

GTEK Laboratory Cycle Pulsating High Gradient Magnetic Separator Brochure

Description

GTEK 100 cycle-type pulsating high gradient magnetic separator, is rated with a background field 1.2T, 1.7T respectively. This machine can be used for a small laboratory test or for a small amount of configuration minerals. It is suitable for wet separation of metallic ores with weak magnetic attractions, and can also be used for purification of iron from non-metallic minerals. It is equipped with a pulse mechanism, stroke, stroking distance and background magnetic field can be continuously and infinitely variably adjusted in a larger range. The machine has been used in laboratories in a number of research institutes, universities, and large mining companies worldwide.



Advantages

- High enrichment ratio and separation efficiency;
- Not easy to be blocked, strong adaptability to fluctuation of feed size, concentration and grade;
- Reliable operation and easy maintenance.

Technical Specification

Major parameters	100 (background field 0~1.7T)	100 (background field 0~1.2T)
Separation Chamber, D×H(mm)	Φ100×100	Φ100×100
Size of ore-feeding(mm)(-200 mesh %)	-1.3(50~100)	-1.3(50~100)
Concentration of ore-feeding (%)	5~40	5~40
Capacity of ore process(g/cycle)	100~600	100~600
Background field(T)	1.7	1.2
Energizing current(A)	0~1800	0~1200
Energizing voltage(V)	0~28	0~16.4
Energizing power(Kw)	0~50.4	0~19.7
Pulsating power(Kw)	0.75	0.55
Pulsating stroke(mm)	0~30	0~30
Pulsating frequency(r/min)	0~600	0~600
Water supply pressure(MPa)	0.15~0.2	0.15~0.2
Weight of machine(kg)	2500	2200
Dimensions, L×W×H(mm)	1800×800×1700	1600×800×1600