

BAR AND SHAFT HOPPER FEEDERS



MODEL 2220

The machine shown is equipped with a telescoping magazine ramp, a Model 1650-1-72" cross conveyor with ball bushing mountings. This machine is also equipped with non-mar cleat pads, magazine, conveyor belt and part guides. The unit is feeding a centerless grinder for semi-finish and finish grinding. Parts fed here are strut piston rods, machined and rough ground, 1/2", 5/8", 3/4" and 7/8" diameter, by 15" to 20" long. Hopper capacity is 1200 7/8" diameter parts. Feed rate was 200" per minute.

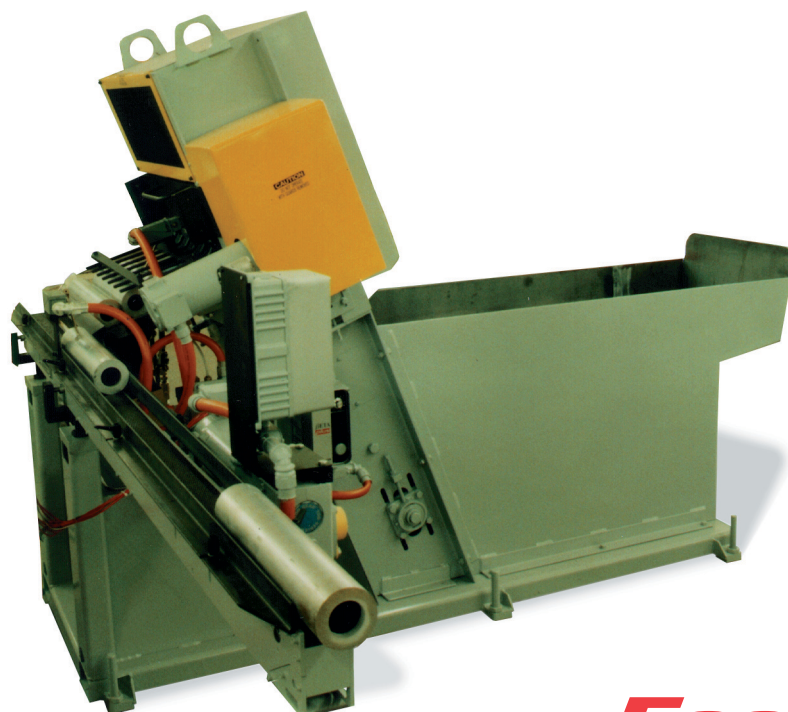


The Model 2220-2230 Hopper Feeders are designed to feed longer cut to length bars, tubes and machined parts 12" to 20" long (Model 2220) or up to 30" long (Model 2230) with diameter ranges within a 2 to 1 ratio. Parts are hand stacked, bundle loaded or with modifications to the hopper loaded from a conveyor from a previous operation. This type of feeder is very suitable for non-mar applications when parts are finished or in a pre-heat treated state. The parts are elevated on singular elevator pads then discharged rolling into a magazine, then escaped rolling either to a cross conveyor, a pusher device, a walking beam, or customer tracking. Noise levels are very low due to zero recirculation of parts. These feeders have fed parts such as steering racks, strut piston rods, copy machine rolls, axle shafts and many other shaft type parts.

MODEL 2220/2230 STANDARD FEATURES

- 20"/30" part length capacity
- Easy access hopper side cut out for part loading (Optional hinged door)
- Vertical elevator with two strands of roller conveyor chain. Bolt-on cleat pads machined for each application part range
- Boston D.C. variable speed elevator drive
- Adjustable rear magazine and pneumatic escapement device
- Rear mounted Model 1650 1" wide by 72" long conveyor
- Boston D.C. variable speed conveyor drive
- Telescoping ramp from magazine to conveyor (For centerless grinder)
- Ball bushing conveyor mountings (For centerless grinder)
- 230/460 volt NEMA. 12 controls
- *Optional, conveyor widths and lengths, hopper sizes and modifications, elevator heights and widths, transfers, pushers, orientors and other devices available*

MODEL 2220



This Model 2220 was designed to feed heavy wall aluminum tubes 2" to 3" diameter by 12" to 20" long. The hopper was modified to accept loading bundles of tubes by a clam shell type gripper. The tubes are elevated from the hopper and discharged rolling to the rear into a magazine then escaped rolling one at a time to a rear mounted cross conveyor. The tubes are conveyed one at a time to a friction welder at a feed rate of 2 to 8 tubes per minute at a height of 42" above the floor.

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