engineering Team can realign your rotary drum quickly and accurately using our state-of-the-art laser tracking system.

**FEECO Aftermarket Engineers** are highly trained in refurbishing load-bearing surfaces on your rotary drums and can come to your facility to perform the operation. Often, these repairs can be done during production, with no downtime needed.

**Contact us today to learn more about tire grinding!**

