

MagPlates™



CESCO™ Magnetic Plate Separators

**Magnetic Plates Remove Metal
Trash from Processing Lines**

Applications

CESCO magnetic plate separators are typically placed in open or enclosed chutes, ducts, or spouts and above or below conveyors where they are used to protect down-stream equipment from damage and to ensure product quality.

Description

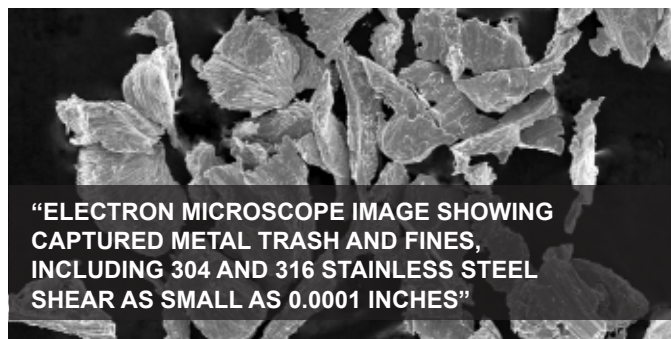
Low cost ceramic magnets can remove larger items such as nuts, bolts and tools, while powerful, rare earth, neodymium magnets capture and hold both ferrous and work-hardened stainless steel trash from nuts and bolts to fines as small as 0.0001 inches in diameter. Our combination plate magnets offer customers great value as ceramic magnets are used to pull contaminants to within range of neodymium magnets that deliver up to five times greater holding power.

Proprietary Designs

CESCO magnetic plate separators are magnetic on four or five sides and are designed with magnetic trailing edges that capture and hold trash until cleaned rather than allowing it to be brushed off and returned to product flow. Many competitive magnetic plates are only magnetic on their face which means their trash capture rate is much lower.

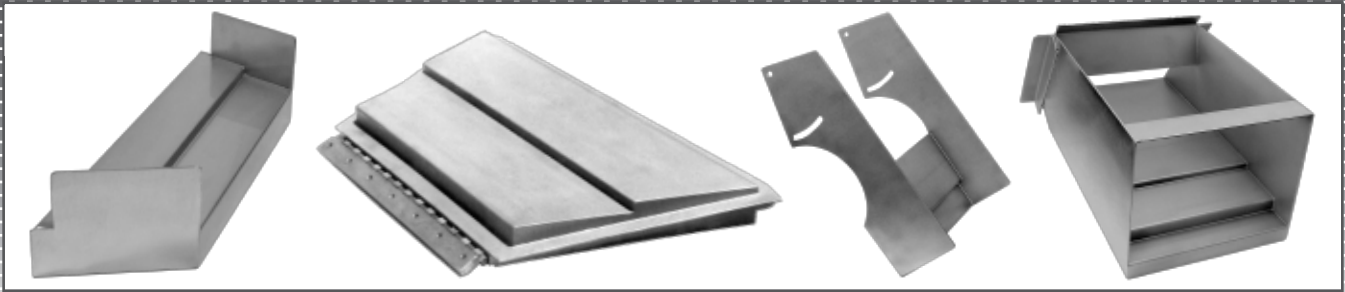
CESCO also manufactures stepped plate separators that effectively double the trash capturing capacity of similarly sized magnetic plates.

Operating Ranges
To 300° F.



1-877-624-8727
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Recommendations/Considerations for Custom Designs

CESCO recommends that the magnetic plates be placed below rather than above the product flow. We also recommend that, whenever possible, product should be in direct contact with the magnetic plates or steps. In applications where the magnetic plates cannot be placed below the product flow we recommend they be placed as close as possible to the flow.

We can fabricate separators in sizes and shapes specific to your application. Please be advised that our "length" dimension is the dimension in line with product flow, our "width" dimension is perpendicular or at a right angle to product flow, and our "depth" is the thickness or height of the magnetic plate or steps. In addition to the dimensions of application including clearances, please provide us with: (a) the product being processed, (b) the size of the product in chunk size or length and width, (c) product flow rate, and (d) depth of product flow.

If you will require mounting brackets please advise us during the design consultation.

Caution

Do not drill, saw, or hammer magnetic plates.