

ROTEX design features provide reliable, high efficiency performance

ROTEX Screeners are self-contained production screening machines for separating dry materials according to particle size. Through their unique gyratory motion of the near-horizontal screen surface, combined with a positive screen mesh cleaning system, ROTEX provides unusually high efficiency and capacity — all the result of continuing development for hundreds of applications throughout scores of industries.

ROTEX Screeners are made in over 100 standard models, ranging from 1 to 5 screen surfaces, for separations with openings from 1/2" to 325 mesh. They are available in Automatic-Tensioning all metal and sanitary models, and General-Purpose models for applications not requiring all-metal construction.

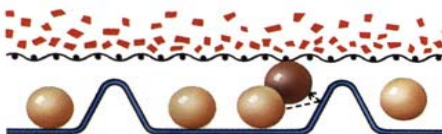
ROTEX FLOW OF MATERIALS ... FAST, EFFICIENCY, ACCURATE

Material enters at top where it is distributed over the entire width of the screen surface and conveyed toward the discharge end. Larger particles remain above the screen surface, while smaller particles pass through. Model shown (above right) is a typical two-surface ROTEX, which separates material into three different grades. Other ROTEX models have one to five screen surfaces, producing two to six separate grades.

TWO SEPARATE SCREEN ACTIONS

1. Gyratory Motion rapidly distributes ... stratifies ... separates.

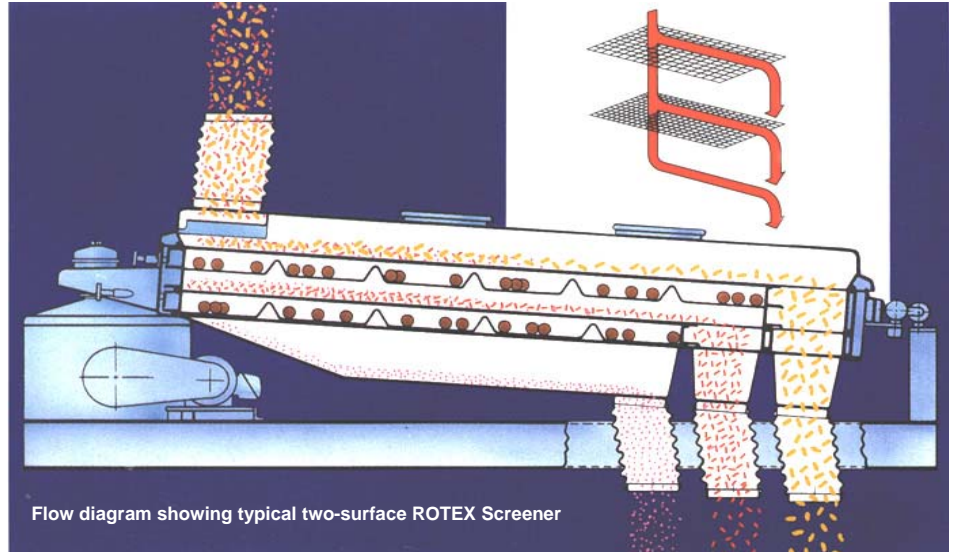
The unique gyratory motion of the near-level screen box distributes material rapidly over the screen surfaces with practically no vertical vibration or hop. Finer particles are quickly stratified and readily pass through the screen as larger particles are gently con-



veyed to the discharge end.

2. Bouncing Balls control screen blinding

The bouncing action of balls confined in beveled pockets beneath each screen surface dislodges particles by direct contact. These resilient balls also keep the screen surface alive, providing agitation to aid particle stratification and to separate particles



Flow diagram showing typical two-surface ROTEX Screener



"QUICK-SNAP" PROVIDES AUTOMATIC SCREEN TENSIONING AND QUICK, EASY SCREEN REMOVAL

Quick-snap is the patented design on all Automatic-Tensioning models for attaching screen clothing to the screen frame by spring tension clips. By maintaining a uniform tension across the entire screen surface, the system ensures superior screening accuracy, reduced screen blinding and increased screen life. The tension clip design also permits quick removal and replacement of screen clothing,



which greatly reduced downtime.

SMOOTH COUNTERBALANCED DRIVE

The ROTEX counterbalanced drive produces a vibration-free screening motion that is never self-destructive — so smooth that ROTEX may be cable suspended

VARIETY OF DESIGN OPTIONS

- Sanitary designs
- Special inlets and outlets
- Manual or pneumatic top cover clamps for positive seal
- Two-deck independently fed surfaces
- High temperature modifications
- Abrasion-resistant linings
- Floor mounting or cable suspension
- And many other options to suit the application

MATERIAL TESTING SERVICE

ROTEX takes the guesswork out of selecting the proper screening equipment by maintaining a fully-equipped materials testing laboratory. Here your materials are analyzed and tests conducted under simulated production conditions, to help determine the appropriate machine size, optimum screen openings and machine settings for a given application. To make use of this free testing service, first obtain a lab sample control number by contacting the ROTEX Test Lab Supervisor.

CALL ROTEX FOR ASSISTANCE ON YOUR APPLICATION

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 specific

Rotex Screener Applications — Partial List

ROTEX Screeners are operating at hundreds of locations, screening literally thousands of different materials. While not all inclusive, the following list details some of the industries and applications where ROTEX is the screener of choice.

Abrasives — Accurate high yield screening of glass beads, crushed slag, aluminum oxide, sand and other abrasive materials

Animal Feed — Feed pellets and crumbles, meat meal and pet food

Carbon Products — Coke, graphite and charcoal are among the carbon products handled on ROTEX Screeners

Chemical — Hundreds of different chemical compounds are screened on ROTEX Screeners, taking advantage of the accurate and high yield separation capability

Clay — Product sizing

Fertilizer — Raw material grading as well as sizing of finished product. Includes ammonium nitrate, phosphates, potash, urea and other blended compounds

Food Products — Sugar, flour, milk powder, coffee, grains, cereals, rice, nuts, spices, cocoa, dextrose, cornstarch and breeding are among the many food products that are screened on Sanitary Design ROTEX Screeners

Grain Cleaning — Scalping and cleaning of corn, wheat, barley, soybeans and other grains; dehulling cracked beans

Minerals — Sand, roofing granules, limestone, soda ash and salt are all screened at



high volumes on ROTEX Screeners

Paper Pulp Chips — Grading, thickness screening and fines removal on a high volume efficient basis

Particle Board — Wood chip, shavings and sawdust screening for high-quality particle board components

Pharmaceutical — Accurate and efficient separations, as well as cleanability, make the Sanitary Design ROTEX Screener the choice of many of the largest pharmaceutical producers

Plastic Pellets — Flexibility of design enables ROTEX to suit the specific needs of the plastic pellet producer

Powdered Metals — Aluminum, copper, iron, nickel, steel, zinc, and many other metal powders rely on accurate ROTEX separations

Recycling — Includes recycling centers, PET, drywall scrap and ground rubber among the many recycle and reclaim projects using ROTEX Screeners

Steel Shot — Accurate grading at high volumes, to both steel shot and grit speci-

ROTEX — Specialists in Production Screening and Sieve Analysis

ROTEX has been dedicated through the years to innovative design in response to customer needs. The original unique ROTEX designs have provided the most accurate and efficient screening separations for more than 80 years. During this time, ROTEX design teams have led the way with innovations that have become the standard of the industry. Among the ROTEX developments are • unique gyratory screening motion • automatic-tensioning screen attachment • ball mesh screen cleaning • dual counterbalanced drives • Quick-Release top cover clamps.

In further response to industry requirements, ROTEX has developed other innovative products used world-wide for efficient process control. These include the widely recognized MEGATEX and HI-CAP High Capacity Screeners, LIQUATEX Liquid-Solid Separators, and most recently GRADEX Particle Size Analyzers for automatic sieve analysis.

ROTEX.....Specializing in products for production screening and sieve analysis.

ROTEX



Innovative product development through modern CAD systems has helped ROTEX



ROTEX headquarters and manufacturing facility, Cincinnati, Ohio



This computer-controlled machining center (left) and computerized cutting table (right) typify the advanced precision methods used in manufacturing ROTEX



ROTEX® Screeners



LIQUATEX™ Separators



MEGATEX™ Grain Cleaners



HI-CAP™ Chip Screeners



GRADEX™ Particle Size Analyzers

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