

Automates Sieve Analysis

The GRADEX 3000, automated sieve analyzer, is the affordable solution to reducing manual quality control costs. It dramatically lowers the manpower costs associated with sieve analysis, reduces the chances of operator error and allows technicians to perform other work while up to 6 samples are analyzed automatically.

Benefits

■ Automates Manual Testing

- GRADEX fully automates the sieve analysis process.
- Without technician intervention, the GRADEX dumps each sieve fraction, brushes the sieve, weighs the material, calculates and records percentage passing, retained and cumulative totals.

■ Lowers Quality Control Costs

- Manpower is not required to run multiple tests — cost per test is dramatically reduced.
- While up to 6 samples are being tested, your technician is able to perform other tasks.
- Operation of GRADEX is so automatic that it can be used at the point of the sample, enabling operators to perform the analysis right on the plant floor, and use the results immediately without waiting for a laboratory test response.

■ More Accurate Test Results

- Automation removes the chance for operator error.
- Each test is weighed the same, each sieve is brushed the same, each sample is handled in the same way.
- Automatically calculates results and produces a printable report.

* Windows is a registered trademark of Microsoft Corp.



■ Easy to Use

- Easy to operate Windows* based software
- Uses standard 12" sieves and can accept 12 half-height sieves.



Particle Size Analyzer

GRADEX is now being used to automate sieve analysis and augment quality control programs in scores of applications worldwide. More than ten years of in-use experience has proven that GRADEX can deliver, consistent, reliable performance with extremely low maintenance. Every aspect of the design is engineered to provide dependability and low maintenance operation. When maintenance is required, all components are easily accessible for service.

Features

■ GRADEX "AutoFeed"

- The GRADEX "AutoFeed" enables staging of up to seven samples for uninterrupted testing. Additional samples can be easily added or the sequence can be changed during operation.



Sequence of Operation

- Preset test config files. Operator simply selects from a list, the test to be run.
- Easy loading of material. Operator pours sample into machine onto the sieve stack, and can initiate a test with a single keystroke.
- Automates dumping, weighing and brushing. Each fraction is dumped into a collection tray which rests on a digital electronic balance. Each sieve is brushed prior to the material being weighed. Data is recorded for all fractions and electronically transferred to the PC.
- Customized data presentations. Operator can view data one test at a time, or create custom reports to view groups of results, data vs. time, lot summaries, etc.



Also Available:

■ Gradex 2000

- Manual sieve analysis is typically time-consuming, labor intensive and prone to errors and operator bias. Now, using the same sieves and rotary shaking/tapping motion, the GRADEX 2000 Particle Size Analyzer performs fully automatic testing on a consistent and reliable basis. In the lab or on the production floor, samples may be loaded individually by the operator - or multiple samples can be loaded for continuous testing by using the GRADEX "AutoFeed".



■ GRADEX Chip Classifier

- The GRADEX Chip Classifier is the original fully automated chip classifier. It features PC-controls, automated test reporting and the ability to operate in the lab or in the wood yard. With a proven track record of trouble-free, reliable operation in mills throughout the world, the GRADEX Chip Classifier is ideal for controlling chip quality.



Typical Gradex Applications:

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| <ul style="list-style-type: none"> ■ Chemical Processing <ul style="list-style-type: none"> • Chlorine • Fertilizer • Super Absorbents ■ Plastics <ul style="list-style-type: none"> • Pellets ■ Stone, Clay, Glass <ul style="list-style-type: none"> • Refractory Ceramics • Roofing Granules | <ul style="list-style-type: none"> • Detergent • Pharmaceutical • Resins | <ul style="list-style-type: none"> ■ Mineral / Mining Processing <ul style="list-style-type: none"> • Sand • Limestone ■ Food Processing <ul style="list-style-type: none"> • Citric Acid • Salt • Soda Ash • Sugar • Tobacco |
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