

Product Name :

Roll Crusher

Product Code :

ALABS-A209-005

**Description :****Roll Crusher**

The Lab setup is used to crush different sample and material. Two heavy smooth faced chilled metal rolls turning on parallel horizontal axes are the working elements of the roll crusher. A hopper is provided at the top for feeding the material. Particles of feed caught between the rolls are broken in compression and drop out below. The rolls turn towards each other at the same speed. They have relatively narrow faces and are larger in diameter so that they can nip moderately large lumps. Loading bolts are provided for safety. The maximum size of the product is approximately equal to gap between the rolls & it can be adjusted by loading bolts.

Experimentation:

To determine the efficiency of the crusher for crushing a material of known working index.

Utilities Required :

- Raw Material for Feed.

- Electric Supply : Single phase, 220 V AC, 2 kW.
- Set of Sieves with Sieve Shaker for analysis.
- Floor area 1 x 1m

Technical Details :

Material Chilled Steel

: Dia. 200mm, Width 100mm. (approx.)

Drive IP motor coupled with Reduction Gear Box to give 48-70 RPM

Feed hopper capacity.

Max feed Size

Product Size

Control Panel Comprises
of :

Energy Measurement meter.

2 HP, Single Phase,

MCB overload protection.

Instruction manual will be provided along with the Apparatus

The set-up is fitted with required guards and product collection tray.

The whole set-up is well designed and arranged in a good quality painted structure.



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