

Sr. No.	Specifications	Quantity
01	<p>Resonance Acoustic Mixer Model: OmniRAM H(Resodyn™) Unit OR Equivalent</p> <p>Operating Specifications: The required resonance acoustic mixer must have following capabilities; Mixing and processing up to 11 lb (5 kg) of any combination of</p> <ul style="list-style-type: none"> • Solids/Powders – from nano-scale, up • Liquids/Gases • Viscous/Slurry materials • Coating, Milling, Grinding Processes • Concurrent Mixing and Vacuum at temperature • Concurrent Vacuum and Curing at Temperature • Must have Jacketed Mixing Vessel which may provide optional temperature control from 302°F (150°C) heating to 0°F (-18°C) cooling • On-board control of processing accessories • Integrated vacuum control unit • Jacketed vessel temperature control • Develop, store, and secure up to 100 recipes for permanent recording of operations and measured results • Monitor mixing parameters in real-time • Download processing data for analysis and documentation • Max Vessel Acceleration: 100g at 60Hz • Sealed Acoustic Chamber • Height Adjustable Vessel Holder Assembly • Vessels: mentioned in accessories • Mechanical Grounding to mitigate static charge <p>Control Specifications</p> <ul style="list-style-type: none"> • Human Machine interface: Full color touch screen • Operating System: Proprietary on board • Integrated Vacuum Control Unit • With remote operation <p>Power: Required Voltage at 60Hz: 240 VAC/1 phase</p>	01
	<p>Accessories:</p> <ol style="list-style-type: none"> 1. Hazardous Location Vacuum Pump 2. Jacketed Vessel with Temperature Control from 150°C heating to -18°C Cooling by customer supplied plant water or optional chiller / heater 	01 01

	<p>Easy installation and operation with OmniRAM H with pre-installed plumbing and connections. It must be equipped with RTD for temperature monitoring through mixer's HMI</p> <p>Removable and replaceable mixing vessel liner in various sizes.</p> <p>It must be equipped with two vacuum ports for optional vacuum systems</p> <p>3. Temperature Sensors 316L RTDs with m12 Connector</p> <p>4. Set up for remote monitoring of Live Mix</p> <p>5. Complete Set of Mixer Vessels suitable for Vacuum and Thermocouple and its holding units for</p> <p>50-150grams</p> <p>150-300grams</p> <p>300-500grams</p> <p>500-1000grams</p> <p>1Kg-3Kg</p> <p>3Kg-5Kg</p> <p>6. Hazardous Environment Purge Remote Panel</p>	<p>06</p> <p>01</p> <p>20</p> <p>10</p> <p>04</p> <p>04</p> <p>04</p> <p>04</p> <p>01</p>
	Necessary Spares for 10 years usage	01 set for each
	Complete Technical Brochure (providing information about components along with Cat No.), Assistance and installation Guide	