

# Golden Eagle Series Extractor/Feeder Model 9000



Control Panel

Golden Eagle Series  
Extractor/Feeder  
and  
Golden Eagle Series  
161 Saw Gin



## The Model 9000 Golden Eagle Extractor/Feeder

Designed for improved fine trash removal and enhanced single locking. This Golden Eagle feeder has shown superb test results in all areas of its application. The Model 9000 is the result of an extensive research and development program and on-site testing.

A push-button control panel, mounted on the feeder, controls feeder load or ginning rate and may also be operated from the master console. This panel contains eight annunciator lights for indicating status of the ginning operation. An AC inverter drives the 3/4 hp feed motor for ease of control and operations. A dual set point meter controls capacity of ginning through current load on the gin motor. The gin and feeder operations are synchronized to prevent over feeding or under feeding. Motion detectors on the feeder and lint cleaner automatically stop the ginning operation if the cotton flow is interrupted. The standard drive for the Model 9000 is a 15 hp, 1800 rpm motor\*.

\*NOT INCLUDED

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## Flow of Cotton

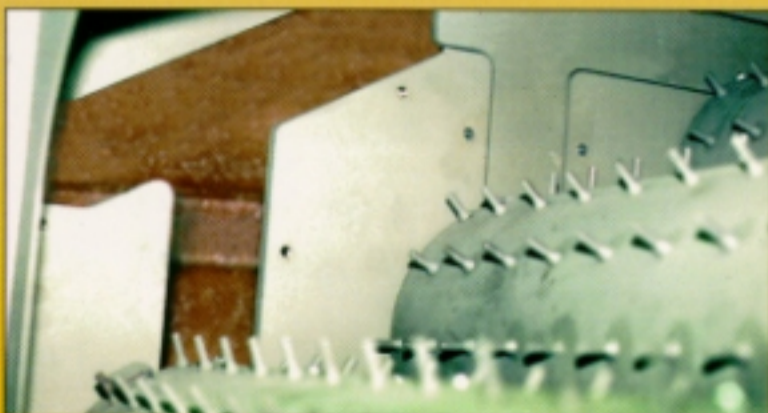
As seed cotton enters the Model 9000, it is first exposed to four spiked cleaning cylinders. The cotton passes over the top of these cylinders and is then conveyed between them and the inclined grid section which allows for improved fine trash removal and single locking. These spiked cylinders are the same type as used in our 96" Impact Cleaner.

Once through the inclined grid section, cotton is carried to four 16 1/2" channel saw cylinders, one of which functions as a reclaimer. The flow of cotton through the tested combinations of brushes, control bars and grid sections allows for excellent hull, stick and additional fine trash removal and further enhances the opening of seed cotton locks for improved ginning. Two doffing cylinders transfer the seed cotton from cleaning cylinders to the feeder apron.

## Maintenance Considerations

Lockable, hinged fiberglass covers provide a clean design while allowing access to drives, bearings and adjustment points. The covers need only be opened, not completely removed, for repairing cylinders and other components. Segmented heads allow each cylinder to be removed independently without completely disassembling the machine.

Other features include 5 1/2" glass windows in the heads to aid adjusting brushes, grids, control bars and doffers. Two full width rectangular windows on front of the feeder allow viewing the flow of seed cotton.



Segmented heads allow each cylinder to be removed without the complete dismantlement of the feeder.

## Technical Specifications

Extractor-Feeder Motor (not included with machine)	..... 15 HP, 1800 RPM or from Gin Saw Shaft
Feed Motor	..... 3/4 HP, 1800 RPM, 230/460 volt, 3-phase 60 Hz, TEFC Frame 56C (wire for 230 volt)
Gear Reducer	..... Grant, 30:1 Ratio, STF 225 Worm Gear w/standard length shaft
Four Saw Cylinders	..... 16 1/2" OD, 95 5/8" long, 160 saws 5/8" wide
Two Doffing Cylinders	..... 11 5/8" OD, 95 5/8" long
Two Feed Cylinders	..... 5 3/4" OD, 95 5/8" long, 6 vanes
Four Spiked Cylinders	..... 11" OD, 95 1/2" long
Motion Detector	..... (LS-1) 110 volt, 30 mm, 3/16" sensing distance, LED, 9 sec. start up delay

## Dimensions

Length:	
Inside	..... (2438 mm) 96 in.
End of Shafts	..... (3276 mm) 129 in.
Overall (with covers)	..... (3657mm) 144 in.
Height	..... (2337 mm) 92 in.
Width: Front to Back	
Rear Doors Closed	..... (2426 mm) 95 1/2"
Weight	..... (5670 kg) 12,500 lb.

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

Manufactured and Marketed by



**BAJAJ STEEL INDUSTRIES LIMITED**

IMAMBADA ROAD, NAGPUR- 440 018, INDIA  
Tel: +91-712-272 0071 ~ 80 Fax: +91-712-272 8050 / 272 3068  
email : [cecsales@bajajngp.com](mailto:cecsales@bajajngp.com) / [bsi@bajajngp.com](mailto:bsi@bajajngp.com)  
website : [www.bajajngp.com](http://www.bajajngp.com)



Telephone: (334) 365-8811 • Fax: (334) 361-7627  
Web Site: [www.coneagle.com](http://www.coneagle.com)