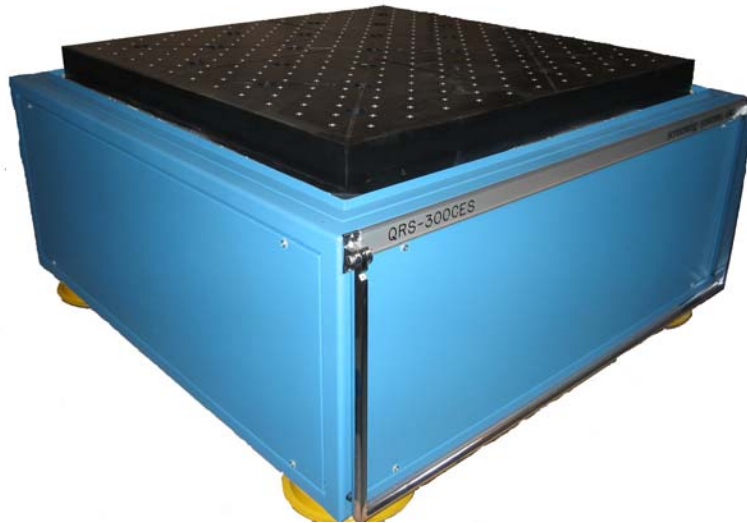


**QRS™-300 Series Vibration Screening
System for use with “AGREE” type
chambers or Acoustic Enclosures**

KEY FEATURES

- Up to 675lb/307kg load
- Portable (4 pneumatic air-glides)
For easy loading and unloading
(optional)
- External device control
- TCP/IP interface



The compactness, mobility and cost-effectiveness of the QRS-300 series systems meet the challenge making Accelerated Stress Testing easy to implement in laboratory or manufacturing environments

OPTIMIZED VIBRATION TABLE

The proprietary 6 Degree of Freedom Quasi-Random Segmented Vibration Table has been optimized for today's testing environments. The table generates repeatable, uniform, realistic 6 dof vibration motion assuring efficient precipitation of material and workmanship flaws such as bad intermittent connection and bonds and PCB opens and shorts.

ACCURATE, RELIABLE TESTING

Like other systems in the QRS series, the QRS-300series systems uses pneumatic vibrators to drive vibration table to induce controlled repeatable omni-axial excitation within the most efficient frequency range. Available with multiple sized tables, this system can easily be integrated into a new or existing “AGREE” Type chamber or acoustic enclosure. For ease of operation, the QRS-300 series systems are controlled via the SSC-2000 PC-based controller. Additional data acquisition can be added for the most versatile system on the market. This system provides user-friendly tools for easy implementation.



SPECIFICATIONS:

Vibration Table

- Omni Axial Quasi-random vibration excites all axes of motion simultaneously
- Six Degree of freedom, continuous broadband spectrum
- Six, Eight, Nine Thirteen, Sixteen, Seventeen, Twenty five impulse type hammers
- Table Top Dimensions
 - 26" D x 30"W (6/9 hammers)
 - 26" D x 38"W (8/13 hammers)
 - 44" D x 44"W (16/17/25 hammers)
- Digital Flow Valve
- Spectral Density is +/- 6db in 1/3 octave band
- Maximum Payload
 - 26x30 – 250/250lbs (114/114Kgs)
 - 26x38 – 300/325lbs (136/148Kgs)
 - 44x44 – 600/675lbs (273/307Kgs)
- Typical Acceleration (gRms)

Freq (Hz)	26x30	26x38	44x44
5-2000	36/46	37/49	33/44
5-5000	50/64	52/69	46/61

System Safeties

- Emergency power-off circuitry
- Vibration Interlock Available

System Hardware

- Table Height above Floor: 30-32.5" (762-826mm)
- Weight
 - 700lbs (318Kg) :
 - 1,000lbs (455Kg)
- Electrical Requirements: 115 or 230VAC, 1Φ, 50 to 60 Hz
- Exterior Dimensions:
 - 40"Wx36"Dx25"H (1016x914x635mm)
 - 48"Wx36"Dx25"H (1219x914x635mm)
 - 54"Wx54"Dx25"H (1372x1372x635mm)
- Console Dimensions: 25"Wx30.5"Dx62"H (635x775x1575mm)
- Air Requirements

Table	SCFM	LPM
26x30	70/100	1982/2831
26x38	90/145	2548/4106
44x44	145/235	4106/6654

Controller

- SSC-2000 PC-based Software
- Industrial or Desktop or Tower Computer
- Windows© NT/2000/XP
- Supports up to 24 control and/or product response accelerometers

Controller Safeties

- Hierarchical key lock
- Vibration set point and channel limit protection

Included

- System Installation & Training
- Data-logging
- 6 BNC plugs and control accelerometers
- 6 BNC plugs for additional accelerometers
- Table blanket
- 2 Operations and Maintenance Manuals
- RS-232 and TCP/IP Interface
- Remote Control Console

Options

- Product Response Accelerometer Kit
- SBF-100 PCB Fixture Kit
- Custom table insert patterns
- Metric Inserts
- Pneumatic Air Glides
- 12 BNC plugs for additional control and/or response accelerometers
- Table Heights > 32.5"(826mm)
- FSK-100 Fixture Kit
- Table size/Number of Hammers
- Dual table ("D" Models)
- Chamber Integration ("C" Models)



QRS-300CE



QRS-310D