

GTEK Magnetic Separator



● Description

Magnetic separation is used to separate minerals based on the magnetic properties. When wet drum magnetic separator is working, slurry is fed to the tank and subsequently flows through the magnetic field generated by the drum. The ferromagnetic minerals are attracted to the drum surface by the magnetic circuit and are rotated out of the slurry stream. The ferromagnetic discharge from the drum surface when rotated out of the magnetic field. Our magnetic separator features continuous processing, strong magnetic field and large processing capacity.

● Application

Wet drum magnetic separator can be used for recovery of fine and strong magnetic minerals or removal of small amounts of ferromagnetic materials from non-magnetic minerals. Wet drum magnetic separator is suitable for beneficiation of magnetite, pyrrhotite, hematite, limonite, siderite, etc. Different tank styles are available to meet varying requirements of customers.

1. The CTS series is concurrent tank style, it is designed for handling minerals with particle sizes from 0-6mm;
2. The CTN series is countercurrent tank style, it is designed for handling minerals with particle sizes from 0.6-6mm;
3. The CTB series is counter-rotation tank style, it is designed for handling minerals with particle sizes from 0-0.5mm, especially for mineral with particle size from 0-0.15mm.

● Technical Specification

Model	Cylinder Diameter (mm)	Cylinder Length (mm)	Rotation Speed (r/min)	Feeding Size (mm)	Processing Capacity (t/hr)	Power (kW)
CTB6012	600	1200	<35	2-0	10-20	1.5
CTB6018	600	1800	<35	2-0	15-30	2.2
CTB7518	750	1800	<35	2-0	20-45	2.2
CTB9018	900	1800	<35	3-0	40-60	3
CTB9021	900	2100	<35	3-0	45-60	3
CTB9024	900	2400	<28	3-0	45-70	4
CTB1018	1050	1800	<20	3-0	50-75	5.5
CTB1021	1050	2100	<20	3-0	50-100	5.5
CTB1024	1050	2400	<20	3-0	60-120	5.5
CTB1218	1200	1800	<18	3-0	80-140	5.5
CTB1224	1200	2400	<18	3-0	85-180	7.5
CTB1230	1200	3000	<18	3-0	100-180	7.5