

# KAKKU HEAVY DUTY Electromagnetic Suspended Separators

## Self-Cleaning and Manual TYPE

Deep penetrating electromagnets, incorporating all of the latest innovations in coil design, allow KAKKU'S electromagnetic suspended separators to remove both large and small tramp metal from deep burdens on fast-moving conveyors. The separators are designed for continuous operation at peak performance.

Electromagnetic suspended separators are available in manual and self-cleaning designs. Manually cleaned magnets are discharged electrically. Self-cleaning magnets can be mounted in line with the material flow or transverse to remove the ferrous materials over the side of the conveyor.

### Standard Magnet Features:

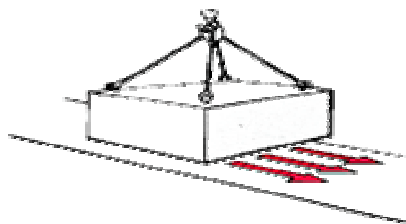
- 115 or 230 VDC copper/aluminum coils
- 100% duty cycle, natural air/ oil cooled
- Space wound coils for rapid heat dissipation Internal oil expansion chamber with pressure relief valve and drain plugs
- Heavy wear-resistant nonmagnetic steel bottom plate



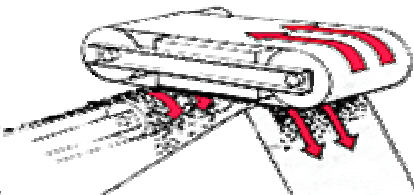
### Self-Cleaning Features:

- Heavy-duty self-aligning sealed bearings.
- Rugged structural steel frame
- Single head and tail pulleys on smaller units, compact four-pully design on larger units.
- Heavy cleated rubber belt with take-up adjustment.
- Four-point suspension
- Shaft-mounted speed reducer

### Typical Applications:



Manual Cleaning



In-Line Self-Cleaning



Transverse Self-Cleaning



Symbol Of Reliability

## INFORMATIONS REQUIRED

1. Belt Width :
2. Speed of Belt :
3. Troughing Angle( $\alpha^\circ$ ) :
4. Height of Installation of Magnet from bottom of Conveyor (h). :
5. Type of Impurities, their size and maximum weight to be lifted :
6. Material being handled by the conveyor :
7. Temperature of material being handled by conveyor. :
8. Density of material :
9. Maximum Lump Size :
10. Conveying Capacity of Belt(MT/hr) :
11. Burden depth :
12. Type of Separator required :-
  - a) Belt Type :
  - b) Manual Removal Type :
13. Control Supply available :
14. Duty Cycle :
15. Conductor Type (Al/Cu) :
16. Other details if any :

### Electronic & Power Control Co.

(AN ENTERPRISE OF KAKKU E & P CONTROL (P) LTD.)  
1, Industrial Estate, Bhilai 490 026,  
(Chhattisgarh) INDIA.



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Tel : 91-788-2382610, 2382297  
Fax : 91-788-2381797, 2321836  
E-mail : kakku\_bhilai@yahoo.com