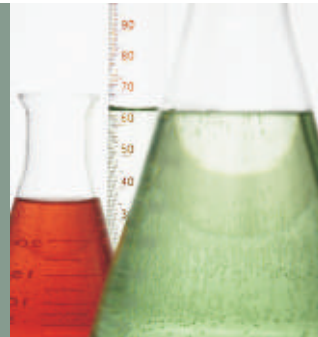


# Rotap Sieve Shaker





## Rotap Sieve Shaker

### Introduction

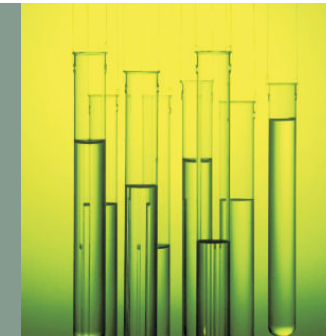
We offers table Rotap Sieve Shaker assists in producing uniform motion for shaking. It is used for research and development, quality control of raw materials, as well as in production monitoring. The automated test sieve shaker plays an important role in many Quality Control programs. Quality managers from a wide range of manufacturing settings, including those found in the pharmaceutical, cosmetic, chemical and food processing industries, rely on mechanized test sieve shakers to ensure that the products they produce are of consistent quality and composition, regardless of when or where they are produced. This is because these shakers are the key to conducting effective particle-size analysis using sieve testing methods.

### Tapping sieving

A horizontal circular motion overlies a vertical motion which is created by a tapping impulse. These motional processes are characteristic of hand sieving and produce a higher degree of sieving for denser particles (e.g. abrasives) than throw-action sieve shakers

### Benefits of Using an Automated Test Sieve Shaker for Particle-Size Analysis

1. More Consistent and Accurate Results. The first mechanical test sieve shaker was designed to replicate the hand motions used in manual testing scenarios. By automating this process, test sieve shakers are able to provide a much higher level of continuity throughout the testing process. As a result, they can produce more accurate and repeatable results regardless of when or where a test is performed.



# Rotap

## Sieve Shaker



2. **Increased Efficiency.** Manually shaking test sieves is both time consuming and labor intensive. A mechanical sieve shaker is able to replicate and replace the human input needed to perform this type of testing. This means that more material can be tested in less time and with fewer resources invested.

3. **Cost Savings.** Employing humans to conduct these tests represents ongoing costs in the form of wages and fringe benefits. In addition, downtime related to illness or personal absences also translates into lost productivity and increased opportunity cost. The modern shaker is both reliable and durable. As a result, it doesn't require a lot of expensive maintenance or need replaced often. Over time, these factors can translate into substantial cost savings.

# Rotap Sieve Shaker

Based on these reasons, it is easy to see how the automated test sieve shaker has vastly improved the use of sieve testing to perform particle-size analysis for Quality Control purposes.

### Technical Specification

Rotap Sieve Shaker is driven by ½ H.P. Electric motor through a reduction gear, can carry upto SIX , 6" OR 8" Test Sieves with one set of LID AND Pan . This Gyrotory motion of the table there is an upward and downward movement but is inclined from the vertical axis and the direction or inclination charges progressively in clockwise direction having frequency of about 270 - 300 rotations/ vibration per minutes. Unit having six Stainless Steel needles fixed on Stainless Steel pipe of approx 12.5 mm dia. (with timer/without timer) Supplied complete with crompton greaves/equivalent motor



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