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 conveyed 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 which greatly reduced downtime.

“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.

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 give 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

ROTTEX 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 ROTTEX is the screener of choice.

Abrasives — Accurate high yield screening of glass beads, crushed slag, aluminum xide, 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 breading are among the many food products that are screened on Sanitary Design ROTEX Screeners

Grain Cleaning — Scapling 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-