

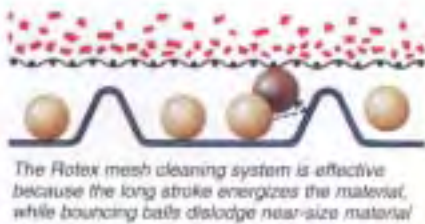
5 ways ROTEX® helps you screen troublesome materials

Solving problems in screening applications is an everyday occurrence at ROTEX. A common problem is troublesome materials. Here are five ways ROTEX helps solve these difficult applications.

1. MATERIALS PRONE TO PLUGGING/BLINDING

Examples: fertilizers, detergents, sand

Screening performance suffers when materials plug or coat the screen. Rotex solves this problem... A system of bouncing balls confined in pockets beneath each screen surface keeps the screen alive and clear of plugged particles. The long stroke of ROTEX Screeners produces ball action that cannot be matched by short stroke vibrating screeners.



The Rotex mesh cleaning system is effective because the long stroke energizes the material, while bouncing balls dislodge near-size material.

2. FRIABLE MATERIALS

Examples: coffee granules, cereal, pet food

The vigorous vibrating motion of some screening equipment can cause friable material to impact on itself and result in costly product degradation. Because Rotex uses a low-intensity screening action, fines are removed without violent agitation ... and product degradation is not a problem.



The gentle Rotex screening action minimizes degradation of citric acid in this food plant.



The Rotex gyratory screening motion keeps lumps flat — prevents upending.

3. SCREENING OUT "LONGS"

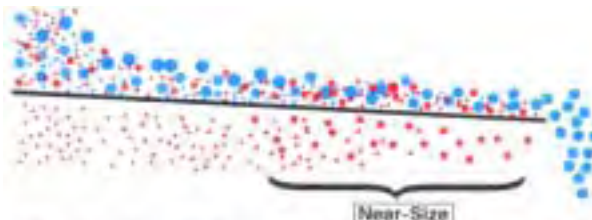
Examples: plastic pellets, extrudates, catalysts

Elongated oversize particles are often troublesome because they tend to upend and pass through the screen with on-size particles. Because the Rotex gyratory screening motion has no vertical vibration or hop, particles lie flat on the screening surface, greatly reducing the probability of upending.

4. NEAR-SIZE SEPARATIONS

Examples: abrasives, sugar, activated carbon

Problems frequently occur when a high percentage of particles is very close to the size of the screen opening. ROTEX Screeners solve this problem, because their long screen decks give maximum opportunity for near-size to pass through the screen. This is in contrast to short deck or circular screening devices which sharply limit retention time of the material on the screen.

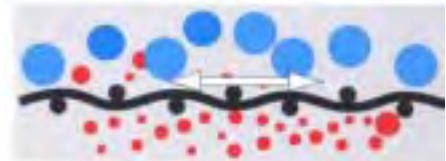


The long deck ROTEX Screener, in conjunction with its unique gyratory motion, gives maximum opportunity for near-size particles to pass through the screen.

5. ELASTIC MATERIALS

Examples: ground rubber, polystyrene beads, glue pellets

Problem: how to prevent lightweight elastic materials from becoming airborne, a condition common with vibrating systems. The Rotex gyratory screening motion causes fines to sift down and through the screen, rather than becoming airborne and tailing over the screen.



Material stays in contact with the screen surface of ROTEX Screeners because of the horizontal gyratory motion.



Material tends to become airborne on vibrating screening types because of the vigorous vertical motion.

Do you have a screening problem? Whatever your application, **ROTEX INC.** gives you the advantage of over 80 years' experience plus a dedication to continuing product development and improvement.

Call today - for the name of your nearest Rotex Representative, call Toll-Free 1-800-453-2321.

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