

Model 700™ III Feeder

Proven Design and Performance

Since its introduction in 1962, the Model 700™ Feeder has been the most popular extractor feeder in the industry and the standard by which other feeders are measured. Its time-proven design has been refined through the years, and the latest version, the Model 700™ III, while featuring many of the legacy attributes, includes improvements that have made the best even better.

Traditional Features

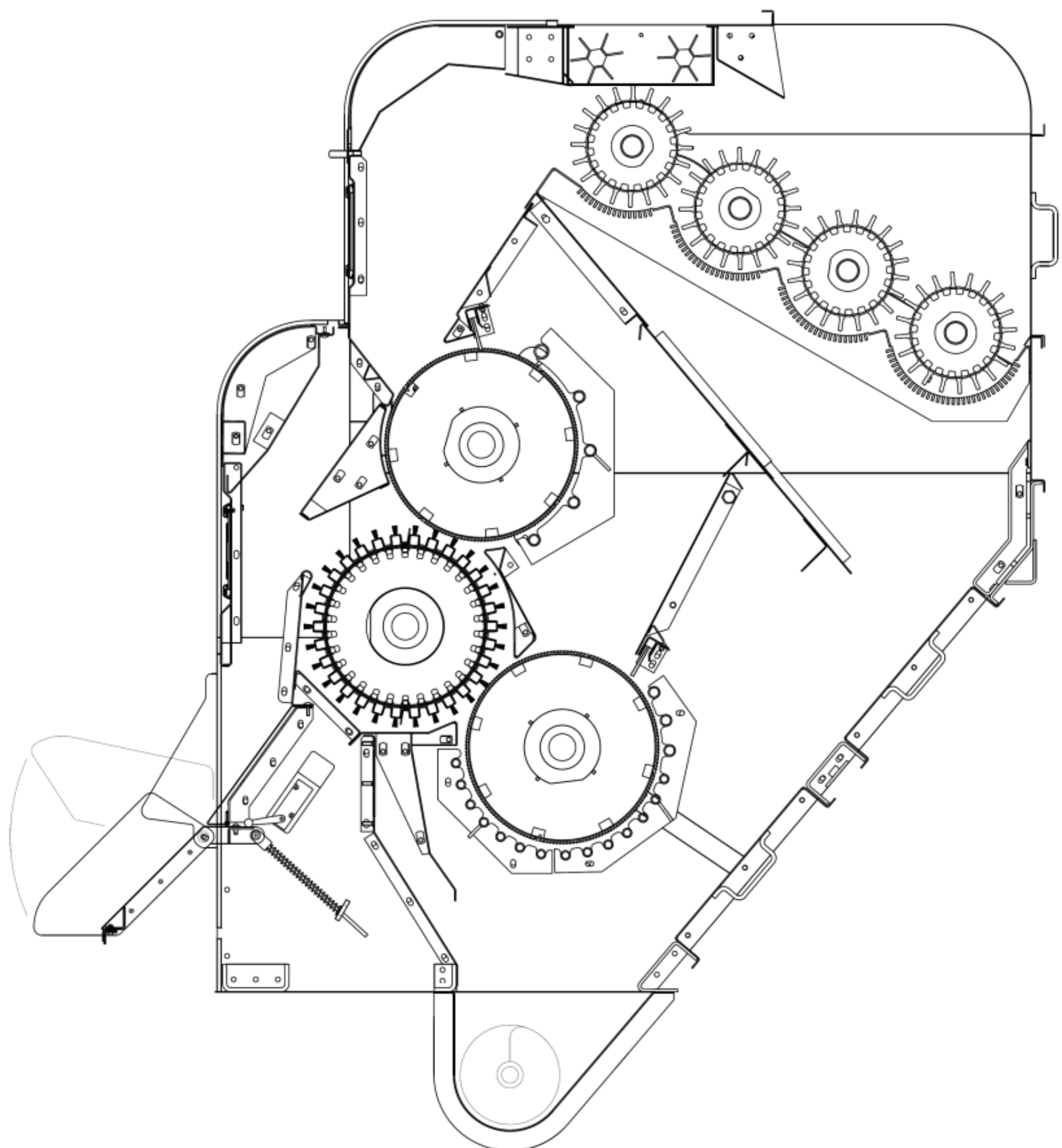
- Available in 96" and 120" widths.
- Side Panels are constructed from 3/8" thick plate and allow for easy removal of all cylinders.
- Feeder ships as a single assembly.
- Can be installed over any model of gin stand – makes any gin stand run more effectively.
- Variable-speed Feed Rollers maintain optimum feed of seed cotton over a wide range of ginning conditions.
- Four (4) Spiked Cylinders in upper section of feeder single-lock the seed cotton while removing fine trash – each Spiked Cylinder features twenty (20) rows of densely-placed spikes.
- Extractor and Reclaimer Saw Cylinders with Grid Rod Sections remove leaves and fine trash and are both doffed by a common Brush Cylinder.
- Trash from the upper Spiked Cylinder Section of the feeder is blocked from the lower Extractor Section.
- Independent Idler Assemblies for Upper and Lower Sections.
- Independent V-Drive from 20-HP motor (96" or 120" widths).
- Optional Magnet for Feeder Apron is available.
- Feeder also available configured for use as a Precleaner, allowing for stacked (double) feeders over each gin stand, or it can be mounted further upstream in the gin plant's precleaning system.

New Features

- Countershaft has been eliminated (along with its bearings and sheave), which reduces machine vibration. The upper Extractor Saw takes the place of the Countershaft and now has a sheave on the drive motor side. Thus, the Upper and Lower Extractor Saw Cylinders are now identical.
- Variable-speed Feed Rollers are now driven by a 1-HP multi-voltage gearmotor with a hollow-shaft drive. The gearmotor slides over the shaft of one feed roller and is mounted on the top of the Feeder on the same side of the machine as the main drive motor. This eliminates one bearing, the old gearmotor, three sprockets, idler bracket and shaft, and roller chain.
- Heavy-duty Grid Bar Assembly for upper spiked cylinder section of feeder is standard, while Mesh Screen Grid section is available as an option.
- All cylinders feature the Lummus exclusive Star-Lobe™ replaceable stub shafts for simplified and lower-cost maintenance.
- Heavier-duty V-belt Idler Bearings.
- Feeder Apron Limit Switch is relocated – now wired and accessed from outside end head.



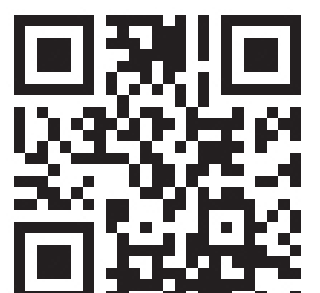
Model 700™ III Feeder
(shown with Series 2000™ Digital Gin/Feeder Controls)



Cross-section of Model 700™ III Feeder



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