

VIBRATORY SIEVE SHAKER (AS 300)

Photo of Instrument:



<b>Instrument Name</b>	VIBRATORY SIEVE SHAKER (AS 300)
<b>Instrument Model &amp; Serial No.</b>	AS 300
<b>Instrument Make</b>	Retsch, Germany
<b>Category of Instrument</b>	Analysis
<b>Description of Instrument</b>	It facilitates the fractionation, separation, and particle size analysis of the milled powders. It is precise and convenient to use and comply with ISO 9001 guidelines.
<b>Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)</b>	<p>Feed material powders, bulk materials, suspensions</p> <p>Measuring range: 20 <math>\mu\text{m}</math> - 40 mm</p> <p>Sieving motion throwing motion with angular momentum</p> <p>Max. batch / feed capacity: 6 kg</p> <p>Max. number of fractions: 11 / 17</p> <p>Max. mass of sieve stack: 10 kg</p> <p>Suitable sieve diameters: 100 mm / 200 mm / 203 mm (8") / 305 mm / 315 mm</p> <p>Max. height of sieve stack: 510 mm</p>
<b>Application of Instrument (Limited to Major 4 or 5)</b>	separation, fractioning, particle size determination of powders

## Department of Mechanical Engineering, NIT Calicut

<b>Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.)</b>  <b>Guidelines for Sample Submission – User Instructions</b>	powders, bulk materials, suspensions with particle size range 20 $\mu\text{m}$ - 40 mm
<b>Types of Analysis / Testing</b>	Analysis
<b>Faculty In-Charge Name / Email / Contact</b>	Dr. K. Sekar 9746562695 <a href="mailto:sekar@nitc.ac.in">sekar@nitc.ac.in</a>
<b>Technical Staff Name / Email / Contact</b>	Mr. Sanal P R <a href="mailto:sanal@nitc.ac.in">sanal@nitc.ac.in</a> 9497186556
<b>Location of Instrument</b>	Materials Science Lab Production Engineering Block
<b>Other Details</b>	

### User Charges:

S.NO.	Type of Analysis / Testing	Internal - within Department of NITC	Internal - Other Departments NITC	External Academic Educational Institutes	National R&D Labs	Industry
1	Testing	250/sample	250/sample	500/sample	500/sample	500/sample

### Slot Booking and Payment Work Flow: