

Centurion™ Series Saw Gins

The Dawn of a New Era in Cotton Ginning

Lummus is pleased to introduce the Centurion™ Series of saw-type gins to the industry. After six decades of stellar performance around the world, the Lummus Imperial™ line of gins now passes the torch to the Centurion™ Series, an all-new platform of saw gins. This new line of saw gins will utilize many of the time-proven features of Lummus and Consolidated saw gins.

Additionally, a number of never-before-seen innovations are part of what makes the Centurion™ second to none. A wide range of capacities, coupled with unmatched seed cleaning and consistent performance over a variety of cotton cultivars and seed sizes make the Centurion™ *the* machine to usher in a new level of cotton processing – combining high throughput with the utmost in fiber quality preservation.

Centurion™ gins utilize the fundamental operating settings, component arrangements, and relational geometry which have been paramount to the success of Lummus gins through the years.

Centurion™ Features:

- Available in 10' (3.05 m), and 12' (3.66 m) nominal widths
- Precision-machined and fabricated heavy-duty End Heads
- Independent Motors for Saw, Doffing Brush, Agitator Roller, Picker Roller, and Upper Moting
- Dual Motors on Saw Shaft with Timing Belt Drives
- Dual Motors on Agitator Roller with Timing Belt Drives
- 12" diameter gin saws – historically proven to cause less seed damage than larger diameter saws
- 6" (15.2 cm) diameter Saw Mandrel
- Long-life Roller Bearings on Saw Shaft
- Proprietary Gin Saw design to improve balance and ease of re-stacking
- Uses the Lummus-exclusive machined Gin Rib (made in USA) with carbide wear-resistant insert at the ginning point
- Upper Rib Rail features the newest HDRR (Heavy-Duty Rib Rail) cross-section, which discourages any rib rail flexing when ginning at today's ultra-high capacities



10' wide Centurion™ 208-Saw Gin and Centurion 700™ Feeder

- Powered Top and Front Seed Roll Box Doors (controlled from touch-screen)
- Pivoting Gin Breast
- Optional Upper Moting provides effective trash removal without fiber damage
- Advanced Color Touch-Screen Controls
- Perforated Panels in Gin Guards to enhance motor cooling
- Photocell to monitor Lower Feeder Apron
- Powered Lower Feeder Apron (controlled from touch-screen) on the companion Centurion 700™ Feeder
- Multiple Patents Pending (USA and International)

Centurion™ Gins – Number of Saws

Model (Width)	Standard Spacing	Close Spacing*
10' (3.05 m)	208	248
12' (3.66 m)	246	294

* - Optional



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