

SAND MULLER



1 Application

- To prepare the green moulding sand sample for various parameters check of moulding sand in laboratory.

2 Description

- This is a motorized unit working on 230 V single phase A.C. supply with ON-OFF toggle switch, Indicator lamp, Drum to accommodate sand sample, mulling assembly consists of mulling wheel with plough & gate.

3 Operation

- Take 2 – 3 kgs. of dried sand sample & put in the drum.
- Add bentonite powder in the sand in desired percentage quantity .The percentage of bentonite to be added in the sand will be decided by the user as per their production process.
- Take desired quantity of water in the measuring cylinder.
- Switch ON the toggle switch, mulling assembly will start to rotate. Allow the sand with bentonite to be mixed for 2 minutes (Dry mixing).
- After 2 minutes slowly add water from measuring cylinder to sand & bentonite mix.
- Now allow the mulling assembly to rotate for 5-6 minutes.
- After that pull the gate so as to green mulled sand will come out from the drum, collect the sand in closed container.
- This sand sample is used to perform various tests in the Lab.
- Clean the drum & mulling assembly.

4 Precautions

- Do not put hand in the drum while mulling assembly is in rotation
- Before cleaning the drum make sure to switch off the Mains supply.
- Do not put any hard material such as stones in the sand or metal pieces, in the drum.