

BAJAJ CONEAGLE LE 176 DELINTER

UNPARALLELED

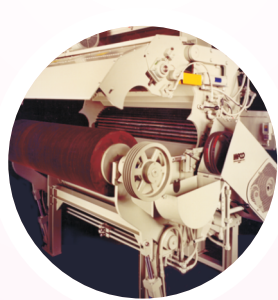
Efficiency | Effectiveness | Quality

BAJAJ CONEAGLE LE DELINTER

BAJAJ CONEAGLE LE 176 DELINTER is designed for High Capacity cotton Seed delinting at rates upto 4.2 tons per hour. It is designed for maximum efficiency and production of superior quality Linter at industry leading production rates. Maximum efficiency is obtained through precise engineering in a user friendly design to facilitate operation and maintenance. It has 176 Saw Blanks made of superior & special steel material.



Easy Access for Saw Mandrel Inspection



Easy Saw Mandrel Ejection



Wider Rib Spacing Minimizes Drag

ENERGY SAVING FEATURES

- Efficient Roll Box design minimizes drag for an easier flow of seed Mass
- Lowest Energy - to capacity ratio in the Industry

MECHANICAL ADVANTAGES

- Saw Mandrel made of mechanical tubing provides smooth operation
- Electric motors are conveniently located for ventilation & easy maintenance
- Positive tooth belt drives eliminate slippage & provides efficient power transmission

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BAJAJ CONEAGLE LE 176 DELINTER

Technical Specifications

Saw Motor	30 HP 1500 RPM
Float Motor	20 HP 1500 RPM
Brush Motor	3 HP 1000 RPM
Feeder Motor	1 HP with VFD
Saw Blanks	176 Nos
Doffing Brush	40 Rows x 2
Air Requirement	2200 CFM
Capacity- Mill Run	35 TPD per M/C
Linter Recovery	4 to 5% on Mill Run
Seed Moisture	5 to 10%

For Multiple Cuts with 12% Linter on Seed, 10% Moisture

First Cut @ 2.5%	100 TPD Per M/C
Second Cut @ 4%	50 TPD per M/C
Third Cut @ 2%	25 TPD per M/C

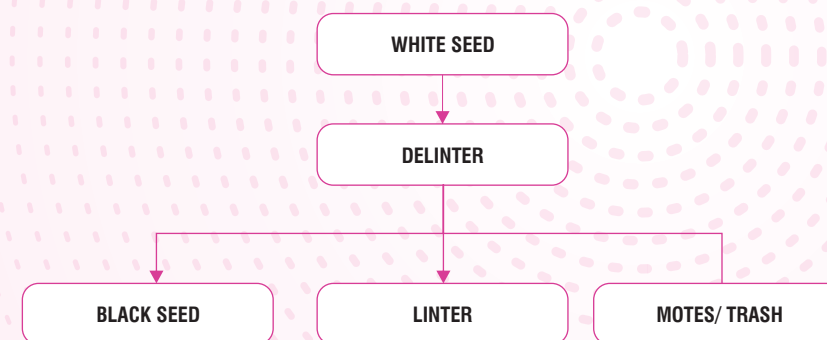
Dimensions

Length	2300 mm
Height	2750
Width	1700 mm

Delinter Assembly



BAJAJ CONEAGLE DELINTING OPERATION



BAJAJ CONEAGLE DELINTING EQUIPMENTS AND SYSTEMS

Cotton Seed Screw Conveyors ~ Vertical Rotary Lifts ~ Seed Cleaner ~ Delinter ~ Pneumatic Conveying and Distribution System of Linter and Motes ~ Linter Cleaner ~ Mechanical Distribution of Black Seed ~ Decorticator ~ Hull Beater ~ Saw Sharpening Machines ~ Electricals ~ Linter Baling Press ~ All other Storage Conveying Equipments and Devices for Delinting, Decorticating & Pressing Requirements

ALWAYS USE

BAJAJ GINNING AND PRESSING MACHINERY & EQUIPMENTS FOR HIGH QUALITY GINNING AND PRESSING REQUIREMENT

All capacities are subject to seed varieties, working conditions, and personnel. All designs, specifications & ratings are subject to change without notice.



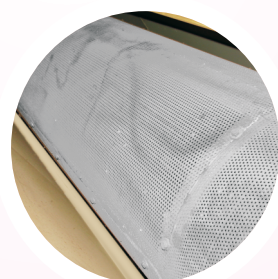
BAJAJ CONEAGLE HULL BEATER 4620

UNPARALLELED

Efficiency | Effectiveness | Quality

■ BAJAJ CONEAGLE HULL BEATER

Unsurpassed in efficiency, the model 4620 Hull Beater is uniquely designed with a built in tailing beater eliminating the need for additional conveying systems. Capable of handling capacities in excess of 200 tons per day of delinted & undelinted cottonseed, the model 4620 is unequalled in the industry. When combined with the CEC/BAJAJ decorticator /separator system, oil in hulls is maintained at a low level by residual meat recovery to maximum extent, even with 12 % to 14% lint on hulls.



Bottom Beater Drum with removable screen



Top Beater Chamber Paddle Roller

■ ENERGY SAVING FEATURES

- Built in tailing beater eliminating the need for additional conveying systems
- Common mechanical conveying system for Hull discharge from both chambers.

■ MECHANICAL ADVANTAGES

- Capable of handling in excess of 200 tons per day of delinted and un delinted seed.
- Electric motors are conveniently located for ventilation & easy maintenance

BAJAJ CONEAGLE HULL BEATER 4620

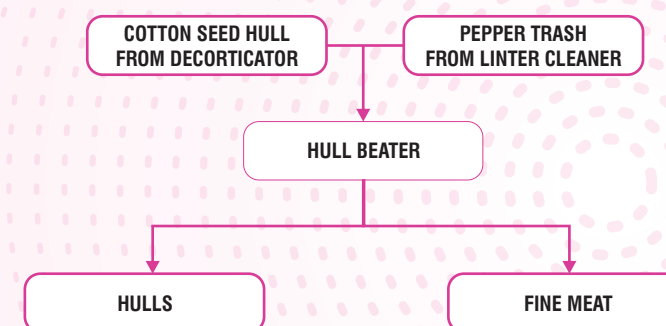
Dimensions:

Length	4900 mm
Height	3800 mm
Width	1550 mm
Weigh - App	5300 kg

Technical Specifications:

Top Chamber	5 PH , 1500 RPM
Bottom Chamber	2 HP, 1500 RPM
Air Requirements	750 CFM

■ BAJAJ CONEAGLE HULL BEATING OPERATION



Hull Beater Assembly

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BAJAJ CONEAGLE LINTER CLEANER - LC 410D

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Efficiency | Effectiveness | Quality

BAJAJ CONEAGLE LINTER CLEANER

BAJAJ CONEAGLE LC 410D is uniquely designed with the paddle sections capable of handling capacities in excess of 10 tons per day of recovered linter. The cellulose yield of removed linter is maintained at maximum. The linter cleaner accommodates automatic screen cleaning at desired intervals. The LC-410D provides additional cleaning where its needed the most, three times the effective pepper section cleaning than the competitors.



Bottom Beater Chamber for Pepper Dust Removal



Top Beater Chamber for Linter Recovery



Drive Train

SALIENT FEATURES

- Linter Cleaner also incorporates Automatic Screen Cleaning which blows down the entire length of both hull pepper sections with high-pressure air. Manual blow-down and unnecessary shutdown are thus eliminated.
- The blow down system is PLC controlled and can be programmed both for duration & frequency of the air blasts.

MECHANICAL ADVANTAGES

- 28% greater cleaning surface area for first-pass cleaning than others.
- Electric motors are conveniently located for ventilation & easy maintenance.
- Reclaim section designed to accommodate any additional shale removal which may be required.

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BAJAJ CONEAGLE LINTER CLEANER - LC 410D

Dimensions:

Length	4050 mm
Height	4400 mm
Width	1350 mm

Technical Specifications:

2 x 500 MM Beaters	3 PH, 1000 RPM
Pepper section and reclaim section rolls	3 HP, 1000 RPM



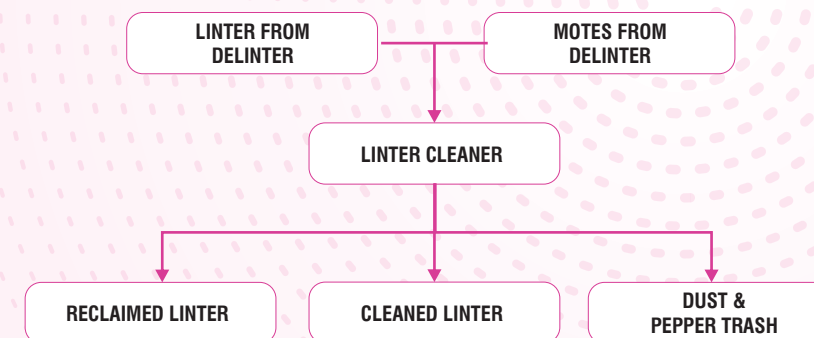
Top Chamber – Twin Beaters

Pepper Cleaning Section

Trash Collection Pipes

Linter Cleaner Assembly

BAJAJ CONEAGLE LINTER CLEANER OPERATION



Linter Reclaim Pipes

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BAJAJ CONEAGLE DECORTICATOR / SEPARATOR

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Efficiency | Effectiveness | Quality

BAJAJ CONEAGLE DECORTICATOR/ SEPARATOR

For the past decades, IMPCO has proven its success by producing the predominant dehulling system world wide for the processing of cottonseed. Providing the highest capacity per foot of width in the oilseed preparations industry, we have engineered our system with your success in mind. Energy efficient and virtually maintenance free, our system keeps your operating cost to bare minimum while maximizing your profit.



SALIENT FEATURES

- No uncut seed recycling - virtually 100% of seed is cut and processed

MECHANICAL ADVANTAGES

- Replaceable cutting surface on decorticator roll will process the highest tonnage at the lowest cost.
- Two removable Basket Beater Trays provided for ease of processing multiple oil seeds such as cottonseed delinted / undelinted, sunflower, soybean and groundnut etc.
- Three hull aspiration ducts allow for maximized hull removal and meat purification to obtain desired protein levels
- No uncut seed recycling required, virtually 100% of seed is cut.

BAJAJ CONEAGLE DECORTICATOR / SEPARATOR

Technical Specifications

Decorticator

Twin Roll Motor	25 HP 1800 RPM
Hydraulic Unit Motor	2 HP 1200 RPM
Feeder Motor	1 HP Variable
Cutting Segments	38 (19 per roll)

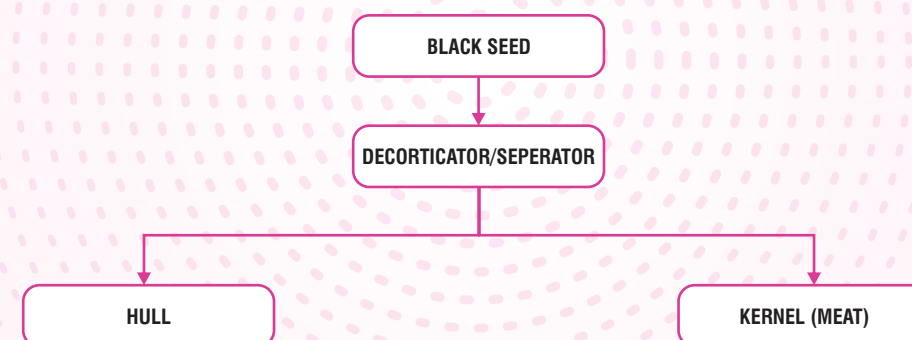
Separator

Shaker Tray Motor	2 HP 18,000 RPM
Basket Beater Motor	1.5 HP 18,000 RPM
Air Requirement	5200 CFM

Dimensions

Length	(4216 mm) 166"
Height (floor to feeder top)	(2527 mm) 99.5"
Width (includes guards)	(1981 mm) 78"
Weight (with motor, drivers, approx)	(4763 mm) 10,500lbs

BAJAJ CONEAGLE DECORTICATING OPERATION



BAJAJ CONEAGLE DELINTING EQUIPMENTS AND SYSTEMS

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BAJAJ CONEAGLE SEED CLEANER

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Efficiency | Effectiveness | Quality

BAJAJ CONEAGLE SEED CLEANER

IMPCO Four-Tray Seed Cleaners are designed to obtain result maximizing the cleaning process while minimizing wear and tear on the balance of your processing machinery. The four tray design is unmatched in performance in the processing of multiple oil seeds such as cottonseed, sunflower, soyabean, and groundnut.

A single roll is provided to assure even distribution seed and proper control of seed volume to the cleaner.

Dimensions :

Length	(5055mm) 199"
Height (floor to feeder top)	(2591mm) 102"
Width	(2388mm) 94"
Weight (with Motors, drives, approx)	(3856kg) 8500 lbs.

Technical Specifications:

Shaker Drive Motor	5 HP 1200 RPM
Discharge Conveyor Motor	1/2 HP 1800 RPM
Single Roll Feeder Motor	3/4 HP Variable
Fan Motor	20 HP 1800 RPM
All Requirements	6400 CFM

* 2 TPH and 4 TPH Capacity Seed Cleaners available on demand.

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