

Powder Mixer

- 1) **Scope:** Supply, Installation, Commissioning and demonstration of Powder mixer.
- 2) **Specification:**

a)	Capacity of container & Size	Machine should be able to mix 5 kg of powder (excluding container weight). SS container shall rotate resulting in full 360 degree rotation of the full container. Party has to provide the make & model no in the quotation along with supporting leaflet.
b)	Container Material	Stainless Steel
Control Panel: HMI based control panel with PLC & Variable frequency drive (VFD).		
Spin Speed		
		Up to 50 RPM. (Higher speed can also be quoted, but it should have 50 RPM in the range). Party has to quote the range also in quotation.
c)	Timer Cycle	<ul style="list-style-type: none"> • Programmable with digital display. • Party has to specify the range for ON time & OFF time.
		No of cycles
		<ul style="list-style-type: none"> • Programmable with digital display.
		Time setting per cycle
		Run Time + Off-time = 1 cycle
		Direction of rotation
		<ul style="list-style-type: none"> • Clockwise & shall be reversed after each cycle.
d)	Safety & Interlocks	<ul style="list-style-type: none"> • Door should be locked with the rotation. • Safety Guards shall be provided over the rotating body. • Motor shall be protected for current over load. • Emergency Stop switch shall be provided.
e)	Party shall provide the design configuration for the equipment for review by VSSC within 01 months from date of PO.	
f)	Motor Capacity	Motor of suitable capacity to facilitate above mixing with full capacity for 5 hrs shall be provided.
g)	Power Supply	VSSC shall provide 3phase, 50Hz, 220V connection, Necessary connection shall be provided by the party.
h)	Warranty	12 Month (minimum)
i)	Container	02 No's of size 10 L capacity container made of SS304 material suiting with above powder mixer.
j)	Delivery Period	Within 10 Month from the date of PO.

3) **Terms and Conditions**

- a) Pre-dispatch inspection (PDI) shall be carried out by VSSC personal at party's site prior to dispatch of Equipment.
- b) Party to take the full responsibility for loading-unloading, installation, commissioning & demonstration of the equipment at VSSC site as per the purchase order.
- c) Two sets of operation & Maintenance manual to be submitted by the party along with the instruments,
- d) The equipments shall be fully guaranteed for its performance as per the specification for a period of 12 months from the date of commissioning and acceptance by VSSC.
- e) The party shall ensure after sale service and availability of spare parts for the offered equipment for a period of at least 10 yrs.

f) **AMC:**

- Party shall provide Non comprehensive service for 05 years after warranty.
- AMC shall consist of 01 preventive visit/year & breakdown visit (as and when required).
- The cost of AMC shall be quoted separately in the tender.
- The cost of essential spares shall be provided in quotation separately.