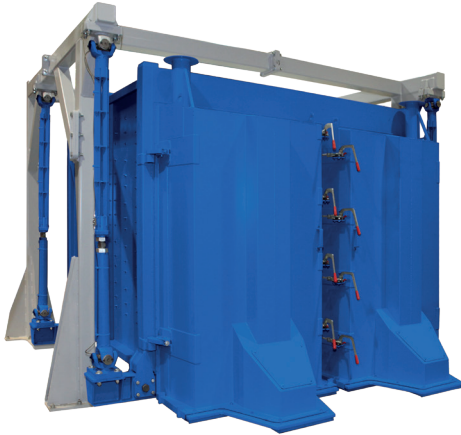


ROTEX® | GROUP ROTEX BM&M

- High Efficiency, High Capacity Screening
- Accurate Screening Operations Reliable
- Operation Minimizes Costly Downtime

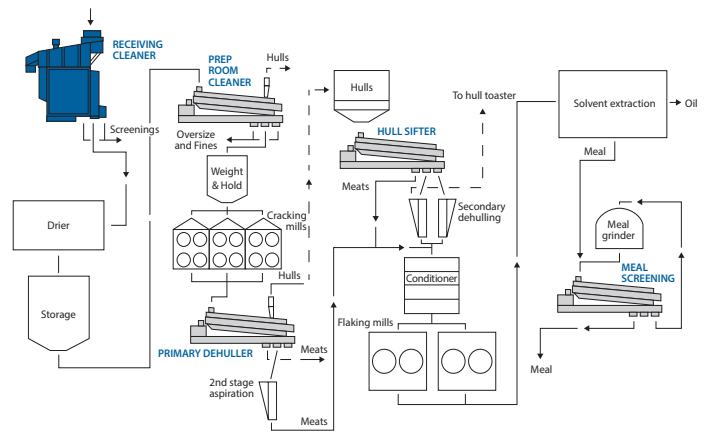
Rotex Group screening equipment is used throughout the oilseed processing plant, from receiving cleaner to meal screening. The distinct screening motions of the ROTEX® and MEGATEX™ Screeners combine high capacity with accurate separations. From traditionally sized plants to 5,000 ton-per-day operations and larger, Rotex offers the right screener for each installation

Receiving Cleaner



MEGATEX Cleaners clean up to 1,000 TPH of soy beans and up to 350 TPH of sunflowers at the receiving terminal.

For receiving cleaning, a screener is typically used to remove fines, field trash and other oversize from the grain prior to storage. Accurate removal of fines is critical because fines restrict air circulation in the storage silos which can cause grain spoilage. With the fines removed, fuel is saved and the chance of fire in the drier is reduced.



ROTEX and MEGATEX Screeners in soybean processing

To handle the typically high volumes of receiving cleaning, the MEGATEX Cleaner is used. A single MEGATEX screens up to 1,000 TPH utilizing a long stroke, low frequency horizontal screening motion. It quickly stratifies fines down against the screen openings without violent agitation and remixing which insures high efficiency fines removal. With the high capacity MEGATEX, operators require fewer machines and less floorspace to clean more grain.

In most receiving cleaning operations, because of its high efficiency screening motion, the MEGATEX Cleaner does not require aspiration. Efficient, high volume cleaning with out aspiration means lower operating costs.

Prep Room Cleaner

Following receiving cleaning and during drying and storage, additional hulls are loosened from the grains. To remove these oversize and fines, grain is typically cleaned again before processing.

Fines removal is critical to reduce wear on the cracking mill rolls and to minimize fibers and dust released into the environment. The motion of a ROTEX Screener allows lighter material to float to the top of the bed material so that it can be easily removed by an aspiration hood on the upper or lower deck.

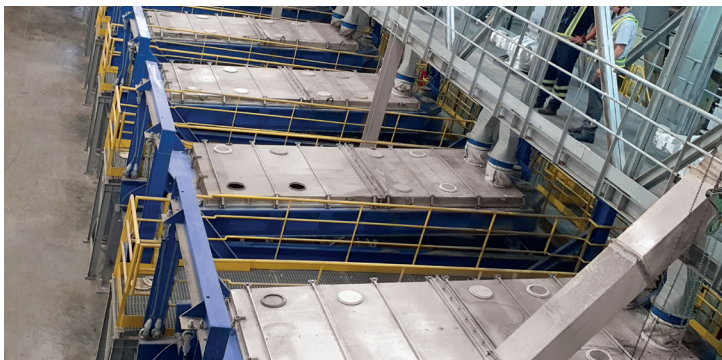
Primary Dehuller

After passing through the cracking mills, uncracked seeds, flattened seeds (“mashies”) and fines must be separated from the cracked meats. In this step, a two deck ROTEX Screener may be utilized. Its gyratory motion separates the large and small meats into accurately sized fractions.

On the top deck, the Rotex screening motion causes the light hulls to float to the top of the bed of material where they can be removed with an aspirating hood. On the bottom deck, fine cracked meats are efficiently separated from the larger cracked meats. The screened meat fraction is then fed to multi-pass aspirators where hulls are separated.

Hull Sifter

Material from the primary dehuller, representing as much as 20% of the process flow, contains a mix of small meats and hulls. In this critical stage, material is fed to a two or three deck ROTEX Screener. The fractions are then fed to secondary aspirators for final hull removal. The precisely separated fractions produced by the ROTEX Screeners enable secondary aspirators to perform the high efficiency final hull separation needed to produce hi-pro meal



In meal screening, A ROTEX 732 Screener handles up to 80 TPH of fine meal and 150 TPH of coarse meal. MEGATEX handles up to 175 TPH of fine and 300 TPH or coarse.

Meal Screening

In the final stage, ROTEX Screeners ensure that less on-size product is fed to the grinding equipment. Fewer grinders are needed, and thus, less horsepower is required. This results in significant operational savings.

ROTEX and MEGATEX Screeners assure operators that the final product will be within the required size range.

In fine meal separations at 8 - 12 mesh (2,360 – 1,700 u), the gyratory motion of ROTEX and MEGATEX Screeners offer the significant advantage of highly accurate separations. Their unique screening motion produces meal that meets tight size and density specifications.

For coarse meal separations at 4 mesh (4,750 u), no good product is lost because the gyratory motion of the ROTEX or MEGATEX Screeners is gentle enough to avoid breaking good product into fines.

Rotex offers meal sifting screeners with a wide range of capacities. For capacities up to 60 TPH, a single deck ROTEX Screener is ideal for recovering a maximum of soy bean meal. Capacity can be easily doubled in virtually the same floor space by use of a two deck ROTEX Screener with independently fed screening surfaces. For even higher capacity requirements, a single MEGATEX Cleaner can be used up to 300 TPH.

Operational Advantages

- ROTEX and MEGATEX Screeners offer many operational advantages for oilseed processing:
- High reliability – Their rugged, durable designs provide uninterrupted operation 24 hours a day. The easy to maintain dynamic absorber drive has no gears and requires no lubrication.
- Low headroom - The near-horizontal screening angle of the ROTEX Screener enables a dramatically lower silhouette than most other types of screening equipment.
- MEGATEX Screeners can provide up to 1,000 TPH of screening in a compact footprint of 13' x 13' (4 m x 4 m).
- Blinding free operation - ROTEX and MEGATEX Screeners don't blind even under high moisture conditions. Effective ball mesh cleaning prevents moist grain clumps from plugging the screen and limiting the screener's performance.

Call Rotex for assistance with your installation

Rotex has specialized in process screening equipment for more than 80 years, leading the way with innovations that have become the standard of the industry. For assistance with your soybean or oilseed screening requirements, call your local Rotex Representative or one of our Application Engineer in Runcorn.

Free Sample Testing

Rotex takes the guesswork out of selecting the proper screening equipment for soybean and oilseed applications by maintaining a fully equipped materials testing laboratory. Here your material can be tested under simulated production conditions to help determine the appropriate machine size and settings. Contact Rotex at +44 1928 706100 to arrange a free test.