



Single, Double, Triple pair Roller-Grinder mills

Roller Mills and Grinders by Lone Star are built with the customer, operator, and service personnel in mind. Over a period of many years, we have worked on numerous brands of mills at different sizes and performing different functions. We have also listened to the customer to find out what is important to them in a roller mill. From this we have taken the good points, eliminated the bad points, and strengthened a few weak points we have found.

Some things that need to be seriously considered when building or buying a roller-grinder mill are:

- **Absolute control** of the moveable rolls. We have incorporated an adjustable slide system on the moveable rolls, so as the machine wears (which any movable part will) you can adjust for this wear; thus saving replacing costly parts years down the road.
- **Eccentric shaft collars and related parts** which are CNC machined giving a larger, more precise wear surface for longer durability. With our simple "push back" design, which keeps roll gap tolerance without costly automation.
- **Solid-Rigid frame.** Our frames are 1/2"-5/8" plate steel with roll slope pans welded on the inside of the frame and adjustable wear guides. This helps greatly on providing a rigid non-flexing frame with that will keep your rolls in parallel both directions.

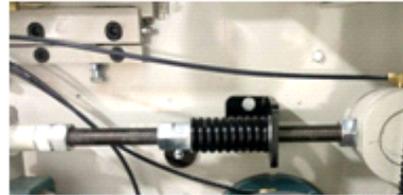


Figure 1 (looking from above a set of rolls)

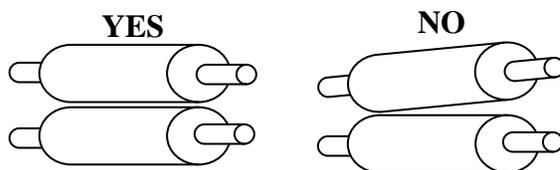
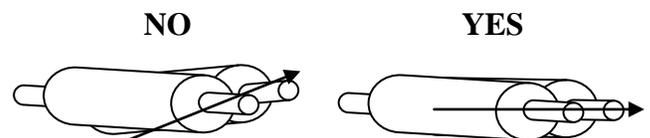
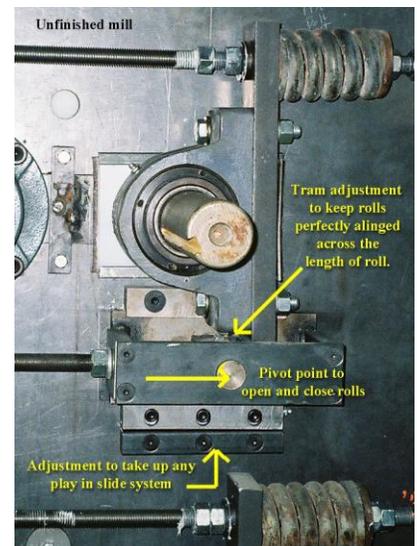


Figure 2 (side view a set of rolls)



- **Roll parallel control.** Our bearing assembly allows you to parallel the rolls as you see in figure 1 and also allows for you to "tram" the rolls as in figure 2. Thus, having vertical and horizontal parallel of the rolls. This allows the rolls to grind across the whole length of the roll surface increasing quality of the grind, capacity and longevity of the rolls.
- **Easy of maintenance and service.** All components that need to be greased are accessible externally. No guards to be removed to do regular maintenance. Belt's are easy to replace and tension. Rolls can be opened wide, with one handle, in a plug-up situation. Simple motor adjustment. Rarely are idlers needed for less maintenance.



Contact your sales rep for more information and pricing



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- **Automation and roll speed control.** With our mills you are able to:
 1. Automate your mill to monitor your motor amp draw, keeping the feeder roll running your roller mill at top capacity.
 2. Add a simple VFD to control fines in your crack(large grain)/crimp(small grain) by running the rolls at a 1:1 ratio.
 3. We can also help the smaller operators with automated systems!

Single mill-

Get a uniform crack or crimp for large or small grain, depending on the roll corrugation. Running at a 1:1 differential at a higher rpm (allowed by quality balanced rolls) than most other single pair manufacturers allows for a greater capacity from the same size mill.

Double mill-

Process many different products with one roller mill. From cracking corn for cattle feed, crimping small grain, down to grinding 600-700± micron.

Triple mill advantages-

Triples will process many different products with one roller mill when paired with the correct controls, corrugations and ratios. From cracking corn for cattle feed, crimping small grain, all the way down to grinding 500± micron hog feed; the triple allows the most versatility. Triple mills can also have more capacity over the double mills with the same size rolls.

Whatever your budget or needs entail, Lone Star Enterprises, Inc. is happy to work with you to provide you with the machine you require.



These mills are built in South Dakota, by the same people who are out servicing these and other brands of mills. Our goal for many years has been to build a grinder that is tough, rugged, easy to service, understand, and operate.

High quality and performance is our mission!

(3) yr mill warranty, except for normal wear on parts (belts, rolls, etc) & damage caused by foreign debris.

Mfg warranty on all new electric components.

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