

## RO-TAP® RX-29 and RO-TAP® RX-30 MODELS

The industry standard in test sieve shakers, W.S. Tyler's™ Ro-Tap® has a unique two-dimensional operation: a horizontal, circular motion and a vertical, tapping motion. This special action allows material particles to stratify and "seek" critical openings in the test media. The result is the most accurate and consistent particle analysis testing.

The RX-29 model is recommended for testing with 8" or 200 mm diameter test sieves; the RX-30 model is recommended for testing with 12" or 305 mm diameter test sieves.

- Testing applications
  - RX-29: 2" (50 mm) down through 635 mesh (20 micron)
  - RX-30: 5" (125 mm) down through 500 mesh (25 micron)
- Requires minimal maintenance
- Heavy-duty use
- Features 99 minute digital timer/clock
- Each unit test run and serialised prior to shipment.

### Specifications

- Oscillations per Minute: 278
- Oscillations Displacement: 1" x .75"
- Taps per Minute: 150
- Hammer Weight: 5 lbs., 6 oz.

**Recommendations regarding the maximum number of test sieves that can be used with Ro-Tap® Test Sieve Shakers:**

| MODEL                        | NUMBER OF SIEVES                           |                    |
|------------------------------|--|--------------------|
|                              | FULL HEIGHT                                | HALF HEIGHT        |
| RX-29<br>(8" or 200mm Dia.)  | 6 Sieves w/FH Pan                          | 13 Sieves w/HH Pan |
| RX-30<br>(12" or 300mm Dia.) | 4 Sieves w/FH Pan or<br>6 Sieves w/HH Pan* | 8 Sieves w/HH Pan  |

\* Intermediate height

A top cover is required for testing with all of the above.

**Dimensions:** Unit: 28" wide x 21" deep x 25" high (71cm x 54cm x 64cm)  
 Shipping: 31" wide x 23" deep x 30" high (77cm x 59cm x 77cm)

**Weight:** Unit: 180 lbs. (82 kg)  
 Shipping: 190 lbs. (86 kg)



| ACCESSORIES             |
|-------------------------|
| Sound Enclosure Cabinet |
| Test Stand              |

| AT 1750 RPM, 60 CYCLE CURRENT (60HZ) |                        |
|--------------------------------------|------------------------|
| PART #                               | DESCRIPTION            |
| RX-29                                | 110v (8" Test Sieves)  |
| RX-29-16                             | 220v (8" Test Sieves)  |
| RX-30                                | 110v (12" Test Sieves) |
| RX-30-16                             | 220v (12" Test Sieves) |

| AT 1450 RPM, 50 CYCLE CURRENT (50HZ) |                        |
|--------------------------------------|------------------------|
| PART #                               | DESCRIPTION            |
| RX-29-2                              | 110v (8" Test Sieves)  |
| RX-29-10                             | 220v (8" Test Sieves)  |
| RX-30-2                              | 110v (12" Test Sieves) |
| RX-30-10                             | 220v (12" Test Sieves) |

Prices do not include test sieves.

All models are wired for single phase current only.

**RX-29 LABKIT 60HZ** Includes RX-29 Ro-Tap®, Sound Enclosure cabinet and Test Stand

**RX-30 LABKIT 60HZ** Includes RX-30 Ro-Tap®, Sound Enclosure cabinet and Test Stand

**RX-29-50HZ LABKIT** Includes RX-29 Ro-Tap®, Sound Enclosure cabinet and Test Stand

**RX-30-50HZ LABKIT** Includes RX-30 Ro-Tap®, Sound Enclosure cabinet and Test Stand

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**RO-TAP® RX-94 MODEL**


Ro-Tap® RX-94 Test Sieve Shaker utilises the same traditional design as the RX-29 and RX-30 models. In addition, the unit features a cavity that allows for two "stacks" of 8" diameter test sieves. This allows for twice the processing capacity in nominally the same time required to complete one test.

- Designed for use with 8" or 200 mm diameter test sieves only.
- Testing application: 2" (50 mm) down through 635 mesh (20 micron).

**Specifications**

- Oscillations per Minute: 278
- Oscillations Displacement: 1" x .75"
- Taps per Minute: 150
- Hammer Weight: 5 lbs., 6 oz.

**Recommendations regarding the maximum number of test sieves that can be used with Ro-Tap® RX-94 Test Sieve Shakers:**

| MODEL                      | NUMBER OF SIEVES                 |                                   |
|----------------------------|----------------------------------|-----------------------------------|
|                            | FULL HEIGHT                      | HALF HEIGHT                       |
| RX-94<br>(8" or 200mm Dia) | 2 Stacks of<br>6 Sieves w/FH Pan | 2 Stacks of<br>13 Sieves w/HH Pan |

A top cover is required for testing.

| PART #  | DESCRIPTION            |
|---------|------------------------|
| RX-94   | 110v. 60 Cycle Current |
| RX-94-1 | 220v. 60 Cycle Current |
| RX-94-2 | 110v. 50 Cycle Current |
| RX-94-3 | 220v. 50 Cycle Current |

Prices do not include test sieves.

All models are wired for single phase current only.

**Dimensions:** Unit: 30" wide x 27" deep x 26" high (75cm x 68cm x 56cm) **Weight:** Unit: 220 lbs. (100 kg)  
 Shipping: 31" wide x 31" deep x 30" high (78cm x 78cm x 75cm) Shipping: 242 lbs. (110 kg)

**RX-812 COARSE SIEVE SHAKER MODEL**


Designed to be used in coarse testing applications, the affordable RX-812 Coarse Sieve Shaker has the unique capability of using **both** 8" diameter and 12" diameter test sieves, simply by using the quick-change adapters provided. The RX-812 has a quiet operation and utilises an effective "action" that gives consistent, accurate results.

- Designed for use with 8" or 200 mm and 12" or 305 mm diameter test sieves.
- Testing applications: 4" (100 mm) down through 100 mesh (150 micron)

**Specifications**

- Oscillations per Minute: 280 (60 Hz); 231 (50 Hz)

**Recommendations regarding the maximum number of test sieves that can be used with RX-812 Test Sieve Shakers:**

| MODEL                        | NUMBER OF SIEVES  |  |
|------------------------------|-------------------|--|
|                              | FULL HEIGHT       | HALF HEIGHT                                |
| RX-812<br>(8" or 200mm Dia.) | 6 Sieves w/FH Pan | 13 Sieves w/HH Pan                         |
| RX-812<br>(12" or 300mm Dia) | 4 Sieves w/FH Pan | 6 Sieves w/HH Pan*<br>or 8 Sieves w/HH Pan |

\* Intermediate height

A top cover is required for testing.

**Dimensions:** Unit: 23" wide x 15" deep x 13" high (59cm x 38cm x 33cm) **Weight:** Unit: 43 lbs. (25 kg)  
 Shipping: 25" wide x 19" deep x 15" high (64cm x 49cm x 38cm) Shipping: 80 lbs. (28 kg)

| PART #   | DESCRIPTION         |
|----------|---------------------|
| RX-812   | 110v. 60 Hz Current |
| RX-812-1 | 220v. 60 Hz Current |
| RX-812-2 | 110v. 50 Hz Current |
| RX-812-3 | 220v. 50 Hz Current |

Prices do not include test sieves.

All models are wired for single phase current only.

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## RO-TAP® SOUND ENCLOSURE CABINETS

Designed to be used exclusively with Ro-Tap® Sieve Shakers, operating noise levels are reduced from approximately 85 dB to 78 dB. The cabinets are fabricated with 18 gauge steel and a 1" (50 mm) metal faced, acoustic foam inner liner.

### Dimensions:

R-30050: **Unit:** 34" wide x 24" deep x 31" high (86cm x 61cm x 78cm)  
**Shipping:** 38" wide x 28" deep x 36" high (91cm x 69cm x 84cm)

RX-99: **Unit:** 34" wide x 33" deep x 31" high (86cm x 83cm x 78cm)  
**Shipping:** 38" wide x 38" deep x 36" high (91cm x 91cm x 84cm)

### Weight:

R-30050: **Unit:** 110 lbs. (50 kg)  
**Shipping:** 120 lbs. (55 kg)

RX-99: **Unit:** 140 lbs. (63 kg)  
**Shipping:** 150 lbs. (68 kg)



| RO-TAP® MODEL # | CABINET PART # |
|-----------------|----------------|
| RX-29 & RX-30   | R-30050        |
| RX-94           | RX-99          |

## RO-TAP® TEST STAND

Specifically designed for the Ro-Tap® RX-29, RX-30 Sieve Shakers and RX-812 Coarse Sieve Shaker, the Ro-Tap® Test Stand can be used with or without the Sound Enclosure Cabinet.

- Allows for relatively fast, simple installation and set-up of the Ro-Tap® Sieve Shaker.
- Attractive, sturdy aluminium construction, with anchor brackets for fastening to floor or foundation.
- Allows for optimal use of available laboratory space dedicated to test sieving.

### Dimensions:

**Unit:** 20" wide x 32" deep x 28" high (50cm x 81cm x 71cm)  
**Shipping:** approx: 29" x 38" x 30" (74cm x 96cm x 77cm)

### Weight:

**Unit:** 45 lbs. (12 kg)  
**Shipping:** 50 lbs. (13 kg) \*\* Cubic weight is approx. 200 lb. (90kg)

| PART #  |
|---------|
| R-40041 |