



Magnetic Separator

Application Of The Magnetic Separator

The [Magnetic Separator](#) can separate the raw materials with different magnetic rigidities. The machine works under the magnetic force and machine force. Magnetic Separators are designed to recover ferromagnetic materials. The separators are available in designs and sizes to provide solutions for all applications. The heart of each separator is the magnetic system with its unique design, which has a proven record of high efficiency. The Magnetic Separators are available in cyclic design with process vessel diameters from 220 mm to 3,050 mm.



[Magnetic Separator](#) is one kind of efficient equipment for processing fine, feebly magnetic minerals, such as hematite, limonite, wolfram, ilmenite, and tantalum-niobium, etc. In recent years, it is also more and more applied in purifying quartz, feldspar and nepheline. Its magnetic system is a ring-shape chain closed magnetic circuit with energizing coils made of copper tube and cooled internally by water. Grooved plates made of magnetic conductive stainless steel are used as magnetic matrix. It possesses the following



advantages: short magnetic circuit, little magnetic flux leakage, high magnetic intensity, low energy consumption, fine beneficiating results, simple structure and easy to maintain. They have been found widely used in more than 20 mineral processing plants of China.

Advantage Of The Magnetic Separator

- 1) Short magnetic circuit,
- 2) little magnetic flux leakage
- 3) high magnetic intensity
- 4) low energy consumption
- 5) fine beneficiating results
- 6) simple structure and easy to maintain.

Technical Data Of Magnetic Separator

Model (m)	Capacity (t/h)	Power (kw)	Weight (T)
CTBΦ600×600	5-10	Y1.1-4	0.85
CTBΦ600×900	8-15	Y1.1-4	0.91
CTBΦ600×1200	10-20	Y2.2-4	1.13
CTBΦ600×1800	15-30	Y2.2-4	1.34
CTBΦ750×1200	12-25	Y3-4	1.49
CTBΦ750×1800	30-45	Y3-4	2.05
CTBΦ900×1800	35-60	Y4-4	3.0
CTBΦ1050×1800	40-75	Y4.5-4	4.2

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