

涡电流分选机

Eddy Current Separator



适用范围：

HTECS 系列涡电流分选机主要用于从工业和生活废料中回收非铁金属，典型的处理对象有：废铜（铝）电力电缆、铝制品、汽车废料、非铁金属碎屑、印刷电路板灰渣、含非铁金属玻璃渣、电子废品、多金属（Al、Cu、Pb、Zn）混合物、铸铜（铝）型砂及铝渣等。

主要特点：

圆筒型涡电流分选机的物理基础是基于两个重要物理现象：一个随时间而变的交变磁场总是伴生一个交变电场；载流导体产生磁场。因此，如果导体暴露在交变磁场中，或者通过固定磁场的转动形成的交变磁场中，那么在导体内就会产生与交变磁场磁通相垂直的涡电流。另一方面，导体涡电流引发的与感应磁场相对的镜像磁场，对导体产生排斥力，使导体从物料中分离出去。

HTECS 涡电流分选机，对多种非铁金属的分选效果优良，适应性强，机械结构可靠；具有结构重量轻、分选效率高、处理量大等优点，可在环保领域，特别是在非铁金属再生行业推广应用。

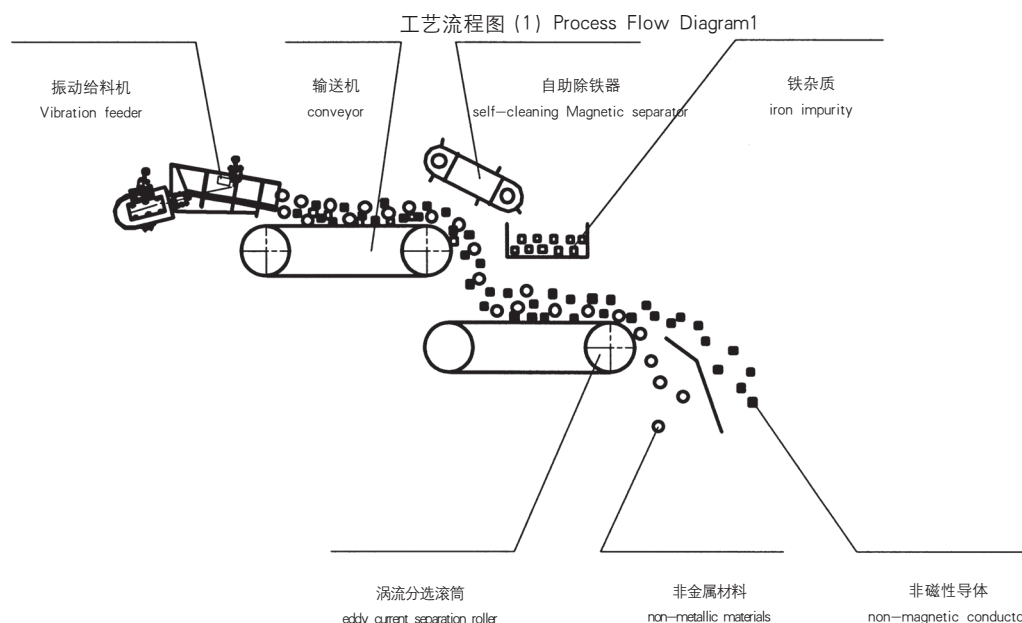
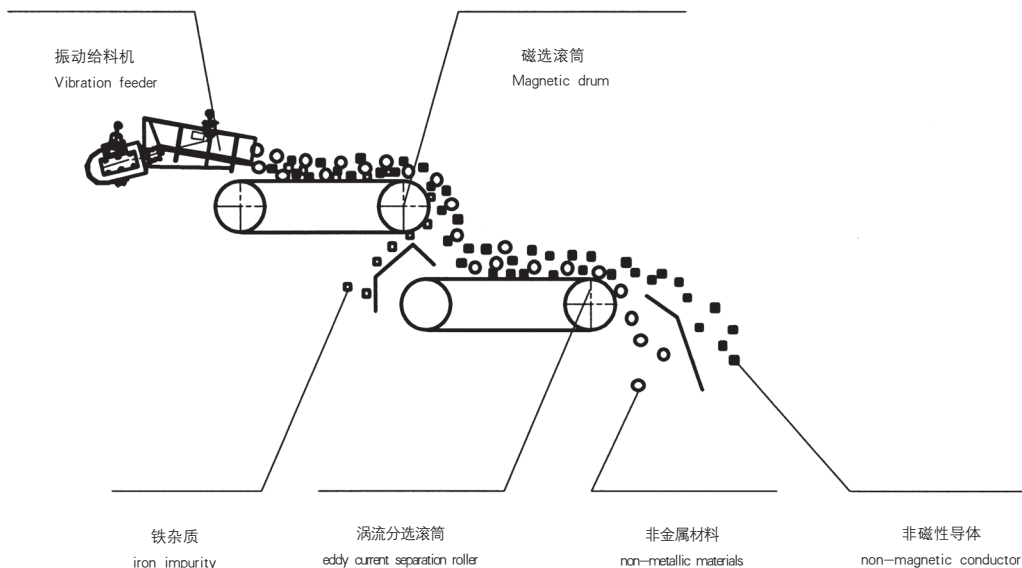
Fitting Scope:

Series HTECS Eddy Current Separator is mainly used for drawing back non-ferrous metal, typical material is: wasted copper, aluminum, cable, aluminum stuff, wasted auto spare part, non-ferrous metal scrap, dross for printing, broken glass contains non-ferrous, electronic wastes etc.

Main characteristics

Drum Eddy Current Separator is based on two essential physical phenomena: 1. There is always a transfer electric field occurred with a transfer magnetism. Therefore, the electric-conduct material is exposed on the cross magnetic field, then it would generate the current uprightness with the cross magnetic field. 2. The magnetic field generating by the conductor excludes the conductor to get it out from the material.

HTECS Series Vortex Electric Separator has the high efficiency, stable working structure, light frame, high adaptability, great processing capability characteristics. It is used widely in the environmental-protection area, especially in the non-ferrite recycle field.



工艺流程图 (2) Process Flow Diagram2

主要技术参数: The General Parameters:

参数 parameters 型号 model	项目 item	适应产量 Adaptation output m ³ /h	分选滚筒 直径 Diameter of the separation roller	磁鼓转速 Drum Speed r/min	分选筒 转速 Speed of the separation roller	外形尺寸 Appearance size L×B×H mm	电机功率 Motor power kw		重量 weight kg
							分选滚筒 Separation roller	皮带传动 Transmission belt	
	HTECS-40	≤ 4	320	50-2800	60-150	2885X1500X1695	4	1.1	1200
	HTECS-60	≤ 6	320	50-2800	60-150	2885X1700X1695	5.5	1.1	1350
	HTECS-80	≤ 8	320	50-2800	60-150	2950X1900X1695	5.5	1.5	1500
	HTECS-100	≤ 10	400	50-2800	60-150	2950X2100X1695	7.5	1.5	1900
	HTECS-120	≤ 12	400	50-2800	60-150	2950X2400X1695	7.5	1.5	2100