

COTTON SEED PROCESSING

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INTRODUCTION

SEPL - Technology provider and Plant & Machinery Supplier for Edible Oil refinery, Cotton Seed & Soya Preparation Plant, Solvent Extraction Plant, and Physical Refineries.

SEPL is a professionally managed Indian Private Limited Company promoted by experienced technocrats having long experience in edible oil industry, cotton seed processing, project management and exports.

SEPL provides technology and machinery for Cotton Seed & Soybean preparation, Oil Milling, Solvent Extraction, Vegetable Oil Refining, fractionation and Esterification process. The head office is located at Pune, India and is accessible by Road, Air and Dry Port.

SEPL provides economical state of art technology and support to meet world standard quality with optimal operating cost.

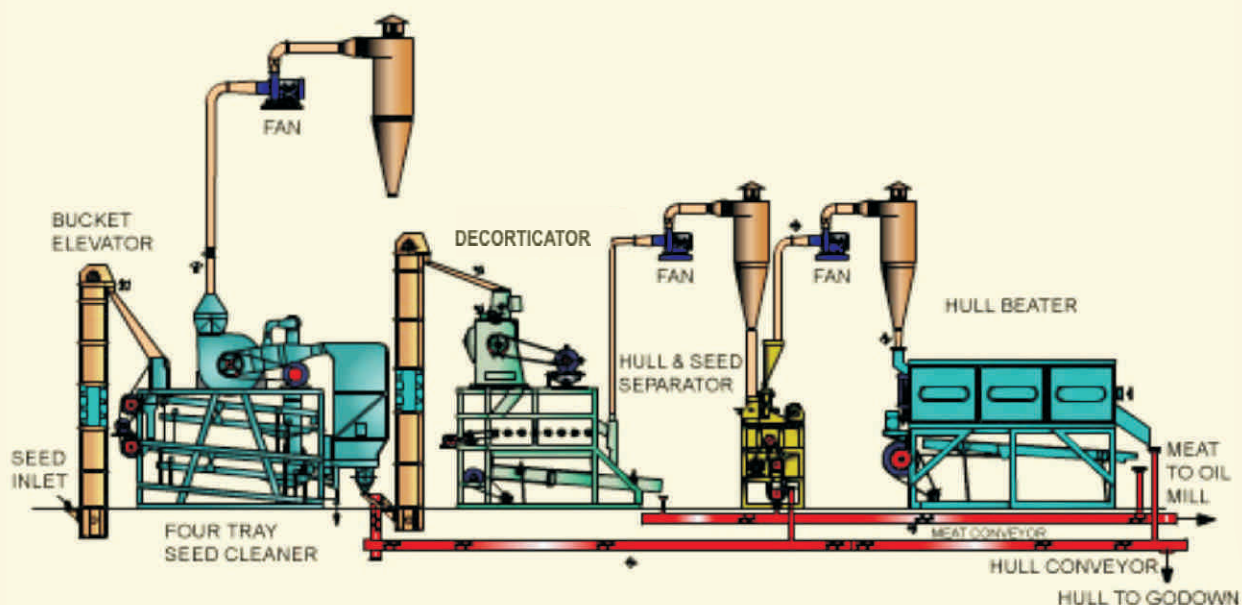


COTTON SEED CLEANERS



The Four Tray Cotton Seed Cleaner is fabricated from sheet steel .It has four trays in oscillating motion through eccentric shaft assembly unit. All steel feeder with volume control feeding by worm gear motor connected to variable frequency drive control panel for feed regulate.

The vacuum chamber is specially designed for easy operation and maintenance. The blower is mounted on frame for higher air efficiency.



FLOW DIAGRAM FOR COTTONSEED HULLING PLANT

COTTON SEED DECORTICATOR



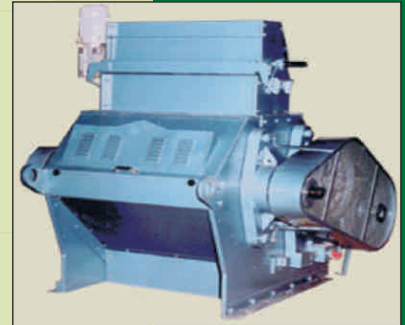
Twin roll hulling has proven to be the highest capacity and most efficient way to hull bulk oil seeds such as cottonseed and sunflower, etc.

We have improved on this technology by offering the most advanced huller at a very economical price.

The adjustable metered roll feeder offers complete consistent and uniform feeding. By adjusting the feed damper and variable speed control, an accurate and reliable feed rate is obtained.

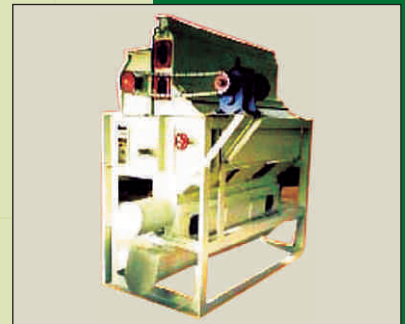
The heart of the huller is the strong 18" dia rolls- 2 nos. fitted with removable huller knives.

The replaceable huller knives are manufactured from the highest quality alloy and hardened for long hulling life. The knife profiles are custom designed to suit the specific hulling requirements of the various varieties of oil seeds.



HULL AND SEED SEPARATOR

This equipment separates the uncut seed and large hulls. Uncut seeds are recycled to the huller and hulls for the further process. The equipment is complete with regulating feeder with suitable gear motor and all drive items. Seed roll with suitable gear motor, meat conveyor complete with the perforated tubes and meat discharge hopper. The equipment is complete with a pneumatic chamber with suction blower with cyclone and all transit connection and all required accessories.



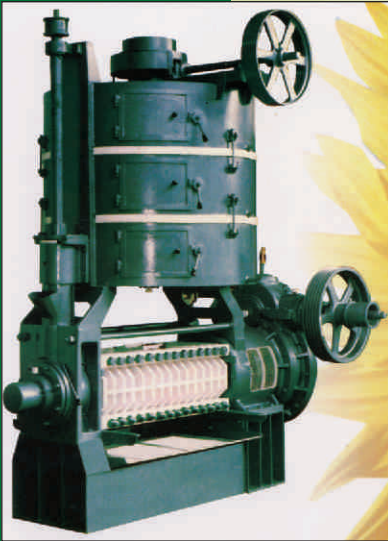
HULL BEATER

Hull beater is designed to produce hulls with minimum oil content by efficiently beating the hulls to remove the fine, floury and small particles of meats and oily lint.

- ✎ For better fluffing of linty hulls and highest recovery of meats.
- ✎ Self cleaning screens for more consistent results.
- ✎ Extra heavy duty eccentrics for long life.
- ✎ Clean rugged design with steel plate construction.



OIL EXPELLER



SEPL Expeller machine is ideally suited for the efficient extraction of oil from mustard, groundnut, cotton seed and other oilseeds. The capacities available are from 1 TPD to 100 TPD.

- ✍ Single pass crushing replaces three/four successive crushings normally required in conventional expellers.
- ✍ High oil extraction efficiency and high oil recovery.
- ✍ Less residual oil in the cake.
- ✍ Low power consumption.
- ✍ Improved pungency and better quality of oil and cake.



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