

# Magnetic Separator



**Product Categories:** [Engineering Equipment](#), [Mechanical Operation Lab](#)

**Product Page:** <https://www.labappara.com/product/magnetic-separator/>

## Product Description

Magnetic Separator

### Description:

Materials, that have different magnetic at tractability, may be separated by passing them through a magnetic field. Most often, magnetic separation techniques are used to remove iron, steel or magnetic iron oxide from materials low in magnetic at tractability. These devices operate in either a continuous or a cyclic manner. Continuous devices usually have a belt which moves over the lifting magnetic poles to carry the magnetize partials into a region of low or zero magnetic field, where they are released. The present set-up is of in-line lifting magnet type. The set-up consists of two belts moving separately in opposite direction at slow speed. Feed through a vibrating hopper is conveyed over first belt and allowed to pass near the second belt, which is under magnetic field. The magnetic field is generated by permanent magnet kept in a box. Magnetically inert material drops off the belt in a normal manner. Magnetic material is held on the belt, however, and finally drops off the belt as it leaves the magnetic field. Both the belts are fitted on the pullies and derived by an electric motor coupled with a reduction gearbox.

### Technical Details:

Weighing Balance

Belts : Width 150mm, Length 500mm

Feed Hopper : Material Stainless Steel, Suitable Capacity  
(Continuously Vibrating)

Drive: Fhp Motor With Reduction Gear Box

Magnets: Permanent Magnets Kept In A Stainless Steel Chamber

Collecting Bin : 2 Nos. One Each For Magnetic And Non-Magnetic Material

Control Panel Comprises Of: Standard Make On/Off Switch, Mains Indicator Etc

Instruction Manual : An English 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.