

Summary:

The metal separator is used to detect and separate all metals, including ferrous and non-ferrous metals (such as copper, aluminum, stainless steel) mixed in the plastic material. This machine has the advantages of fast separation speed, high detection accuracy, and easy installation, etc. It is a necessary equipment for plastic industry.

Why use a metal separator ?



Protect your machine. Because metal impurities are mixed in the process of crushing and recycling the old materials, it is easy to cause accidents in the production process increase the number of down times and maintenance costs Increase and affect production efficiency, so separation is required.



Specific hazards of metal impurities

1. Damage the screw, block the nozzle, mold runner (hot runner)
2. Increase the pressure of the hot runner and cause the plastic flow to block
3. Metal scratches the mold, increasing the maintenance burden
4. The finished product contains metal, causing short circuit and non-insulation
5. Scratch the surface of the finished product and affect the product quality

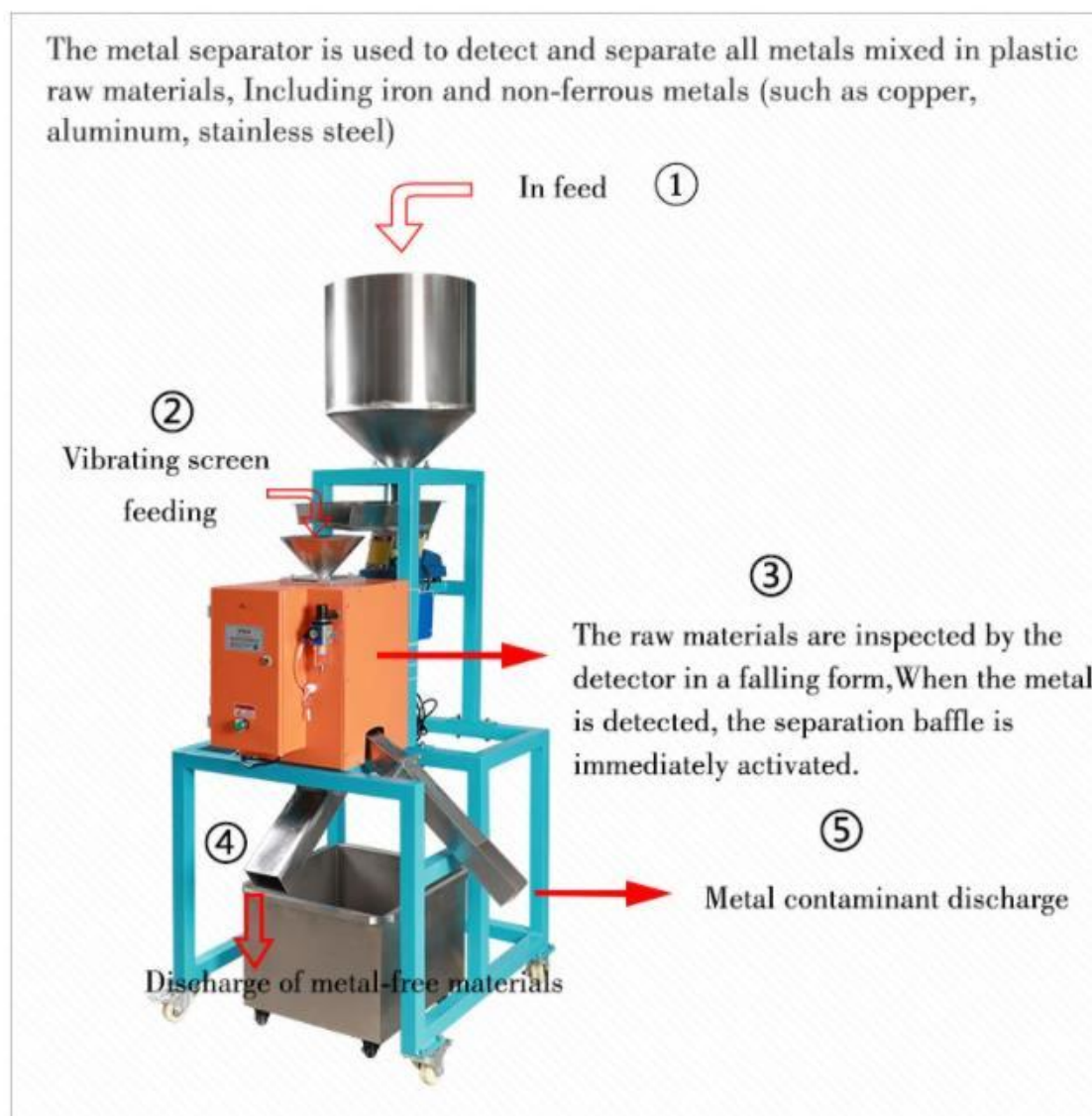
Features:

1. **Intelligent Detection-** Turn on and start running, which is convenient and quick, and maintenance-free.
2. **Reliable Performance-** Special structural design, strong stability, effective to avoid interference caused by mechanical vibration.
3. **Fast Auto Reject-** Instead of the traditional manual detection, the removal speed is fast, the production efficiency is high, and the utilization rate of raw materials is greatly improved.
4. **Maximum Detection Accuracy-** Improve product quality, but also to some extent reduce the back-end equipment, such as injection molding machine, grinder maintenance costs and loss caused by shutdown maintenance.
5. **Wide range of sensitivity adjustable-** Bespoke solution
6. **Endurable-** 304 stainless steel, sanitary and clean.
7. **Compact design-** Easy to install and operate

Specifications:

Diameter	Φ35mm
Precision	Iron φ0.4mm
	Copper φ0.5mm
	SUS φ0.8mm
Detecting Weight	300-400KG/Hr
Detection Method	Electromagnetic Wave Detection Technology
Alarm Mode	Sound and Light Alarm with auto rejection
Elimination time	0.3-5seconds (adjustable)
Gas Consumption	0.4 Liters Per Separation
Gas Input Source	0.3~0.5MBar
Output Signal Terminal	Counting signal, Reject signal
Frame Material	Paint
Input voltage /power	Single-phase AC200V 50Hz/100W
Operating Temperature	-10~+50°C
Dimensions of the main part	Length 300*Width 400* Height 440(mm)

—— Working Principle ——



Multiple diameter available

