

LLOYDS Research Foundation. Inc

LLOYDS Vibrationless Digital Vibroshaker



Model 92N-SV

Instrument used for accurate and fast test evaluations for color strength, color matching, dispersion, particle hardness and particle size, color comparison, tint and tone in the development, and helping to find precise flaws and its correction in the manufacturing process for producing superior and consistent quality pigments, dyes, paints, and textile emulsions upto submicron grinding level for its maximum ability for high area coverage per unit with all the realistic parameter for quality assessment.

Advance Features

- Vibration less Vibroshaker Technology for the first time in the world.
- Very fast, accurate and reproducible test results upto submicron grinding level
- Unique high tech state of the art dynamic Mechanical Gear Box Design for simultaneous reciprocation and radial tilting in equal and opposite direction on both sides to nullify vibrating forces on machine body, therefore all the energy wasted in vibration of the machine body (in conventional machines) is totally transferred to actual samples in test run with perfect colliding harmony of grinding media for accurate, faster, effective and reproduceable test result for Color Strength, Color Matching, Tint Tone, Tint Strength, Particle Size & Texture, Particle Hardness and Dispersability
- As the energy consumed in grinding in all the eight canisters are absolutely equal due to its unique gear box design for non vibrating of the machine body therefore the test results obtained from all the canisters will be equal if the weight and size of the grinding media is maintained equally
- No springs mounted base and no foundation required
- Heavy duty and continuous rating
- Negligible and easy maintenance as gearbox dynamic working mechanism is fully immersed in oil
- Test run on **Lloyds Digital programmable Vibro Shaker** can directly be related to actual grinding or dispersion process in the production mill or dispersor working, thereby pre-hand estimating of the most economical electrical power consumption and time that will be require by the mill motor to grind or disperse a particular pigment or paint to perfect quality standard
- Superior product reliability with optimum efficiency and having robust and compact chassis construction. A lifetime asset for your quality control laboratory

Technical data

Model s - 92N-SV

- Best for product testing for regular quality control and for Resource and Development work
- Accurate, fast and repeatable test result
- 16mm reciprocation in X-axis, and 30° tilting in Y-axis and 700 spm (shakes / min)
- Failsafe electronic design for high productivity with inbuilt digital programmable set and trip timer to conduct the test up to 99.9 minutes or 1.665 hrs
- Results comparable with production mill working time and estimation of power required

Accessories available for 92-NM

- Standard machine is supplied with 8 nos of 125 ml stainless steel canisters and its canisters holders
- Variety of interchangeable canisters and canisters holders for following volume is also available as extra accessories
- 250 ml, 500 ml and 1000 ml in set of 8 pcs

Electrical

- 230 Volts 50/110 volts 60 Hz
- 450 Watts power consumption

Dimension & Weight Details

- Unit physical dimension 17.5"W X 58"L X 20"H - Net Weight 135 Kgs
- Shipping Dimension 26"W X 68"L X 30"H - Gross Weight 180 Kgs

Designed, Manufactured & Marketed by -
LLOYDS RESEARCH FOUNDATION, INC.

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