



# 马鞍山市白云环保设备有限公司

Ma'anshan Baiyun Environment Protection Equipment Co.,Ltd

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## 【MAS Baiyun CTDG Dry Drum Magnetic Separator】

### Brief

CTDG Dry Drum Magnetic Separator is a new type high-efficiency magnetic pre-separation equipment for materials with big size, such as lump iron ore, mill sales and other ferrous metals.

### Features

#### **Strong Induction Intensity**

The equipment has high magnetic induction intensity to attract the ore with size up to 350mm, and can be applied with various model belts according to the customers' demands. It is mainly used at the pre-separation stage to reject excess gangues.

#### **Maximise Recovery of Ferrous Metals**

High performance magnet design to suit your application (ferrite, rare earth) to provide the most effective and efficient method of metal recovery.

#### **Minimise Maintenance**

Wear resistant non-magnetic drum skin. Permanent magnet drums are built using high intensity non-deteriorating material, so not only is no power required to the magnet, but it will also provide maximum magnetic force for the lifetime of the machine. High permeability magnetic circuit to minimise stray magnetic fields, prolonging their life.

#### **Optimise Throughput**

Deep field magnet systems penetrate through the product burden and remove the maximum amount of ferrous metal. This allows for a higher throughput of material to be separated efficiently.



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## Main Dimension and Technical Data

Specifications & Models	CTDG	CTDG	CTDG	CTDG	CTDG	CTDG	CTDG	CTDG	CTDG	CTDG
Technical performance	1515N	1214N	1210N	1010N	0812N	0810N	0808N	0606N	0505N	0405N
Drum diameter(mm)	1500	1250	1250	1000	800	800	800	630	500	460
×Drum length(mm)	×1800	×1600	×1150	×1150	×1400	×1150	×950	750	×550	×520
Conveying belt width(mm)	1600	1400	1000	1000	1200	1000	800	650	500	500
Conveying belt speed (m/s)	1.6-2.5	1.6-2.5	1.6-2.5	1.6-2.5	1.6-2.5	1.6-2.5	1.0-2.5	1.0-2.0	1.0-2.0	1.0-2.0
Magnetic Intensity on drum surface In separation zone(mT)	≥3000	≥3000	≥3000	≥3000	≥3000	≥3000	≥3000	≥3000	≥3000	≥3000
Ore diameter upper limit (mm)	350	350	350	250	200	200	200	70	50	40
Capacity(t/h)	600-800	500	300-350	300	400	250	200	80	50	40
Drum Weight(t)	6	5.5	3.7	2.8	2	1.6	1.2	1	0.35	0.3

Note:

1. Driving Engine Power depends on the length of conveyor belt required actually.
2. "N" in the model notes NdFeB magnetic circuit

## Applications

- Used for preconcentration in the magnetic separation mill, remove the waste stones out of the ore and restore grade.
- Used for stope to recover iron ore from the tailings and increase the utilization rate of ore resources.
- Used for the iron and steel factories. Handle the discarded steel slag and mill scales to recover the iron.
- Used for the garbage handling. Recover the useful metals and improve the quality of environment.