

## Magnetic Separator

The magnetic separator is a piece of mineral processing equipment used to recover ferromagnetic materials .it is fit for processing fine ,feebly magnetic materials, such as magnetite, pyrrhotite, ilmenite and other materials and more .Xuanshi magnetic separator is a kind of pemanent magnetic drum magnetic separator ,Three types of tanks including concurrent flow tank ,backflow tank and semi-backflow tank are available to suit different materials and process.



### Flotation machine Performance and Features

- 1.The aeration quantity can be increased or reduced according to actual requirement
- 2.The mechanical mixing device does not inhale air ,so the impeller(rotor)rotates slowly, resulting in reduced rotor-stator wear, longer life and lower power consumption
- 3.Since the mixing force is not very strong, the flotation machine will cause no pelitization during operation ,and the mineral surface is stable.

### Specifications of Magnetic Separator

Model	Shell dimension (mm)		Shell rotation speed (r/min)	Capacity (t/h)	Power (Kw)	Weight (kg)
	Diameter	Length				
CTB612	600	1200	40	10-20	1.5	1445
CTB618	600	1800	35	18-35	2.2	1655
CTB712	750	1200	35	12-30	3	1682
CTB718	750	1800	35	20-45	3	1992
CTB918	900	1800	27	28-60	4	3162
CTB921	900	2100	27	45-60	4	3475
CTB924	900	2400	27	38-80	4	3887
CTB1018	1050	1800	22	36-72	4	3801
CTB1021	1050	2100	22	45-88	5.5	4095
CTB1024	1050	2400	20	52-100	5.5	4319
CTB1030	1050	3000	22	64-105	7.5	4976
CTB1218	1200	1800	19	55-95	7.5	5263

CTB1224	1200	2400	19	65-110	7.5	5927
CTB1230	1200	3000	19	85-120	7.5	6325
CTB1530	1500	3000	16	95-160	11	9665
CTB1540	1500	4000	16	120-190	11	9871

**Specifications of permanent Magnetic Force Tumbler**

Model	Shell dimension (D×L) (mm)	Belr width(mm)	Magnetic field intensity on shell surface	Final size (mm)	Capacity (t/h)
XCT465	400×650	500	Order range 1600-4500 gauss	< 70	5
XCT565	500×650	500		< 70	10
XCT665	600×650	500		< 70	15

**Magnetic Separator Working Principle**

Since the magnetization coefficient of various minerals is different, so under the same magnetic force, strong magnetic materials will get stuck onto the surface of the shell ,thus separating from the materials that can not be attracted