最专业的磁分离设备制造商

The most professional manufacturer of magnetic separation equipment

湿式滚筒磁选机

Wet Drum Magnetic Separator

用途及特点 Uses and Features

UZ-CT(S/B/N)系列永磁筒式磁选机是一种磁场较高的湿式弱磁选设备，是当今选强磁性矿物效率最高的磁选设备。根据用户需要可配用半逆流、逆流、顺流槽体，可做双筒、三筒配置使用。磁感应强度可根据现场矿物性质和工艺要求化为“中场强”。该设备结构先进、重量轻、运转可靠、维修方便，现已形成系列产品，可满足大中小型矿山选厂需要。

本产品主要用于下列场合:

1、 用于一段粗选，丢弃合格尾矿，提高回收率，降低二段磨矿负荷。
2、 用于精选，可提高精矿品位和回收率。
3、 用于强磁作业前，清除给矿中的铁磁性矿物，可防止磁性堵塞。
4、 用于选煤厂回收重介质。

Are used in Dense Media Separation (DMS) plants for the recovery of magnetic particles from the dilute medium. They must recover the maximum amount of magnetic particles at the highest possible density.

A wet drum magnets separator consists of a stationery magnet arc around which a drum rotates. The drum is partiallysubmerged in a tank which follows the contour of the drum.

UZ-CT(S/N/B) Wet permanent drum magnetic separator is a wet-type low-intensity magnetic separator with relatively high magnetic field and the most efficient magnetic separation equipment with strong magnetism for minerals.

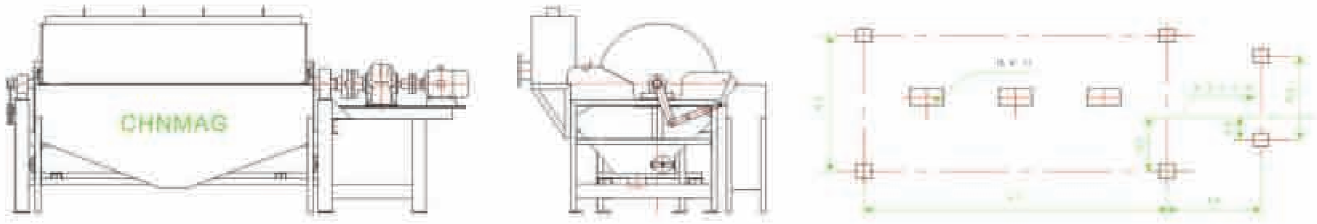
Wet drum magnets separator is ideally used to separate ferrous particles from non-ferrous particles. This kind of magnetic separators are made by us to provide ultimate protection to Crushers, Grinders, Pulverizers and allied equipment and is useful for mining and ore dressing industry, and can be equipped with semi-conflow(CTB), con-flow(CTN) and co-flow(CTS) tanks according to customers' requirements.

Its magnetic induction intensity can be designed in accordance with specific mineral properties and operation processes. Characterized by advanced structure, light weight, reliable operation, easy maintain, serialized products and standardized parts, the wet magnetic drum separator can meet the needs of plants in different size.

Applications:

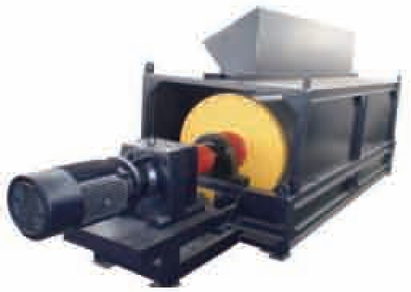
(1) For primary rough dressing and refused tails, increasing recovery rate and reducing the load of second-stage grinding.
(2) For concentration of ferromagnetic minerals, increasing ore grade and recovery rate.
(3) Used before high-magnetism separation to remove ferromagnetic minerals from the ore and prevent magnetic clogging.
(4) For recovery of heavy media at coal processing plants.

结构简图 Structure Diagram



型号、规格、参数 Specification

Drum D×L (mm)	Magnetic Induction On Drum Surface						Feeding Concentration (%)	Work Gap(mm)	Feeding			Capacity/h		Motor (kw)	Dimensions (L×W×H) (mm)
	Drum Speed (R/min)	CT series			ZG	NCT									
		Ferrite	NdFeb												
			Ave	Strong Zone	GS	GS			CTS	CTN	CTB	Dry Ore (t)	Slurry (m³)		
600×600	35	150	160	220		500-600	20-30	30-50	6-0	3-0	1-0	6-8	20-25	1.5	1950×1300×1250
600×900	35	150	160	220		500-600	20-30	30-50	6-0	3-0	1-0	10-12	32-40	1.5	2250×1300×1250
600×1200	35	150	160	220		500-600	20-30	30-50	6-0	3-0	1-0	13-17	40-55	1.5	2250×1300×1250
600×1500	35	150	160	220		500-600	20-30	30-50	6-0	3-0	1-0	15-20	50-65	2.2	2850×1300×1250
600×1800	35	150	160	220		500-600	20-30	30-50	6-0	3-0	1-0	20-25	65-80	2.2	3150×1300×1250
750×1200	35	160	170	240	300-400	500-600	20-30	35-55	6-0	3-0	1-0	23-30	60-100	1.5	2270×1780×1600
750×1500	35	160	170	240	300-400	500-600	20-30	35-55	6-0	3-0	1-0	30-40	90-130	2.2	3060×1780×1600
750×1800	35	160	170	240	300-400	500-600	20-30	35-55	6-0	3-0	1-0	35-50	110-160	3	3350×1780×1600
750×2100	35	160	170	240	300-400	500-600	20-30	35-55	6-0	3-0	1-0	38-55	120-170	3	3620×1780×1600
750×2400	35	160	170	240	300-400	500-600	20-30	35-55	6-0	3-0	1-0	42-60	130-180	4	3937×1780×1600
900×1500	24	≧170	≧180	≧300	350-450	500-600	25-35	40-60	6-0	3-0	1-0	35-65	100-150	3	3170×2020×1680
900×1800	24	≧170	≧180	≧300	350-450	500-600	25-35	40-60	6-0	3-0	1-0	45-80	120-180	3	3430×2020×1680
900×2100	24	≧170	≧180	≧300	350-450	500-600	25-35	40-60	6-0	3-0	1-0	50-90	140-200	4	3740×2020×1680
900×2400	24	≧170	≧180	≧300	350-450	500-600	25-35	40-60	6-0	3-0	1-0	55-100	160-230	4	4030×2020×1680
1050×1800	20	≧180	≧190	≧300	400-500	500-800	25-35	45-65	6-0	3-0	1-0	50-90	140-205	4	34402×170×1830
1050×2100	20	≧180	≧190	≧300	400-500	500-800	25-35	45-65	6-0	3-0	1-0	55-105	160-240	4	3750×2170×1830
1050×2400	20	≧180	≧190	≧300	400-500	500-800	25-35	45-65	6-0	3-0	1-0	65-120	185-270	5.5	4174×2170×1830
1050×3000	20	≧180	≧190	≧300	400-500	500-800	25-35	45-65	6-0	3-0	1-0	80-150	230-340	5.5	4714×2170×1830
1200×1800	20	≧180	≧190	≧300	400-500	500-800	25-35	45-65	6-0	3-0	1-0	55-95	150-220	4	3500×2320×1980
1200×2100	20	≧180	≧190	≧300	400-500	500-800	25-35	45-65	6-0	3-0	1-0	60-110	170-260	4	3770×2320×1980
1200×2400	20	≧180	≧190	≧300	400-500	500-800	25-35	45-65	6-0	3-0	1-0	70-130	200-290	5.5	4174×2320x1980
1200×3000	20	≧180	≧190	≧300	400-500	500-800	25-35	45-65	6-0	3-0	1-0	88-165	250-370	5.5	4714×2320×1980
1200×3500	20	≧180	≧190	≧300	400-500	500-800	25-35	50-80	6-0	3-0	1-0	100-190	350-525	11	4830x2300x1800
1200×4000	20	≧180	≧190	≧300	400-500	500-800	25-35	50-80	6-0	3-0	1-0	115-220	400-600	15	5330x2300x1800
1200×4500	20	≧180	≧190	≧300	400-500	500-800	25-35	50-80	6-0	3-0	1-0	130-250	450-675	15	5552x2453x1100
1500×3000	20	≧180	≧190	≧300	400-500	500-800	25-35	50-80	6-0	3-0	1-0	130-180	250-380	15	4012x2765x1285
1500×4000	20	≧180	≧190	≧300	400-500	500-800	25-35	50-80	6-0	3-0	1-0	150-220	350-450	18.5	5790x2763x1285
1500×4500	20	≧180	≧190	≧300	400-500	500-800	25-35	50-80	6-0	3-0	1-0	180-250	380-500	18.5	5585x2763x1285



UZ-FK 干式永磁粉矿磁选机

UZ-FK Dry Permanent Magnetic Separator

用途及特点 Uses and Features

UZ-FK 系列永磁粉矿干式磁选机是我公司新研制的高效能的选矿设备，可广泛用于冶金矿山及其它行业。该设备具有骚动磁场和分离因数高的特性，结构先进，重量轻、运转可靠、维修方便。本产品非常适用于干旱缺水地区，节省水资源，降低选矿成本。为磁铁矿开采和利用开辟了一条新途径。

干式永磁粉矿磁选机也可用柴油机带动，缺电地区亦可使用。除现有定型产品外，还可根据用户特定需要研制不同的磁感应强度并适用不同磁性物料的磁选机。

现已形成的系列产品，可满足大中小型矿山选厂需求。公司备有工业型样机，可为用户提供小型试验。

本产品主要用于下列场合：

1、永磁粉矿磁选机可用于低品位矿石的预选工作，预富集矿石资源，提高入磨品位，降低选矿成本。
2、用于尾矿再选，回收尾矿坝干坡段相对富集的尾矿。
3、用于硫酸渣干粉的磁选提纯。
4、用于非磁性物料的除铁，效果明显，选矿成本低廉。
5、用于磁选厂精粉提纯作业，抛除铁精粉中的贫连生体及脉石，提高精粉等级，增加选厂产品技术附加值。

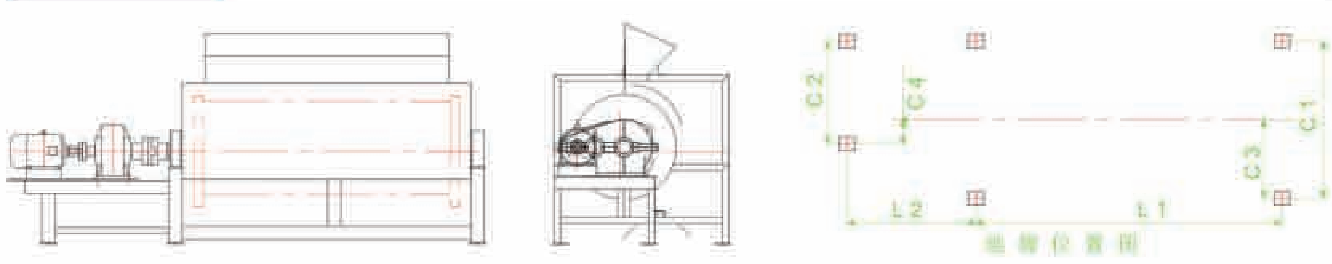
UZFK Is high-efficiency ore concentration machine newly designed by our company which is widely used to remove, purify or separate materials, allowing them to be of higher values.

Rely on our elaborative efforts, it becomes great for the dry and arid regions to save water resources and reduce production cost, opening a new way for magnetite mining and utilization. The dry permanent drum magnet separator for fine ore also can be driven by diesel engine, if it is used in region which is short of electricity Apart from existing fixed types, this kind of dry type magnetic drum separator with different magnetic induction intensity and application for different magnetic materials can also be developed according to the specific requirements of customers.

Applications:

(a) For pre-separation of low-grade ores, to pre-concentrate ores, raise ore grade and reduce production cost.
(b) For re-separation of tails, to recover relatively rich tails on the dry slope of tails dam.
(c) For magnetic purification of dry fines of pyrite cinder.
(d) To effectively remove iron from non-magnetic materials with lower cost.
(e) For purification of concentrated fines, to remove lean associated materials and gangue from concentrated iron fines, lead to the grade improvement of fines and increase the technically-added value of products.

结构简图 Structure Diagram



型号、规格、参数 Specification

型号 Type	C1	C2	C3	C4	L1	L2
UZFK0618	950	400	500	100	2100	840
UZFK0612	950	400	500	100	1500	840
UZFK0609	950	400	500	100	1200	840
UZFK0821	1320	800	650	215	2430	1000
UZFK0818	1320	800	650	215	2130	1000
UZFK0815	1320	550	650	215	1830	1000
UZFK0924	1550	800	880	215	2750	1150
UZFK0930	1550	915	880	235	3350	1150

型号 Type	滚筒尺寸 Dia x Length (mm)	转速 Rotation (r/m)	磁场强度 Gauss	矿石粒度 Material Size (mm)	处理能力 Capacity (tph)	整机重量 Weight (ton)	电机功率 Motor Power (kw)
UZFK0618	600x800	0-100	800-6000	0-7	15-60	2.5	5.5-7.5
UZFK0612	600x1200	0-100	800-6000	0-7	15-50	2.0	4-7.5
UZFK0609	600x900	0-100	800-6000	0-7	15-40	1.8	3-5.5
UZFK0821	750x2100	0-100	800-6000	0-10	60-120	4.5	5.5-11
UZFK0818	750x1800	0-60	800-6000	0-10	40-100	4.2	4-11
UZFK0815	750x1500	0-60	800-6000	0-10	40-80	3.6	4-7.5
UZFK0924	900x2400	0-60	800-6000	0-10	80-150	3.0	5.5-11
UZFK0930	900x3000	0-60	800-6000	0-10	100-200	6.8	11-22

UZ-CGT 系列永磁大块干式磁选机

UZ-CGT Dry Permanent Magnetic Separator

用途及特点 Uses and Features

UZ-CGT 系列永磁大块干式磁选机是一种新型高效能的选矿设备，该设备磁场强度高、结构先进、重量轻、运动可靠、维修方便，除现有定型产品外，还可根据用户选定需要研制不同的磁感应强度并适用各种皮带规格的磁选机（磁滑轮）。

现已形成的系列产品，可满足大中小型矿山选厂需要。

本产品主要用于下列场合：

1.用于磁选厂预选作业，抛除混入矿石中的废石，恢复地质品位，可节省 能源，提高选矿厂处理能力，延长尾矿库使用年限。
2.用于采场，从废石中回收铁矿石，提高矿石资源利用率。
3.用于钢铁厂，处理废钢渣，回收金属铁。
4.用于垃圾处理，分拣有用金属，改善环境。

注意：

1. 电机功率及皮带长度可根据现场设计。
2. 磁感应强度可以调整,以最佳性价比选矿。

UZ-CGT Dry Permanent Magnetic Separator for Lump Iron Ore is a kind of new type separation equipment for ore with high performance.

Besides existing types of drum magnet separators, our company can also develop magnetic separators (or pulley magnet) which can possess various magnetic induction intensities with different types of belts according to customers' requirements. This dry drum magnet separator has the following advantages: High magnetic induction intensity, advanced structure, light weight, reliable operation and easy maintenance.

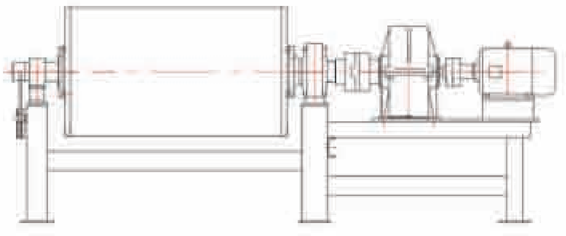
Applications:

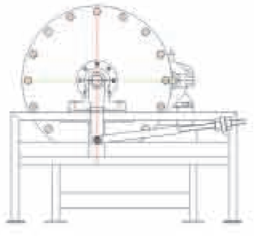
(A) For pre-separating at magnetic separation plants, to remove stones mixed in ores, restoring the geologic grade of ores, saving energy and increasing the treatment capacity of the plant.
(B) Used in mining stope to recover iron ore from waste stones and improve resource utilization rate.
(C) For slag treatment at steel mills to recover metal iron.
(D) For garbage disposal to separate and recover usable metal which would be helpful to the environment.

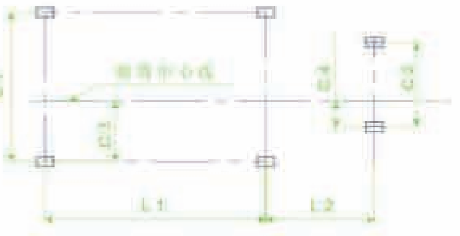
Notes:

(1) Electromotor power and belt length can be designed according to site conditions.
(2) Magnetic induction intensity can be adjusted to the best performance and price in accordance with the different characteristics of ore.

结构简图 Structure Diagram







型号、规格、参数 Specification

型号 Type	滚筒尺寸 Dia x Length (mm)	皮带速度 Belt speed (ms)	磁场强度 Gauss	矿石粒度 Material Size (mm)	处理能力 Capacity (tph)	整机重量 Weight (ton)	电机功率 Motor Power (kw)	皮带中心距长 Belt center Length (<m)
UZ-CGT0505	500×650	1.0-1.5	800-6000	50	50-80	0.4	4.0-11	10
UZ-CGT0608	630×950	1.2-1.9	800-6000	50	70-110	2.0	5.5-11	15
UZ-CGT0808N	800×950	1.2-2.1	800-6000	200	150-350	3.2	5.5-32	20
UZ-CGT0808F	800×950	1.2-2.1	800-6000	150	150-350	3.5	5.5-32	20
UZ-CGT0808	800×950	1.2-2.1	800-6000	100	100-200	3.5	5.5-32	20
UZ-CGT0810N	800×1150	1.2-2.5	800-6000	200	200-400	4.0	11-45	25
UZ-CGT1010N	1000×1200	1.2-2.5	800-6000	250	300-900	6.3	11-55	25
UZ-CGT1014N	1000×1600	1.2-2.5	800-6000	250	500-1300	10	11-132	25
UZ-CGT1210N	1250×1200	1.2-2.5	800-6000	350	500-1200	9.5	11-180	25
UZ-CGT1210F	1250×1200	1.2-2.5	800-6000	350	500-1200	10	11-180	25
UZ-CGT1516N	1500×1800	1.2-2.5	800-6000	350	800-2000	17.5	30-180	20

型号 Type	辊筒直径 Dia (mm)	辊筒长度 Length (mm)	C1	C2	C3	C4	L1	L2
UZCGT-0505	500	650	700	660	250	170	1000	900
UZCGT-0608	630	950	830	600	320	180	1300	945
UZCGT-0808	800	950	960	805	350	215	1300	1065
UZCGT-0810	800	1150	960	805	350	215	1500	1065
UZCGT-1010	1000	1200	1180	805	450	215	1560	1065
UZCGT-1210	1250	1200	1420	805	575	215	1560	1065
UZCGT-1216	1250	1800	1420	805	575	215	1560	1065
UZCGT-1516	1500	1800	1680	805	700	215	2180	1065

UZ-NCT 湿式浓缩磁选机
Wet Concentration Magnetic Drum Separator

用途及特点 Uses and Features

UZ-NCT浓缩磁选机是专门针对磁选厂上下作业段磁性矿物浓度调整而开发研制的磁选机，本机最大特点是对强磁性矿物回收率高，处理量大，浓缩效果显著，在给入矿物浓度20%-25%时，磁性铁回收率可达99.5%以上，浓度可达50%-65%。在强磁性矿物浓缩作业中完全可以取代传统的占地面积庞大的脱水槽、浓缩池。

本设备磁系结构经过优化设计，磁系包角大，磁力分布更加合理，可以使较小的筒体具备较大的分选空间，以适应大量的磁精矿通过，辅以精矿冲洗水管，调节水量大小，可确保精矿有适当的浓度。

对入料矿浆浓度变化较大的磁选厂也能调整到较稳定的浓度和较高的回收率。

UZ-NCT wet concentration magnetic separator is a newly developed magnetic separator designed for concentrating the low density ore pulp to increase the density in the magnetic separation process.

With optimized design, the magnetic separation wrapping angle is enhanced to 270 degree and the drum could provide better and stable separation capacity.

When the density of fed ore is 20%-25%, NCT drum separator could recover more than 99.5% of the ore and the density could be increase to 50%-65%This machine can completely replace space-occupying dewatering tanks and concentration basins in concentrating treatment of ores with strong magnetism.

With optimized design, the magnetic separation wrapping angle is enhanced to 270 degree allowing smaller drum having larger separating space to let large amount of magnetite concentrates pass and prevent usable ore from running off. This separator discharges ore with non-magnetic-zone scrappers assisted by flushing pipes with adjustable flow rate, to ensure desirable concentration rate of the ore.

型号、规格、参数 Specification

型号 Type	滚筒尺寸 Dia x Length (mm)	圆筒转速 Rotation (r/m)	磁感应强度 Gauss		工作间隙 Work gap (mm)	处理量 Capacity (CBM/h)	电机功率 Motor Power (kw)	外形尺寸 Dimension(mm)	总重量 Weight (KGS)
			平均 Average	NdFeB Section					
NCT1030	1070×2900	10	≥1700	≥2500	40-70	240-300	7.5	3990×2082×1689	6850
NCT1024	1070×2100	10	≥1700	≥2200	40-70	210-240	7.5	3690×2082×1689	6450
NCT1021	1070x2100	10	≥1700	≥2200	40-70	180-210	5.5	3690×2082×1689	5500
NCT1018	1070x1800	10	≥1500	≥2200	35-60	160-180	4	3640×1450×1450	5000
NCT0821	814x2100	10	≥1500	≥2200	35-60	160-180	4	3671×1450×1450	5000
NCT0818	814x1800	10	≥1500	≥2200	35-60	145-160	3	3371×1450×1450	4400

UZ-GPS 系列高频电磁振网筛
High Frequency Electro Screen

用途及特点 Uses and Features

UZ-GPS 系列高频电磁振网筛利用电磁激振器驱动传动系统，使传动系统振动筛网，达到提高筛分效率的目的。它具有操作简单，性能稳定，效率高、能耗低、筛网自清理强等特点。

该筛主要应用于细物料的筛分、分级、脱水、脱泥等，广泛应用于金属、煤炭、建材、化工、磨料等行业。

二、工作原理

筛机由电磁激振器驱动，交变电磁力通过主振橡胶弹簧、铰链橡胶弹簧、振动杆和轴使置于筛面下的振动臂做扭转摆动，振动臂的上端有橡胶条托住筛网，从而使筛网产生振动但筛框基本不动。

筛机主要由筛箱、机架、给料箱、调节杆和控制柜组成。

High-Frequency Screen consists of vibration exciter, ore pulp distributor, screen frame, machine frame, suspension springs and sieve, etc.

Application:

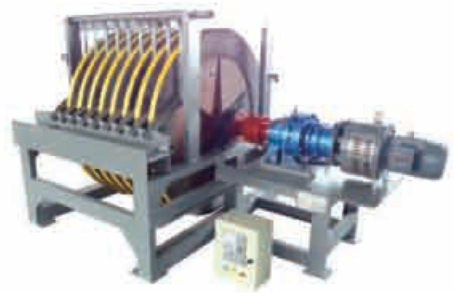
This series screens are always used in processing minerals such as ferrous metals including hematite & magnetite and nonferrous metals including Lead, Zinc, Gold and Silver etc. This machine works in a re-circulating network with ball mill, which can upgrade the fineness of ferrous and nonferrous metals. Its efficiency is twice as that of Spiral Classifier.

Features:

High efficiency, small amplitude and high frequency of screening; it differs from the conventional screens with breaking of the surface tension of pulp and small granularity high speed vibration on sieve cover and accelerates the separating of large-density useful mines and increase the contacting probability of the materials smaller than output granularity and the sieve pore. Therefore produce good condition and make the materials smaller than the output granularity, especially the big-density materials and pulp get through the sieve pore together. Its screen is made of stainless steel or nylon. The obliquity of the sieving is adjustable. If the obliquity is close to 55°, end product with fineness of 300 mesh occupies 75%.

型号、规格、参数 Specification

型号Type	筛选面积 Screen Area (m2)	功率 Power (kw)	处理能力 Capacity (t/h)	筛面倾角 Screen Inclination (degree)	入料浓度 Feeding Density (%)	重量 Weight (kgs)
UZ-GPS2020	4	1.5-5	15-25	30±5	30-40	2200
UZ-GPS2024	4.8	1.5-5	18-27	30±5	30-40	3200
UZ-GPS2424	6	1.5-5	24-30	30±5	30-40	3500



永磁盘式尾矿回收机
Disc Type Magnetic Separator for Tailings

用途及特点 Uses and Features

UZ-PC系列盘式尾矿回收机是目前最常用的尾矿回收设备，其最大的特点是结构简单、适应性强、处理量大，并适应尾矿成分较为复杂的特点，是专用尾矿再选设备。该设备结构简单、运行可靠、维修方便，高磁场梯度大，大面积吸附，可靠的刮板卸料，刮板易于更换。

Application:

Iron ore tailings recovery machine is used in iron mine to recover magnetic minerals from the tailings and reduce ore wastage. In this way, the resource can be fully used. At present, it is the newest equipment applied to tailings recovery and it plays an irreplaceable role in ore dressing line because of its high recovery rate which has made a new record in China.

Operating Principle:

Iron ore tailings recovery machine is composed of five main parts which are magnetic plates, ore-unloading equipment, ore collector, chute and body frame. After the pulp flows into the chute from one port of it, the magnetic materials will be absorbed on the surface of the magnetic plate fixed in the chute, and the nonmagnetic pulp will be discharged from the other port of it. Under the action of rotating magnetic plates, the magnetic materials are exposed from the pulp level and enter the unloading area. Being thrown into the ore collector by the ore-unloading chute, the magnetic materials will be collected and output by the ore collector.

型号、规格、参数 Specification

型号 Type	圆筒直径 Roller Diameter (mm)	圆筒宽度 Roller Width (mm)	圆筒转速 Roller Rotation (r/m)	盘面磁感应强度 Magnetic Intensity (GS)	工作间隙 Work Gap (mm)	处理能力 Capacity (t/h)	电机功率 Motor Power (kw)	设备总重量 Weight (Kg)
UZ-PC12	1200	40	180	2500/3500	40-80	80-200	3-7.5	2160-4560
UZ-PC10	1000	40	180	2500/3500	40-80	40-150	2.2-5.5	1200-3070
UZ-PC08	800	40	180	2500/3500	40-80	20-100	1.5-4	5000-1900



滚筒筛
Trommel Drum Screen

用途及特点 Uses and Features

滚筒筛是一代新型的筛料设备。滚筒筛主要有电机、减速机、滚筒装置、机架、密封盖、进出料口组成。整体与地平面成倾斜状态，外部被密封隔离罩所密封，以防止污染环境。通过变速减速系统使筛分筒在一定转速下旋转，物料自上而下通过筛分筒得到分离，细料从筛分筒前端下部排出，粗料从筛分筒下端尾部排出。

圆筒回转筛可设有梳型清筛机构，在筛分过程中可通过梳型清筛机构与筛分筒的相对运动，达到对筛体不间断清理的效果，使筛分筒在整个工作过程中始终保持清洁、不粘、不堵、不影响筛分效果。

滚筒筛性能特点

1、物料适应性广：滚筒筛广泛应用于各类物料筛分，无论是劣质煤、煤泥，还是煤烟以及其它类物料，都是顺利进行筛分。

2、进料方式简单多样：我厂研制的滚筒筛回转筛进料口可根据现场实际设计，无论是皮带、漏斗或其它进料方式，不用采取特殊措施，都可以顺畅进料。

3、筛分效率高：设备可设有梳型清筛机构，在筛分过程中，不管进入筛分筒的物料多脏、多杂都可以筛分，从而提高了设备的筛分效率。

CHNMAG UZDS Rotary Drum screen is used to separate materials by size, for example, separating the biodegradable fraction of mixed municipal waste or separating different sizes of mulch or crushed stone or sawdust. The capacity is 3t an hour In addition, the capacity based on number of factors described in this article.

Operating Principle:

CHNMAG UZDS rotary screen is consist of five parts as drum, frame, hopper, reducer and motor.
After the material into the drum, on one hand, materials being screened along with the rotation of drum, on the other hand, the bigger materials flow forward along the direction of slope and be separated by the screen with different numbers of meshes. The different materials fall into different hoppers and then are sent to different finished product stacks by manpower or belt conveyor.

Application:

Chemical, coal,construction ,gold mine ,plastic,quarry,recycling,food,agriculture etc.

型号、规格、参数 Specification

型号 Model	滚筒尺寸 Drum Size (mm)	给料大小 Feed Size (mm)	筛孔 Screen Pore (mm)	处理量 Capacity (t/h)	转速 Rotary Speed (r/min)	功率 Power (kw)	重量 Weight(t)
1000×2400	Φ1000×2400	≤15	1-15	20-50	15-19	4	3.3
1200×3000	Φ1200×3000	≤20	1-15	50-100	13-18	5.5	4.3
1500×3000	Φ1500×3000	≤20	1-20	100-150	13-18	7.5	5.3
1500×4500	Φ1500×4500	≤20	1-20	100-200	13-18	7.5	6

干式强磁辊式磁选机
High Intensity Dry Magnetic Roller Separator

用途及特点 Uses and Features

适用范围

本产品适用于弱磁性矿石精选作业和非磁性矿石去除磁性物提纯作业,如赤铁矿，褐铁矿，镜铁矿，石英砂，锰矿，钛铁矿，钾长石等的选别。

设备特点

1.磁系采用高性能稀土钕铁硼材料环面聚磁工艺制做；磁感应强度可达16000Gs，长磁线设计，磁感应密度高。
2.可分为外表配有有磁选带式（采用高耐磨、高强度聚脂材料精制而成，带厚度仅为0.35~2毫米）和辊面直接接触式（辊表采用超耐磨聚氨酯涂层工艺或耐用不锈钢包裹）。
3.传动机构根据矿物分选条件可设计为异步运转、同步运转、单辊连接、多辊连接等多种形式。
4.磁辊设计简单实用，更换皮带快捷方便。
5.采用变频器或调速器控制运转速度，可适应多类矿种的处理，实现最理想的处理量控制。
6.可选封闭式或开放式机架，根据选矿条件灵活选择。
7.可选用毛刷或感应辊式卸矿。

Application:

Dry Magnetic Roller Separator is designed for the separation of manganese ore, iron ore, hematite,ilmenite, specular hematite, potassium feldspar,chromite, mixed of accompanying iron ore and low-iron non-metallic minerals.

Operating Principle:

1. The magnetic field is of high strength and density by using poly-torus magnetic technique and decentralized overlay technique to make the magnetic field strength more powerful which could reach 16000Gs.
2. The magnetic field is more stable by adopting high-quality magnetic material and advanced techniques to ensure the separation effect.
3. The frequency conversion controlling techniques ensure the separator could be applied to different type of mineral and achieve the ideal control of capacity.
4. Magnetic roller separator could be designed as unsynchronized rolling, synchronized rolling, single roller, multiple rollers according to different character of mineral.

型号、规格、参数 Specification

辊径 Roller Dia (mm)	辊长 Roller Length(mm)	磁场强度 Magnetic Force	可磁选粒度 Applicable Material Size	处理量 Capacity (tph)
Φ110	1200	12000Gs-16000Gs	0-5 mm	5-7
Φ220	1000	12000Gs-16000Gs	0-15 mm	13-16
	1600			20-25
Φ380	1000	12000Gs-16000Gs	0-30 mm	16-25
	1600			23-30
Φ500	1000	12000Gs-16000Gs	0-50 mm	15-30
	1600			20-40
	3000			30-60



湿式高梯度强磁磁选机
High Intensity Wet Magnet ic Roller Separator

用途及特点 Uses and Features

此型号磁选机是我公司研制的主要应用于大颗粒弱磁性矿石精选作业和非磁性矿石去除磁性物提纯作业的新型选矿设备,可用于赤铁矿，褐铁矿，镜铁矿，石英砂，锰矿，钛铁矿的选别。

特点：

1.高梯度强磁磁选机具有磁场梯度高，磁感线密集。
2.磁场强度高，可达15000Gs甚至更高。
3.结构稳定，维护简易，处理量大。

Application:

Wet High Gauss Magnetic Roller Separator is designed for the separation of large size particle manganese ore, iron ore, hematite,ilmenite, specular hematite, chromite, mixed of accompanying iron ore and low-iron non-metallic minerals.

Features:

1. The magnetic field is of high strength and density by using poly-torus magnetic technique and decentralized overlay technique to make the magnetic field strength more powerful which could reach 15000Gs.
2. The magnetic field is more stable by adopting high-quality magnetic material and advanced techniques to ensure the separation effect.
3. Stable structure, easy maintenance, large capacity.

型号、规格、参数 Specification

辊径 Roller Dia (mm)	辊长 Roller Length(mm)	磁场强度 Magnetic Force	可磁选粒度 Applicable Material Size	处理量 Capacity (tph)
Φ500	1000	8000-16000Gs	0-5 mm	8--15
	1600			10--20
	3000			15-30

UZBMS 高梯度带式磁选机

UZBMS Belt High Gradient Magnetic Separator

用途及特点 Uses and Features

高梯度带式磁选机是一款专用于小细粒级矿处理（粒径不高于2mm），并对矿物中的磁性物质进行分离的高性能磁选设备。

主要应用范围：

非金属：石英、长石、高岭土、耐火材料的提纯除杂；
黑色金属：假象赤铁矿、赤铁矿、褐铁矿、菱铁矿、钛铁矿、锰矿的回收；
有色金属：黑钨矿、石榴石等矿物分离；
稀有金属：钽铌铁矿、铁锂云母、独居石、磷钇矿等矿物的回收。

主要特点：

1.独特的磁路结构，磁场梯度高，磁板表面磁感应强度可以达到1.4T，最高可达2.0T。
2.物料运动方向的宽幅磁场结构，扫选面积大，减少磁场盲区，提高效率。
3.倾斜式安装，角度可调。
4.永磁磁场，只需皮带电机，节能、省电。
5.磁性物料自动卸料，与非磁性物料卸料区完全隔开。
6.结构简单、使用维护方便，故障率低。

Belt High Gradient Magnetic Separator is a high performance magnetic separation equipment designed for small size ore(size less than 2mm) processing and magnetic material separating from mineral.

Main Application

Non-Metal Material: Purifying and removing impurity from quartz, feldspar, kaolin, fireproofing materials;
Ferrous Metal: Marmite, hematite, limonite, siderite, limonite, manganese;
Non-Ferrous Metal: Wolframite, garnet etc.
Rare Metal: Tantalum niobite, lithium iron mica, monazite, xenotime etc.

Main Features

1.With unique magnetic loop structure, high magnetic field gradient, the magnetic flux density at magnetic-plate surface can reach 1.4T, the max magnetic flux density is up to 2.0T.
2.With wide magnetic field structure of material direction, large scavenging area, meanwhile, reducing magnetic field blind zone, increasing efficiency.
3.Tilting installation with adjustable angle.
4.Power saving permanent magnetic field.
5.Magnetic material can discharged automatically, complete separated with nonmagnetic material.
6.Simple structure, easy operation and maintenance, low failure rate.

型号、规格、参数 Specification

型号 Type	磁板宽度（mm）Width of magnetic plate	物料处理量（t/h）Handing Capacity	矿浆浓度 Pulp Density	磁场强度（mT）Magnetic filed intensity	功率（kw）Power	外形尺寸 A×B×C 长×宽×高 Overall dimension (L×W×H)	重量（kg）Weight
UZBMS-6	600	8	10%-30%	皮带上表面 500-1200 Belt upper surface	1.1	3250×1450×1580	2300
UZBMS-8	800	10.5			1.5	3250×1580×1580	2530
UZBMS-10	1000	13			1.5	3450×1750×1620	3010
UZBMS-12	1200	16			2.2	3450×1950×1620	3480
UZBMS-15	1500	20			2.2	3650×2250×1720	3880
UZBMS-20	2000	26.5			3.0	3650×2810×1720	4450
UZBMS-25	2500	33			4.0	3650×3370×1720	5100

脱磁器

Mining Demagnetizer

用途及特点 Uses and Features

适用范围

本产品设计用于矿浆磁选后进行分级细筛作业之前，将矿浆进行脱磁，打散磁性矿粒间的磁团聚，消除对筛分的影响，以利于提高选矿效率和精矿品位。

主要特点

区别于传统脱磁器采用的电泳、电感衰减电路形成的不连续脉冲磁场，采用单线圈，连续锥形的磁场，具有功耗低、脱磁效率高的特点，是选矿厂提高效率、提高精矿品位的最有效设备。

采用特殊的高耐磨材料制成的非导磁管道，其耐磨性是不锈钢的3-4倍，极大的提高了脱磁管的使用寿命。

线圈产生的磁场沿轴向逐渐减弱，且为高频交变的，使沿管道流动的矿浆受到正反方向的反复磁化，强磁性矿粒的剩余磁场感应强度逐渐减弱，直至完全失去剩磁，完成脱磁过程。

Application

Demagnetizer is designed to be used before fine screen after the magnetic separation of ore slurry, demagnetize the iron ore slurry and break up the magnetic coagulation of magnetic particles which will eliminate the effect to fine screen and increase the dressing rate and fine ore grade.

Major Features

Distinguished our demagnetizer from traditional demagnetizer which use discontinuous pulsed magnetic field of inductance attenuation circuit, we use single coil, continuous cone magnetic field which obtain the advantages of low power consume, high demagnetizing rate.

Non-magnetic piles are made from special high wear-resistant material which abrasive resistance is 3-4 times of stainless steel, and enhance the life span of demagnetizer pipe.

The magnetic field strength activated by circuit decrease along the direction of axial which ensure the iron ore slurry inside pipe will be magnetized repeatedly, the residual magnetism of magnetic particles decrease until lose all the residual magnetism.

最专业的磁分离设备制造商
The most professional manufacturer of magnetic separation equipment

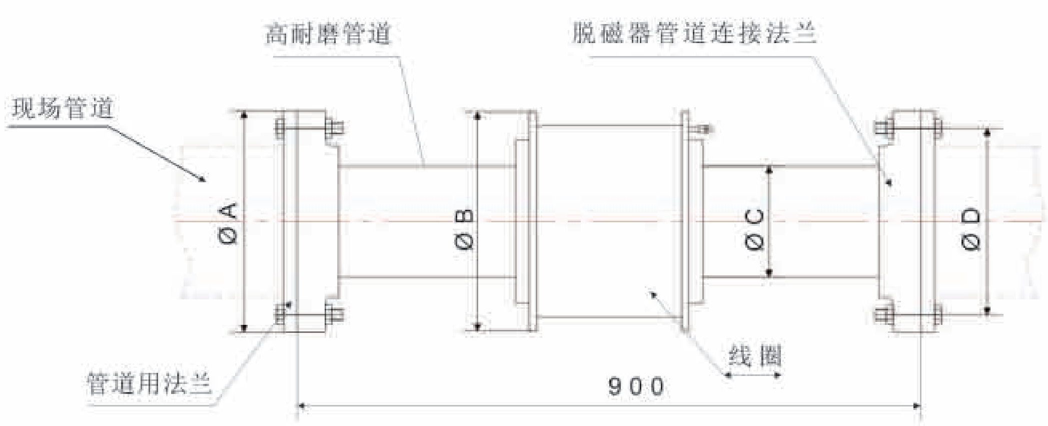
型号、规格、参数 Specification

型号 Type	处理量 Capacity (m³/h)	矿浆流速 Pulp speed (m/s)	冷却方式 Cooling method	耗散功率 Work power (kw)	输入电压 Input Voltage (V)	额定电流 Rated current (A)	脱磁管外形尺寸 Demagnetizer size (mm)	柜体外形尺寸 Control cabinet size(mm)	重量 weight (KGS)
UZ-TC-159	141	3	自冷 Natural Cooling	1.6	380	2-4	Φ159×1000	1000×600×320	141
UZ-TC-219	302	3		1.6	380	2-4	Φ219×1000	1000×600×320	150
UZ-TC-273	484	3		1.6	380	2-4	Φ273×1000	1000×600×320	178
UZ-TC-325	717	3		1.6	380	2-4	Φ325×1000	1000×600×320	192

安装尺寸 Installation Size

型号 / 规格	UZ-TC-159	UZ-TC-219	UZ-TC-273	UZ-TC-325
ΦA	239	299	353	405
ΦB	209	269	323	375
ΦC	159	219	273	326
ΦD	247	309	383	435

结构简图 Structure Diagram



筒式金属分离机
Drum Magnet with Housing

用途及特点 Uses and Features

CHNMAG筒式金属分离机是设计用于从干性物料中连续回收去除铁性金属成分。物料从运输带、振动给料机或者槽体中进入分离机，物料直接落在分离机内滚筒表面，在滚筒连续的转动过程中出去铁性金属。

工作原理：

当分离机内的滚筒不锈钢外壳转动时，干净的产品物料会不受磁场影响直接落入分离机底部的一侧槽口，而铁性金属则由于强力磁场的作用吸附在筒体表面并随着筒体转动至筒体的下部，当铁性物料到达无磁区时，便会在重力作用下落入分离机底部的另一侧槽口。

磁性系统：铁氧体或稀土磁系。
适用物料：铁性杂质、螺帽、螺栓、谷物、矿石，以及其它干性物料。
清洁方法：连续性自动清洁设计。

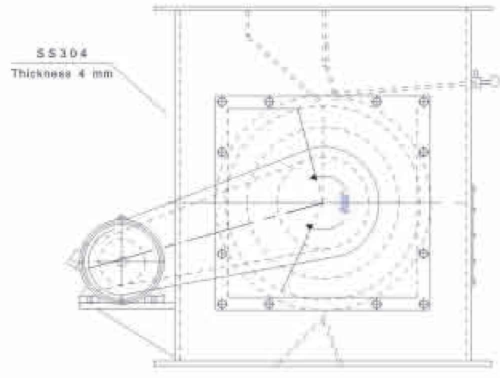
CHNMAG Drum Magnet Housing is designed for the continuous extraction of ferrous metal contamination from dry bulk material. Material is fed uniformly onto the surface of drum from a conveyor, vibration feeder or chute, ensuring continuous metal contamination removal.

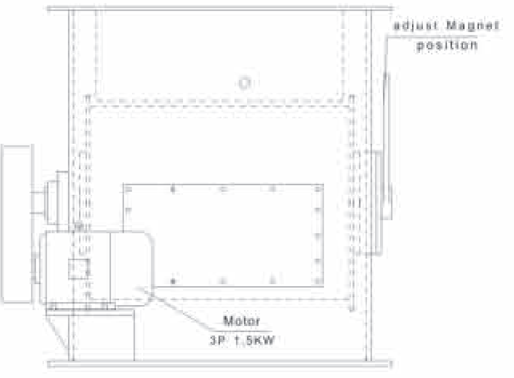
Working Principle

As the outer stainless steel shell rotates, clean product material is allowed to free fall through the one chute, while powerful magnets hold ferrous contamination to the point where the magnetism ends, discharging the metal trough the other chute.

Magnet design:Stationary Ceramic or Rare Earth magnetic assembly inside rotating drum shell.
Contaminant removal:Ferrous fragments, nuts, bolts, and other tramp metal from free-flowing granular material.
Method of cleaning: Continuous self-cleaning design.

结构简图 Structure Diagram





最专业的磁分离设备制造商

The most professional manufacturer of magnetic separation equipment

磁滑轮
Magnetic Head Pulley

用途及特点 Uses and Features

磁滑轮是一种连续从物料流中去除铁性金属的有效可靠方案。磁滑轮被安装在输料皮带的卸料端并通过磁场作用分离铁性物料和非铁性物料。

360度全磁磁性设计确保了金属性物料在带轮的中心线后方卸下。磁滑轮的转轴可设计为焊接固定式或可抽取式。

磁滑轮可装配铁氧体磁系或是稀土磁系，具体选择需根据客户现场的具体要求而定。

由于每个客户的现场需求不同，带轮的直径和长度尺寸可完全根据客户具体要求定制。

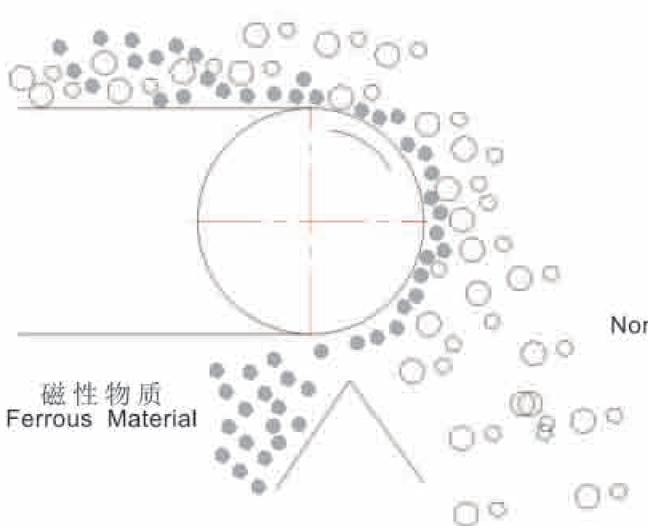
Magnetic Head Pulley is a reliable solution for the continuous extraction of ferrous metals from a product stream. Magnetic pulley are installed as a replacement head pulley at the discharge end of a conveyor to separate the ferrous material away from the non-ferrous materials.

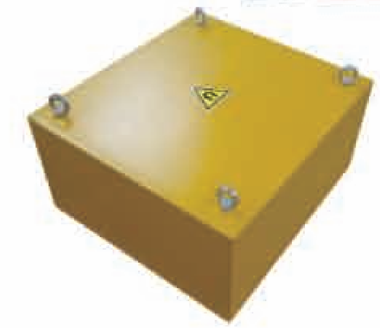
The 360 degree magnet system ensures that the ferrous materials are discharged behind the Centre line of the pulley. The shaft of pulley could be designed either welded or removable.

The permanent pulley magnets are manufactured using ferrite materials. Rare earth materials can be used when particular applications require removal of finer iron particles.

The diameter and length will be manufacture according the specific situation of clients, because of the different needs of different site or country.

结构简图 Structure Diagram





悬挂式永磁板式除铁器
Permanent Suspension Magnet

用途及特点 Uses and Features

悬挂式永磁板式除铁器可以从物料皮带中除去0.1~35公斤的铁性物料，永磁磁系可保证在10年中磁性减少不超高5%。当过多铁性物料吸附在除铁器的底部时需要用非磁性工具人工去除底部物料。

板式除铁器适用于铁料杂志不多且需连续工作的情况。除铁器现已经系列，可适用于500mm到1400mm的带宽运料皮带。如有客户有特殊需要，我司可根据客户实际情况提供合理解决方案并生产制造。

典型应用:

1.在矿业磁性分离中取出含铁物质。

2.在采石场生产过程中分离铁性杂物。

3.在木料生产过程中吸附去除如钉子螺帽等铁性物质。

Suspension magnets are specifically designed for the extraction of occasional tramp iron from a product stream being conveyed by a conveyor belt or vibratory feeder. It can remove 0.1~35kgs iron materials with more than 10 years service time of inner permanent magnet.

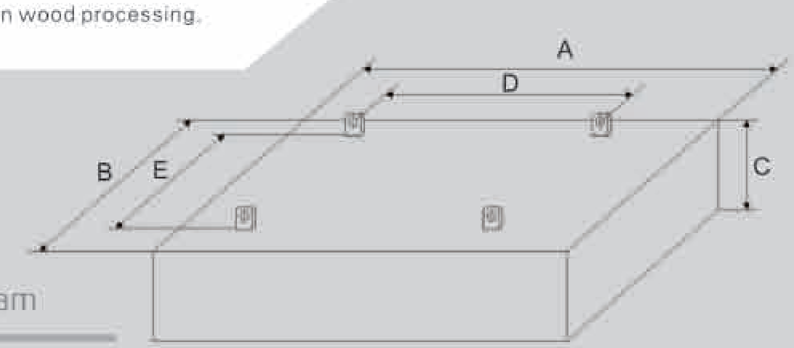
The magnet is suspended above a conveyor with sling chains setting the magnet face at the correct angle for optimum extraction. Permanent Suspension Magnet can be suspended from a travelling trolley so that it can be moved away from the conveyor to be manually cleaned.

When lots of iron materials are attracted onto the bottom of suspension magnet, use non-magnetic scraper or gloves to remove them manually. It is suitable for continuous working and low iron-content situation. Besides the current type for 500mm – 1400mm width belt, we could manufacture according to your specific needs.

Typical Applications:

1. Removal of ferrous in mining operations.
2. Separation of ferrous contamination in quarries.
3. Magnetic extraction of ferrous particles in wood processing.

结构简图 Structure Diagram



最专业的磁分离设备制造商

The most professional manufacturer of magnetic separation equipment

型号、规格、参数 Specification

型号 Type	适用宽度 Applicable Width (mm)	悬挂高度 Suspension Height (mm)	吸铁能力 Pull Capacity (kg)	主要尺寸 Main Dimension (mm)					重量 Weight (KGS)	磁系类别 Magnetic System
				A	B	C	D	E		
UZRCDK-50T	500	120	0.1-35	528	348	117	400	280	76	NdFeB
UZRCDK-65T	650	150		628	348	130	500	280	97	
UZRCDK-80T	800	200		828	508	160	700	420	248	
UZRCDK-100T	1000	230		1028	658	160	850	550	390	
UZRCDK-50A	500	100		598	488	209	450	400	165	Ferrite
UZRCDK-50B	500	170		728	573	209	600	500	284	
UZRCDK-65A	650	120		728	573	191	600	500	257	
UZRCDK-65B	650	180		828	658	219	700	550	420	
UZRCDK-80A	800	180		828	658	219	700	550	420	
UZRCDK-100A	1000	200		1028	658	219	850	500	496	

半磁滚筒

Drum Magnets

用途及特点 Uses and Features

半磁滚筒通常应用于在需要从大量连续的物料流中提取或去除铁性物料或金属杂质的情况下。半磁滚筒可以根据客户使用的具体现场要求选定设计不同大小和磁场强度的型号。铁氧体或者稀土磁系的选用完全根据客户现场具体需求。

工作原理：

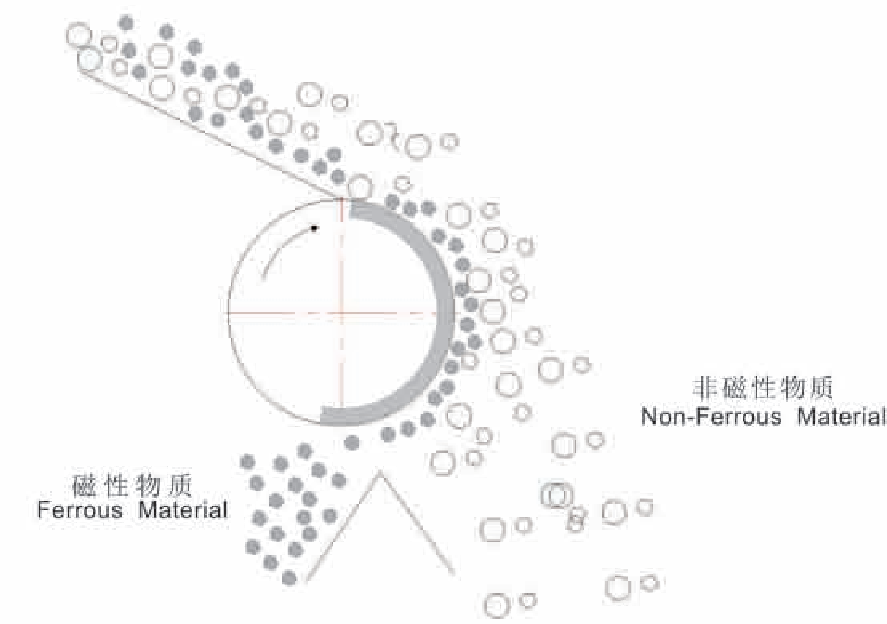
半磁滚筒装配有包角为180度的不动式磁系，并在磁系外覆盖不锈钢筒表壳。物料流自由落于给料口出的滚筒外壳上，磁性物质会在强磁场的作用下紧紧吸附在筒体表面外壳，并随着外壳一同旋转。由于磁系固定不动，而滚筒外壳在不停旋转，当物料到底筒体下方是，无磁性物质会在重力作用下落下，而有磁性物质便会在越过滚筒中心线后，以另一条轨迹落下，完成物料的磁性分离。

Magnetic Drum designed for continuous separation and self cleaning are always used in applications where there is a high through put of material to be processed and where there is a need to extract ferrous particals or metal parts from the products stream. Magnetic drum are available in a wide range of sizes and magnetic force to suit the specific requirements of customers and can either have an internal Ferrtie Magnet System (1200Gs-1800Gs) or Rare Earth Magnet System (2500Gs-6000Gs) depending on the application.

Operating Principle

Magnetic Drums are constructed with a 180 degree stationary magnet system, around which a stainless steel cover revolves. Material is freely fed onto the drum shell at the leading point of the magnet collection section. Magnetic materials will adhere to the drum shell because of the strong magnetic field as it revolves and will then be discharged behind the normal trajectory. Non-magnetic materials will free-fall forward following their normal trajectory.

结构简图 Structure Diagram



型号、规格、参数 Specification

型号Type	滚筒直径 Drum Dia (mm)	滚筒长度 Drum Length (mm)	磁场强度 Magnetic Force (Gauss)	电机功率 Motor Power (Kw)
UZMD0305	300	500	1200-6000	1.5
UZMD3850	380	500	1200-6000	1.5
UZMD0690	600	900	1200-6000	3
UZMD0618	600	1800	1200-6000	5.5
UZMD0612	600	1200	1200-6000	4
UZMD7515	750	1500	1200-6000	4
UZMD7518	750	1800	1200-6000	5
UZMD0924	900	2400	1200-6000	5.5
UZMD0930	900	3000	1200-6000	7.5

UZRCY 永磁带式除铁器
UZRCY Oveband Magnets

用途及特点 Uses and Features

UZRCY 永磁带式除铁器可与各型皮带输送机、振动输送机，或溜槽配套使用，可从运动的物料中清除换磁性杂物，以达到净化物料，提高物料品位或保护下道工序设备的目的。先进的磁系和结构设计使得UZRCY永磁除铁器在废料回收、轮胎回收、木料处理等行业的使用中效果理想。

带式永磁除铁器特点：

1、专业计算机模拟磁路设计独特的磁极结构，保证在额定悬挂高度外其磁场达到或超出国际值，磁极吸附面积大，保证有足够时间从运行物料中吸起铁磁性杂物；

2、磁场稳定，保证在恶劣环境下永磁芯在十年内磁力降低不超过5%，整机结构紧凑合理，不用电源励磁系统，不用冷却系统，不需金属控测仪配套，皮带具有自动纠偏功能；

3、特制密封轴座，适应恶劣环境下工作，能连续自动清除所吸附的杂铁，可保障长期无故障运行；

4、驱动电机拥有防爆与非防爆两种类型可供选用。

5、额定高度处磁场强度，磁场梯度都远大于普通国标永磁除铁器的标准，因此称为高于国标的超强永磁除铁器。为了适应不同用户要求，超强磁场又分为$T_1T_2T_3$三个等级；

6、采用稀土钕铁硼永磁材料作为磁源，磁性能稳定可靠，具有超强的吸力，对于大件杂铁和细小杂铁均具有良好的清除效果，可吸起埋在物料较深处的铁磁性杂物；

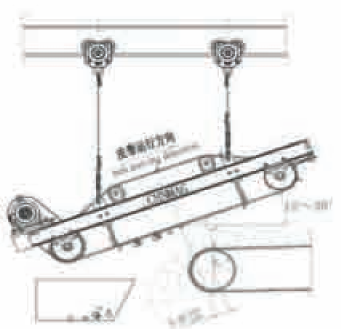
7、规格齐全，适用于500mm–2500mm带宽，并有防爆型。

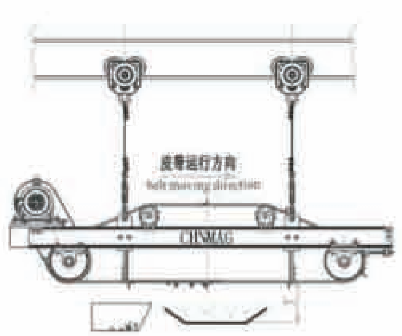
UZRCY Oveband Magnets (cross belt magnets) offer superior strength and reliability and are designed for separation of Ferrous metal from kinds of belt conveyed products. The advanced design and construction make UZRCY overband magnets ideal for use in recycling, fire shredding, wood chip, and demolition applications.

Features:

1. Powerful deep reaching magnetic circuit design to penetrate heavy product burdens.
2. Strong magnetic field intensity, high gradient and strong attractive force.
3. The unique stainless steel plate–armored belt can protect the belt from damage by sharp ferromagnetism material...
4. Non–excitation and self–cleaning will bring us energy saving and convenience in operation.
5. The belt of overband magnets has self–adjustment function and the special sealed bearing block ensure the stable working of overband magnets in harsh environment.
6. Safe specification, which meets the international standard.

结构简图 Structure Diagram





普通型除铁器型号、规格、参数 Specification

型号 Type	适应带宽 Belt Width (mm)	适用带速 Belt Speed (m/s)	悬挂高度 Suspended Height (mm)	磁场吸力 Absorb Capacity (Kg)	工作制 Working Mode	电机功率 Motor Output (kw)	重量 Weight (kg)	Dimensions(mm) 长 L	宽 W	高 H
UZRCY–50	500	<4.5	150	0.1–35	Continuous	1.5	680	1970	903	722
UZRCY–65	650		200			1.5	830	2110	1053	722
UZRCY–80	800		250			2.2	1100	2320	1253	722
UZRCY–100	1000		300			3.0	1710	2690	1453	803
UZRCY–120	1200		350			4.0	2292	2890	1713	868
UZRCY–140	1400		400			4.0	3080	3090	1913	868
UZRCY–160	1600		450			5.5	4130	3310	2143	955
UZRCY–180	1800		500			7.5	8100	3540	2420	1050
UZRCY–200	2000		550			7.5	11300	4510	2670	1050

超强磁场除铁器型号、规格、参数 Specification

型号 Type		适应带宽 Belt Width (mm)	适应带速 Conveyor Speed (m/s)	悬挂高度 Rated Height (mm)	电机功率 Motor Power kw	额定场强 Rated Height (mT)	磁场吸力 Pull Ability (Kg)	Size mm 长 L	宽 W	高 H	重量 Weight (kg)
UZRCY–65	T1	650	<4.5	200	1.5/2.2	90	0.1～35	2110	1053	722	1200
	T2					120		2110	1053	722	1350
	T3					150		2260	1053	722	1700
UZRCY–80	T1	800		250	2.2/3.0	90		2470	1253	722	1900
	T2					120		2470	1253	722	2150
	T3					150		2570	1253	722	2700
UZRCY–100	T1	1000		300	3.0/4.0	90		2840	1450	803	2350
	T2					120		2840	1450	803	2600
	T3					150		2940	1450	803	3600
UZRCY–120	T1	1200		350	4.0/5.5	90		3040	1717	868	2980
	T2					120		3040	1713	868	3950
	T3					150		3040	1713	868	5100
UZRCY–140	T1	1400		400	4.0/5.5	90		3410	1913	924	4200
	T2					120		3410	1913	924	5400
	T3					150		3410	1913	924	7340
UZRCY–160	T1	1600		450	5.5/7.5	90		3610	2190	960	6150
	T2					120		3610	2190	960	7630
	T3					150		3810	2190	980	10360
UZRCY–180	T1	1800		500	7.5/11.0	90		4045	2570	960	7950
	T2					120		4045	2570	960	10590
	T3					150		4245	2570	960	14600
UZRCY–200	T1	2000		550	7.5/11.0	90		4575	2570	960	11500
	T2					120		4810	2670	1020	14070
	T3					150		4810	2670	1070	19160
UZRCY–220	T1	2200		600	11.0/15.0	90		4810	2820	1020	13880
	T2					120		4810	2820	1070	18240
	T3					150		4810	2820	1170	25000
UZRCY–240	T1	2400		650	15.0	90		5210	3120	1070	18650
	T2					120		5210	3120	1170	23870
	T3					150		5210	3120	1182	29910

电磁带式除铁器
Electro Cross Belt Magnet

用途及特点 Uses and Features

本系列除铁器为长期工作制的自冷带式电磁除铁器，设计了台架，滚筒、卸铁皮带等部件，悬挂在带式输送机上方，通过卸铁皮带运转，可不断地自动将电磁铁吸上来的铁磁性异物抛进集铁箱，达到自动卸铁的目的。

该系列除铁器适合于从较厚料层和较大粒度矿石、煤炭、焦炭、石灰石等铁质较多的场合中除去铁磁性异物。

This series is of long work shift hanging over belt conveyer. Some parts like stand, roll, and iron discharging belt are available.

They can throw away the iron materials continuously which have been attracted into iron collecting box.

They are suitable for removing iron magnetic foreign articles from materials of thicker bed and bigger granularity that are rich in iron like ores, coal, and hard coke.

型号、规格、参数 Specification

型号 Mode	适用带宽 Applicable Belt Width (mm)	悬挂高度 Hanging Height (mm)	磁场强度 Magnetic Induction (≥mT)	物料厚度 Material Thickness (≤mm)	适用带速 Applicable Belt speed (≤m/s)	励磁功率 Excitation Power (kW)	电机 Power (kW)	外尺寸 Overall dimension (mm) L	W	H	重量 Weight (kg)
RCDD-4	400	100		70		1.3	1.5	1780	800	705	810
RCDD-5	500	150	65	100		1.89	1.5	1900	1008	730	970
RCDD-6	600	200		150		2.84	2.2	2010	1145	730	1370
RCDD-8	800	250		200		3.9	3.0	2750	1360	740	1760
RCDD-10	1000	300	68	250		6.2	3.0	2900	1600	815	2380
RCDD-12	1200	350		300	< 4.5	8.2	4.0	3200	1733	835	3450
RCDD-14	1400	400		350		11.6	4.0	3300	1890	900	4560
RCDD-16	1600	450	71	400		14.5	5.5	3350	2160	915	6350
RCDD-18	1800	500		450		17.9	7.5	3580	2450	1020	8700
RCDD-20	2000	550	72	500		27	7.5	3900	2700	1020	11200
RCDD-22	2200	600		550		31	11	4200	2810	1050	14200

RCDB系列自冷悬挂式电磁除铁器
Natural Cooling Hanging Type RCDB

用途及特点 Uses and Features

RCDB系列自冷悬挂式电磁除铁器（亦称PDC盘式电磁除铁器）是一种用于清除粉状或块状非磁性物料中杂铁的除铁装置。

1. 磁路采用计算机模拟设计，透磁深度大，磁力强，磁场梯度高保证在工作距离内有最大吸力。

2. 外壳采用全密封钢板焊接，并严格进行气密性试验。同时线圈与外壳采用真空灌环氧树脂胶固定，在极其恶劣的环境中仍能可靠运行。

3. 采用自然冷却方式，无其他额外传热、导热设备的控制，减少了故障点。

4. 其主要性能指标均符合《JB/T7689-2004》标准要求，部分指标超过国家标准。该产品可除去混杂在非磁性物料中0.1-35kg的铁磁性物质，除铁率在95%以上。

Series RCDB, also named PDC disc type electromagnetic separator, is used for removing iron from powdery or lumpy nonmagnetic material.

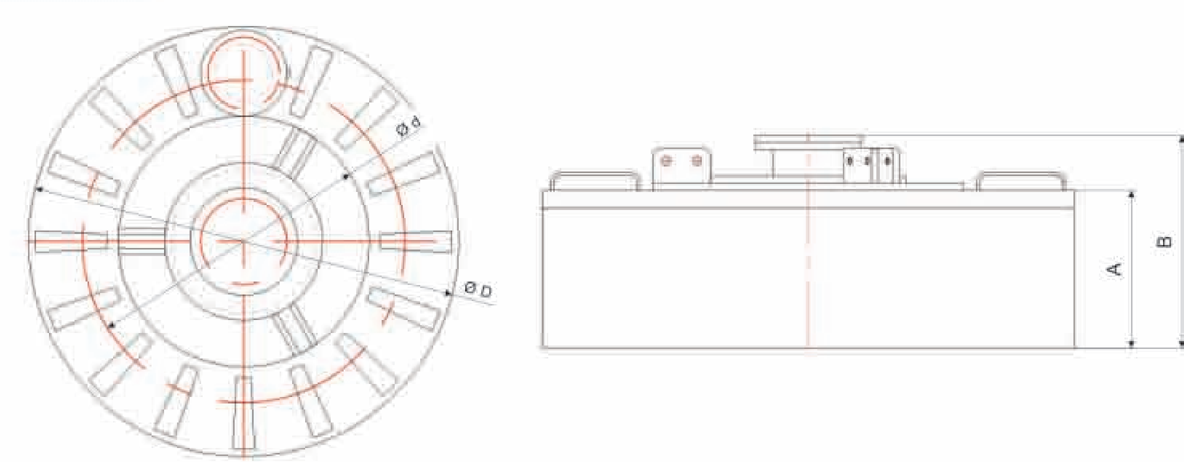
1. Magnetic circuit adopts computer simulation design, so it has a deep penetration strong magnetic force and high field gradient and can provide max attracting force.

2. The shell is welded by sealed steel plate and has gone through a strict test of air-proof. Meanwhile, a vacuum filling epoxy resin has been added between coil and shell to enable the equipment work well even in harsh working conditions.

3. Natural cooling mode is adopted which causes a less risk of fault occur

4. All tech data meet the standard JB/T7689-2004 and some are even beyond the national standard. The product can remove 0.1~35 kg materials from non-magnetic materials and the removing rate can up to 95% or more in harsh working conditions.

结构简图 Structure Diagram



型号、规格、参数 Specification

型号 Mode	适用带宽 Applicable Belt Width (mm)	悬挂高度 Hanging Height (mm)	磁场强度 Magnetic Induction (≥mT)	物料厚度 Material Thickness (≤mm)	励磁功率 Excitation Power (kW)	适用带速 Applicable Belt speed (≤m/s)	外尺寸 Overall dimension (mm)				重量 Weight (kg)
							A	B	C	D	
UZRCDE-3	300	75	57	50	0.5	2.5	400	210	255	280	220
UZRCDE-4	400	100	57	70	1.3	2.5	500	240	280	400	280
UZRCDE-5	500	150	65	100	1.89	2.5	640	280	330	450	320
UZRCDE-6	650	200	65	150	2.84	2.5	760	280	330	600	720
UZRCDE-8	800	250	68	200	3.89	2.5	950	310	365	780	960
UZRCDE-10	1000	300	68	250	6.2	2.5	1200	318	370	900	1490
UZRCDE-12	1200	350	68	300	8.2	2.5	1350	320	372	1000	2340
UZRCDE-14	1400	400	71	350	11.6	2.5	1650	405	485	1400	3420
UZRCDE-16	1600	450	71	400	14.5	2.5	1800	460	540	1600	4900
UZRCDE-18	1800	500	71	450	17.9	4.0	2100	530	610	1750	6290
UZRCDE-20	2000	550	71	500	27	4.0	2400	605	685	2100	8700
UZRCDE-22	2200	600	71	550	31	4.0	2700	760	850	2400	10500

磁性矿回收带式电磁除铁器
Electro Magnetic Separator for Iron Ore Recovery

用途及特点 Uses and Features

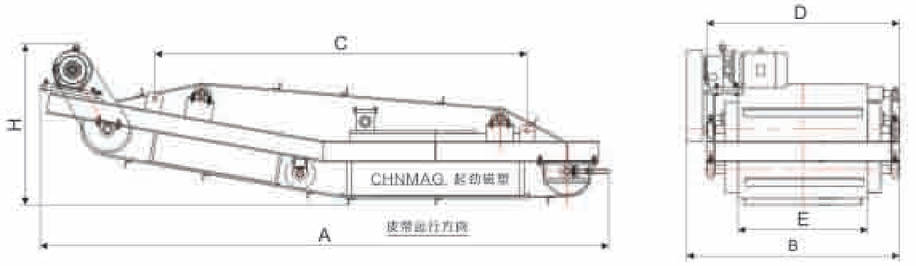
磁性矿带式电磁除铁器，采用复合磁场结构，以连续工作原理，将磁性矿中的铁件除掉。它实现了集吸铁、铁矿分离、矿石回收、弃铁于一体的功能。其工作原理如下：当输送带的金属探测仪探测到铁件通过时，金属探测仪立即发出信号给程序控制柜，则此时程序控制柜对电磁除铁器进行强励磁，当铁件到达除铁器下方则被强大的磁力吸上来，同时此时磁场较强则将一些矿石不可避免地带出来；同时带式除铁器卸料皮带连续工作，将吸取的物料搬运至弱磁场区域。在弱磁场区域由于磁性矿与铁件的磁性差异，磁性矿不被吸住而掉入输送皮带上而被回收，铁件继续被搬运至无磁区以一定的速度抛入卸铁箱中。与RCDP系列显著的区别在于此系列可连续工作，不会因除铁而引起系统生产的停止。由于除铁器与输料皮带采用水平面布置，无需RCDP的中间平台等，故占用空间少。

适用于除去各种磁铁矿、烧结矿、球团矿中的铁磁性异物。若矿石中还含有非磁性铁件（高锰钢），宜在除铁器后部再布置一台金属探测仪经检测，报警、定位，停机后人工捡除。

Series RCDPS which can work continuously removes iron pieces from magnetic ores by the structure of compounded magnetic field. Their functions include attracting, separating iron from ores, recovering and discharging with the principle as follows: when detecting passing iron pieces, the metal detector will send a signal at once to program control unit, which thus produce a strong excitation and then will attract the iron pieces which have reached the bottom of the separator, while at the same time some ores will be attracted inevitably as well. Both of them will be sent to the weak area where magnetic ores can not be attracted and will drop down onto the conveyer belt for the second recovery, while the iron pieces will go on moving to collecting box finally. Compared to series RCDP, this series can work continuously and we don't need to stop it when removing iron pieces. What's more, they don't need junction platform, as RCDP requires, so they occupy less space owing to the horizontal setting of separator and the belt.

They are suitable for removing iron magnetic materials from magnetite, sintered ores and ball ores. When non-magnetic iron pieces exist in the ores (like high manganese steel),Please set another metal detector at the tail of the separator, through detecting, warning, locating, thus the iron pieces can be removed manually after stopping the equipment.

结构简图 Structure Diagram



型号、规格、参数 Specification

型号 Mode	适用带宽 Applicable Belt Width (mm)	悬挂高度 Hanging Height (mm)	物料厚度 Material Thickness (≤mm)	额定电压 Rated Voltage (V)	励磁功率 Excitation Power (kW)	适用带速 Applicable Belt speed (≤m/s)	外尺寸 Overall dimension (mm)					重量 Weight (kg)
							A	B	C	D	H	
RCDPS-5	500	150	100	DC 0~220 0~290	0.8-12	<2.5 m/s	3150	740	1570	550	950	1350
RCDPS-6	650	200	150		1.2-18.1		3400	1010	1650	630	980	2130
RCDPS-8	800	250	200		1.5-24.7		3960	1170	1740	890	1270	2780
RCDPS-10	1000	300	250		2-30.2		4200	1380	1860	1000	1320	3450
RCDPS-12	1200	350	300		2.3-40.8		4960	1560	2450	1260	1430	4870
RCDPS-14	1400	400	350		3.6-55	<4.0 m/s	5250	1780	1940	1450	1560	5860
RCDPS-16	1600	450	400		5.1-77		5400	1850	2280	1560	1690	7100
RCDPS-18	1800	500	450		6.3-95		5650	2110	2600	1880	1780	7700
RCDPS-20	2000	550	500		7.9-120		5900	2360	2860	1970	1880	8500
RCDPS-22	2200	600	550		9.5-130		6150	2580	3050	2100	2300	12000



旋转式除铁器
Rotary Grate Magnetic Separator

用途及特点 Uses and Features

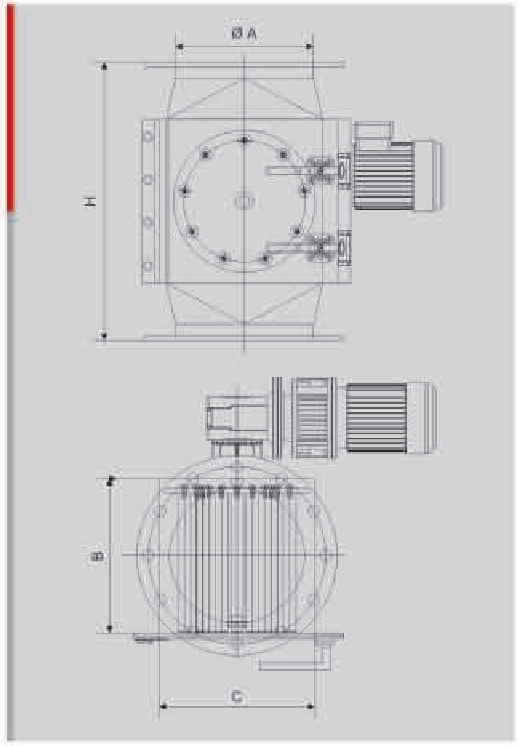
1.快速打开式结构设计,清理以及安装方便。
2.最大磁场可达12000GS,普通产品工作温度<=80℃,如需要,最大工作温度可达350℃。
3.磁棒数量按物料特性可以调整。
4.进出口可以设计成法兰或方形接口,可以方便的安装在各种管道上。
5.转动的磁棒可以防止物料结块堵塞

旋转式磁性除铁器被广泛的应用于建筑材料,化工,煤炭,食品,耐火材料以及制药等行业中,适用于粉状或者颗粒状物料的除铁,是易于结块,搭桥,堵塞的粘性或者流动性不好的物料中清除铁磁性杂质的良好选择。

1. Quick attachable design for magnetic grate means easy is assembling, cleaning and reassembling.
2. The Max magnetic strength can reaches 12,000GS. Standard working temperature ≤80°c , max working temperature 350°c
3. The quantity of magnetic bar can be increased or reduced according to the materials.
4. Square chute or round pipeline flange is available for different connections.
5. Rotating magnetic bar can prevent the material from caking and bridging.

Suitable for removing iron scrap or micro ferromagnetic contamination from powder or granule materials, especially from high viscosity or poor fluidity materials that is prone to caking or bridging. Rotary grate magnetic separators are widely used in building materials, chemical, coal, food, refractory, pharmacy industry.

结构简图 Structure Diagram



型号、规格、参数 Specification

型号 Model No.	尺寸Dimension(mm)					磁棒数量 Rods	重量 (Kg) Weight
	ΦA	B	C	H	KW		
UZRG150	150	205	208	450	0.25	7	30
UZRG200	200	255	258	500	0.25	9	38
UZRG250	250	305	308	550	0.25	11	50
UZRG300	300	355	358	600	0.37	13	62
UZRG350	350	405	408	650	0.37	15	78
UZRG2020	--	205	208	270	0.25	7	28
UZRG2525	--	255	258	320	0.25	9	35
UZRG3030	--	305	308	370	0.25	11	47
UZRG3535	--	355	358	420	0.37	13	58
UZRG4040	--	405	408	450	0.37	15	70

流体管道除铁器
Magnetic Trap for Liquid

用途及特点 Uses and Features

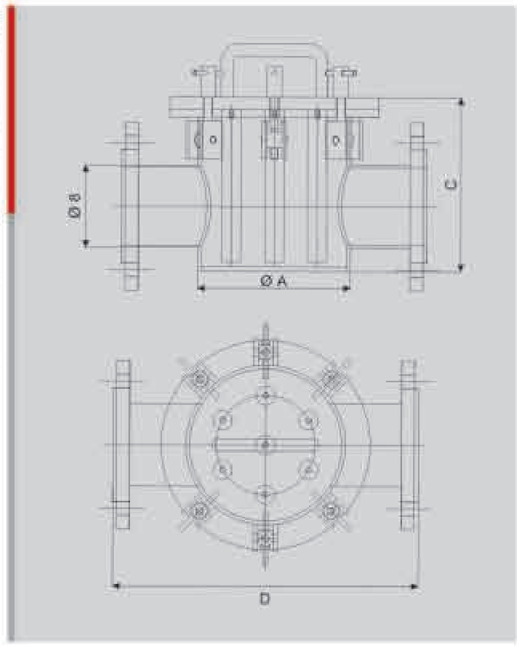
流体管道除铁器,又叫磁性流体除铁器或者磁性流体过滤器,应用于流体,半流体等不同粘性的流体物料中,去除铁杂质和其他铁磁性微粒,使物料保持清洁,同时又起到保护下游生产设备的作用。

1.为适应各种不通的使用条件,起劲磁塑开发了多种不同类型的流体除铁器。
2.磁力可选择范围同磁力架,普通型(N style)可达12000GS。
3.标准工作温度≤80℃,特殊要求下,最大工作温度可达350℃。
4.利用法兰,卡箍,螺栓板或者快速释放夹扣等设计,可以轻松安装,取出和清理磁性部件。
5.管道材料有304 或者316L 不锈钢可选。
6.合理的结构设计,确保最好的除铁效果的同时,不妨碍物料的流动。
7.压力使用要求或者其他特殊要求,可以根据客户要求

Magnetic Liquid Traps or Magnetic Liquid Filters are designed for liquid or semi-liquid flow systems to remove ferrous contamination from liquid with different viscosity level. They preserve product purity by removing small contaminants , provide magnetic protection for liquid lines and processing equipments.

1. Many different styles are available for different materials.
2. The max magnetic strength can reach 12,000GS for N style, 8000GS for E style.
3. Standard working temperature ≤ 80° c, max working temperature can be chosen from 80° c to 350° c as the same with magnetic bars if needed.
4. Connection can be through ferrule, bolt plate, flange or uneven head, etc.
5. Stainless steel 304 or316L is available for shell material.
6. Properly designed magnetic configuration ensures Maximum magnetic effect without impeding liquid flow.
7. Pressure design or other special requirement can be custom made.

结构简图 Structure Diagram



型号、规格、参数 Specification

型号 Model No.	尺寸Dimension(mm)				磁棒数量 Rods	重量 (Kg) Weight
	ΦA	ΦB	ΦC	ΦD		
UZFL150/25	159	32	150	300	5	5
UZFL150/32	159	38	150	300	5	5
UZFL150/40	159	45	150	300	5	5
UZFL150/50	159	57	150	300	5	5
UZFL150/65	159	76	150	300	5	5
UZFL200/50	200	57	200	350	7	7
UZFL200/65	200	76	200	350	7	7
UZFL200/80	200	89	200	350	7	7
UZFL200/100	200	108	200	350	7	7
UZFL250/80	250	89	250	400	9	9
UZFL250/100	250	108	250	400	9	9
UZFL250/125	250	138	250	400	9	9
UZFL250/150	250	159	250	400	9	9
UZFL300/125	300	138	300	450	9	9
UZFL300/150	300	159	300	450	9	9
UZFL300/200	300	219	300	450	9	9

抽屉式除铁器
Drawer Magnets

用途及特点 Uses and Features

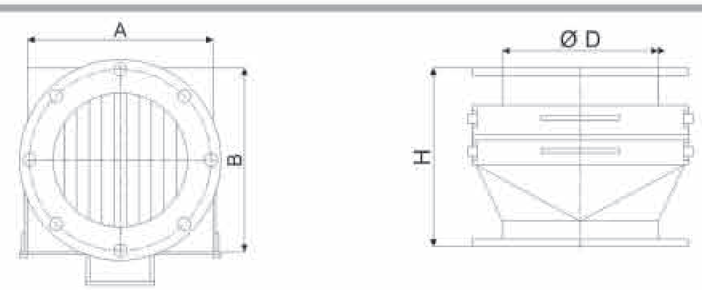
抽屉式除铁器被广泛应用在陶瓷，化工，塑料，香蕉，染料，矿业，环境保护等领域，用于干性的粉末状，片状，颗粒状材料中清楚铁磁性杂质，例如白糖，谷物，茶叶等。

1. 有普通型（N型）最大磁场12000高斯和易清洗型（E型）最大磁场8000高斯可供选择。
2. 进出口可设计成圆形或方形法兰接口，根据客户要求设计，方便与现场的安装使用。
3. 普通产品工作温度≦80℃，如需要，也可以提供最大工作温度达到350℃的产品。
4. 磁力架可以根据客户要求，提供单层，双层或多层结构。
5. 抽屉式除铁器材料有SS304和SS316可供选择。

Drawer magnets are designed for efficient fine iron and ferromagnetic contamination removing from a range of dry free flowing powder, scrap, granule product such as sugar, grain, tea, etc. They are widely used in field of ceramics, chemicals, pharmacy, food, plastic, rubber, dyestuff, mining, environmental protection, etc.

1. Normal drawer magnet (N Style) with max magnetic strength 12000Gs and Easy Cleaning drawer magnet with max 8000Gs are available.
2. Square chutes and round pipelines flange can chosen to suit customers' requirements for easy installation.
3. Standard working temperature ≦80℃, Max working temperature 350℃ is available as well.
4. One row, tow rows or more rows magnetic grid can be produced according to customer requirement.
5. Housing and magnetic tube material are SS 304 or SS316 at customer request.

结构简图 Structure Diagram



型号、规格、参数 Specification

型号 Model No.	尺寸Dimension(mm) D	H	A	B	重量（Kg）Weight
UZD-NR-150	159	286	208	205	15
UZD-NR-200	219	286	258	255	25
UZD-NR-250	273	286	308	305	45
UZD-NR-300	325	286	358	355	56
UZS-NR-150	159	216	208	205	12
UZS-NR-200	219	216	258	255	25
UZS-NR-250	273	216	308	305	37
UZS-NR-300	325	216	358	355	46

驼峰式管道除铁器
Hump Magnet

用途及特点 Uses and Features

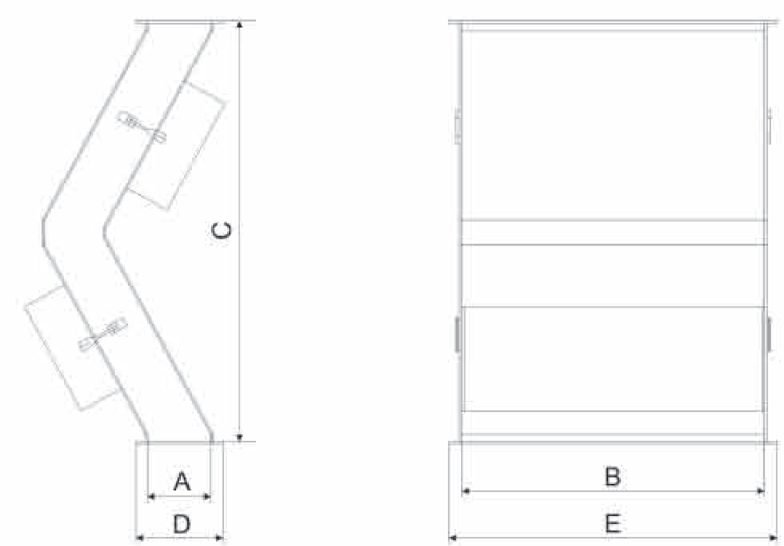
1.磁板应用的一个分离系统。
2.磁板可以根据客户要求，使用稀土永磁或者铁氧体永磁，管道箱体材料可以使用304或者316不锈钢。
3.斜角设计可以促使物料直接撞击磁板，防止物料堆积结块搭桥，甚至使已经结块的物料裂开，提高分离效率。
4.结构简单，清洗方便。
5.进出口或者其他特殊要求可以根据客户订做。

驼峰式管带除铁器在封闭式的生产线，清洗重力流或者风力传送物料中的铁块，铁屑等铁磁性杂质，以保证物料在入仓之前清洁，或者保护下道工序中设备的安全。

1. One separation unit from plate magnet.
2. Magnetic plate can be made from rare earth magnet or ferrite as customer's request, Housing material can be 304 or316 stainless steel.
3. The angle shape directs the material flow into the magnetic field and prevent building up and bridging, and also break up clumps of product to improve efficiency of separator.
4. Simple structure, easy cleaning and assembling.
5. Inlet, outlet or other special requirement can be custom made.

Hump Magnets are used to remove large pieces of tramp iron as well as ferrous fragments from gravity-flow materials or material flow activated by wind in enclosed flow lines before they reach storage bins or processing equipment. They can be mounted in spouting lines iron the processing machines.

结构简图 Structure Diagram



最专业的磁分离设备制造商
The most professional manufacturer of magnetic separation equipment

型号、规格、参数 Specification

驼峰式管道除铁器（铁氧体系列）Ferrite Type

型号 Model No.	尺寸 Dimension(mm)					重量（Kg） Weight
	A	B	C	D	E	
UZFHM120	120	150	470	170	200	36
UZFHM150	150	178	750	250	220	43
UZFHM200	200	178	750	300	220	56
UZFHM250	250	178	750	350	220	70
UZFHM300	300	178	750	400	220	84
UZFHM350	350	200	1110	450	300	110
UZFHM400	400	200	1110	500	300	124
UZFHM450	450	200	1110	550	300	140
UZFHM500	500	200	1110	600	300	160

钕铁硼系列 Rare Earth Type

型号 Model No.	尺寸Dimension(mm)					重量（Kg） Weight
	A	B	C	D	E	
UZFHM120	120	150	470	170	200	30
UZFHM150	150	178	750	250	220	40
UZFHM200	200	178	750	300	220	48
UZFHM250	250	178	750	350	220	56
UZFHM300	300	178	750	400	220	60
UZFHM350	350	200	1110	450	300	80
UZFHM400	400	200	1110	500	300	100
UZFHM450	450	200	1110	550	300	120
UZFHM500	500	200	1110	600	300	140

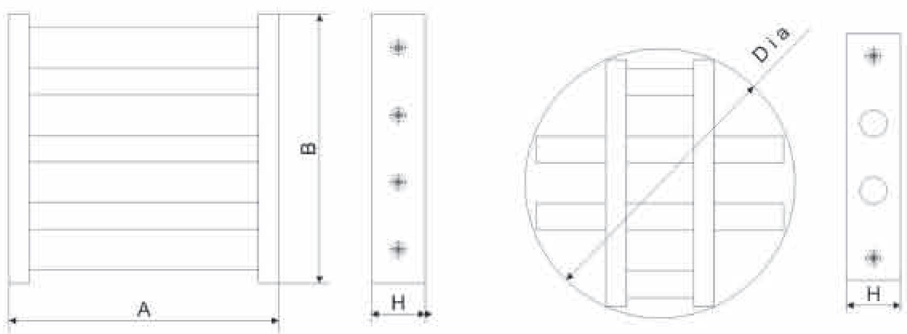
永磁格栅
Magnetic Grate

用途及特点 Uses and Features

1.架子以及管子材料是304或者316L不锈钢,耐腐蚀,无污染。
2.标准磁力架由金属架和25mm直径的磁力棒以中心距离50mm的间距排列之后,螺丝固定组装或者焊接而成。
3.磁力架,磁棒表面可以抛光,以达到食品或者药品使用等级要求。
4.最普通产品工作温度<=80℃,如需要,也可以提供最大工作温度可80℃-350℃的产品。
5.普通型,易清洗型,带导流棒或者导流板型,方形,圆形以及客户要求的其他特殊规格都可以提供。
磁力架安装或者简单放置在储料器,抽屉箱,料斗等地方,用于捕捉清除铁屑,铁片以及其他一些金属物质。对于高磨损物料应用,需要特别提出。

1. Frame and tube material is 304 or 316L stainless steel, good corrosion resistance and no pollution.
2. Standard magnetic grates are assembled with stainless steel frame and 25mm diameter round bars.
3. The frame and magnetic bar surface can be fine polished and full welded to meet food grade or pharmacy application.
4. Standard working temperature<=80℃, if needed, max working temperature from 80℃ to 350℃ is also available.
5. Normal item (N style), Easy-cleaning (E style), grate with angle baffles or rod are available.
Magnetic Grate is installed or simply laid-inside of hoppers, housings, and bins to trap and hold ferrous fines, fragments, and small metal objects. Please be aware these grates are built for low-abrasion materials.

结构简图 Structure Diagram



易清洗
Easy Clean Type

原型系列
N Style

带直角导流板磁性格栅
Grate with Angle Baffle

型号、规格、参数 Specification

N型磁力架 N Style Magnetic Grate

型号 Model No.	尺寸 Dimension(mm)			Bars	重量(Kg) Weight
	A	B	C		
UZMG10/10S	100	100	40	2	1
UZMG15/15S	150	150	40	3	2.2
UZMG20/20S	200	200	40	4	3.7
UZMG25/25S	250	250	40	5	5.5
UZMG30/30S	300	300	40	6	8
UZMG35/35S	350	350	40	7	10
UZMG40/40S	400	400	40	8	13.5
UZMG45/45S	450	450	40	9	17
UZMG50/50S	500	500	40	10	20.5

圆形磁力架 Round Shape Series Magnetic Grate

型号 Model No.	尺寸Dimension(mm)	H	Bars	重量(Kg) Weight
UZMG-R100	100	40	2	0.9
UZMG-R150	150	40	3	1.5
UZMG-R200	200	40	4	2.5
UZMG-R250	250	40	5	3.7
UZMG-R300	300	40	6	5.5
UZMG-R350	350	40	7	7.5
UZMG-R400	400	40	8	10
UZMG-R450	450	40	9	12.3
UZMG-R500	500	40	10	15.5

磁棒
Magnetic Bar

用途及特点 Uses and Features

磁棒主要应用于磁力架构成的磁性分离器中，可以有效的吸除松散的或者流动的原料中的铁杂质和金属小颗粒。

1.标准的圆柱形磁棒直径是25mm（1英寸），长度可以根据客户要求加工，最长的可以达到2500mm。方形或者其他不同形状尺寸的磁棒也可以提供。

2.起劲磁塑的磁力棒通常使用304或者316L无缝不锈钢管，表面可以抛光，以符合食品，制药等领域的特殊要求。

3.我们常规产品最大工作温度是80℃，针对客户特殊需要，我们能提供最高工作温度达350℃的产品。

4.多样化的两端设计-----尖头，螺纹孔，螺柱等。

5.使用铁氧体永磁以及不同牌号的稀土永磁，可以生产不同表磁的磁力棒以满足不同客户的需求，D25mm的磁力棒最大表磁可以达到12000GS.

Magnetic bars are the main part of different magnetic grate separators. They can effectively remove ferrous chips and metal particles from loosely packed, free flowing materials.

1.Standard bars is 25mm(1 inch) in diameter and any length per customer' s request, the max length up to 2500mm. Square or other magnetic tubes with different shapes and dimensions are also available.

2.CHNMAG magnetic bars usually made of seamless 304 stainless steel tubes or 316 stainless steel tubes can be fine polished and full welded to meet food grade or pharmacy application.

3.Usually max working temperature is 80℃, we can offer up to 350℃ to meet your special applications.

4.Various ends-nail head, thread hole, double screw bolt and other kind end are also available.

5.By using ferrite magnets or different magnetic grade rare earth magnets, different magnetic strength are available to meet every customer' s requirement , the highest magnetic strength of diameter 25mm(1inch) tubes can achieve 12000GS(1.2T)

型号、规格、参数 Specification

磁棒（磁棒直径和表磁，耐温的关系表）

型号 Model No.	磁力强度 Magnetic intensity (GS)						
	2500GS	5000GS	7000GS	9000GS	10000GS	11000GS	12000GS
Φ10	√EH	√H	-	-	-	-	-
Φ16	√EH	√EH	√EH	√H	√H	-	-
Φ19	√EH	√EH	√EH	√H	√H	-	-
Φ20	√EH	√EH	√EH	√SH	√H	√H	-
Φ22	√EH	√EH	√EH	√EH	√EH	√H	-
Φ23	√EH	√EH	√EH	√EH	√EH	√H	-
Φ25	√EH	√EH	√EH	√EH	√EH	√EH	√H
Φ28	√EH	√EH	√EH	√EH	√EH	√EH	√H
Φ32	√EH	√EH	√EH	√EH	√EH	√EH	√H
Φ38	√EH	√EH	√EH	√EH	√UH	√H	√H
Φ50	√EH	√EH	√EH	√UH	√UH	√H	√H
Φ76	√EH	√EH	√EH	√H	√UH	√H	√H
Φ100	√EH	√EH	√H	√H	-	-	√H

备注：

1."√"表示在相应直径下能制造出该磁力强度的磁棒，"-"表示不能制造。

2.直径38一下的磁棒，耐温EH的用钐钴磁钢，直径38以上的不考虑用钐钴磁钢。

3.不同系列对应的最高温度。
H系列：120℃ Sh系列：150℃
Uh系列：180℃ Eh系列：350℃