

Golden Eagle Series 161 Saw Gin



Golden Eagle Feeder and 161 Saw Gin

The Golden Eagle Series 161 Saw Gin

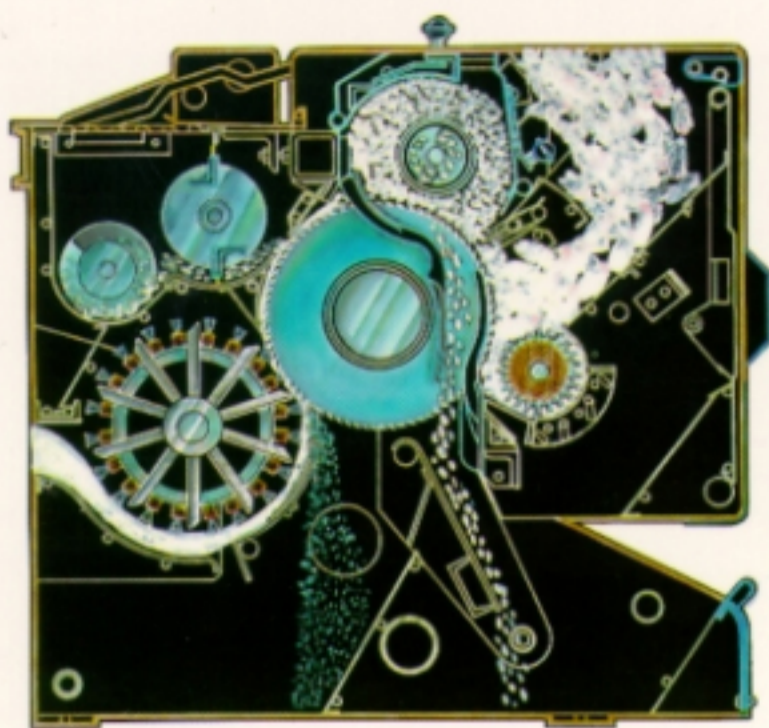
...can produce high quality lint at rates up to 15 bales per hour.

- Exclusive ginning design. Patent #4313242
- A forward-tilting ginning breast allows convenient inspection of the huller ribs, ginning ribs and roll box.
- Open-end huller ribs permit high-capacity feeding of the seed roll.
- Placement of the picker roller eliminates forcefeeding the gin saws.
- Huller front tilts forward for accessibility to the picker rollers and the roll box. The seed roll can be easily dumped.
- Compact overall design, featuring rigid-weld steel construction.



SEED ROLL CONVEYOR TUBE
Seed is efficiently removed from the center of the seed roll.

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Flow of Cotton

Lint is pulled and separated from the cotton seed by the gin saw rotating between ginning ribs. The saw teeth carry the lint through the evenly spaced ginning ribs at the ginning point and the seed is left behind in the roll box. The saw consists of 161 saw blades mounted on a journal that rotates at 615 RPM. The saw blades have 330-teeth and are 16 inches in diameter. Approximately 50 percent of the seed passes through holes in the patented seed tube located in the center of the roll box where they are conveyed to the ends of the gin and discharged to the seed conveyor below the gin. The remaining seed is purged from the bottom of the seed roll and falls into the seed conveyor. Lint is removed from the saw by the doffing brush.

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Stainless Steel Roll Box – Featuring self-motivated seed roll, uniform saw tooth loading, high-capacity seed discharge and automatic feed.

Seed Roll Conveyor Tube – (Removes ginning seed from the center of the seed roll.) This exclusive 5" diameter louvered design rapidly removes seed. Speed of rotation is coordinated with the natural rotation of the seed roll for effective, positive results. Sealed bearing throughout.

Top Mounted Ginning Ribs – Engineered for safety and high performance, featuring super-strength at the ginning point. Cantilever rib design for tag relief.

16" Gin Saws – Featuring scientifically designed saw teeth, tempered for super-strength. The design creates less friction at the ginning point. Saws are of standard gauge and are precision ground.

Overhead Moting – Jet lint cleaner efficiency. Positive wiper action. No trash return. Moting can be regulated as cotton conditions dictate.

Positive Brush Doffing – Lint is removed directly from the gin saws at super-capacities producing a smooth sample. Features positive lint discharge and adjustable air intake.

Lower Moting – Adjustable mote board allows for additional cleaning.

Technical Specifications

Capacity 15 Bales per hour
Saw 16 inch dia., 161 saw blades, 615 rpm
Doffing Brush 15 inch dia., 20 rows of brushes, 1552 rpm
Seed Roll Box 5 inch steel tube rotates at 270 rpm, 4 inch conveyor rotates at 854 rpm
Gin Motor (not included with machine) 150 hp, 1800 rpm, 60 Hz

Dimensions

Length (front, with covers) (3873 mm) 152-1/2 in.
Height (floor to bottom of feeder) (1343 mm) 52-7/8 in.
Width (with covers) (2330 mm) 91-3/4 in.
Saw Shaft centerline to floor (730 mm) 28-3/4 in.
Weight (approximate) (3175 kg) 7000 lb.

ALL DESIGNS, SPECIFICATIONS AND RATINGS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Manufactured and Marketed by



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