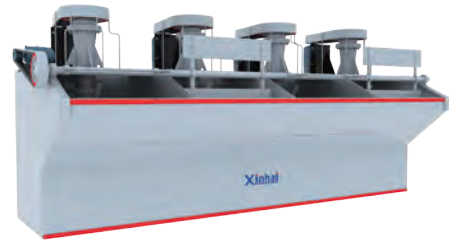


FLOTATING

XJ Mechanical Agitation Flotation Cell

Principle

When the slurry is delivered to the center of covering plate by feeding pipe, centrifugal force produced by rotating impeller will fling it out. At the same time, negative pressure will be formed between the impeller and the covering plate, and thus outside air will be sucked in automatically through inlet pipe. The slurry and air will be fully mixed by the intense stirring action of the impeller, and the slurry will be broken into lots of bubbles via air flow. Mineral laden bubbles will rise to the foam layer, and become foam products by the scraper.



Features

Upgrade model of traditional type introduced from Soviet Union with wide application.

Plentiful tiny bubbles produced by impeller cover plate with guide vane can enhance stirring effect.

Application

XJ mechanical agitation flotation cell can be widely used in the classifications of black metal minerals such as iron, non-ferrous metals such as copper and gold, and non-metallic minerals. It is suitable for roughing, scavenging and reverse flotation in small and medium flotation plant.

Technical Parameters

Model	Effective Volume (m ³)	Capacity (m ³ /min)	Impeller Diameter (mm)	Impeller Revolution (r/min)	Motor Power (kW)		Weight of 4 Tanks (kg)
					For Stirring	For Scraper	
XJ-1	0.13	0.05~0.16	200	600	1.5	0.55	1272
XJ-2	0.23	0.12~0.28	250	504	1.5	0.75	1558
XJ-3	0.35	0.15~0.5	300	480	2.2	0.75	1720
XJ-6	0.62	0.3~0.9	350	400	3	1.1	3041
XJ-11	1.1	0.6~1.6	500	330	5.5	1.1	5540
XJ-28	2.8	1.5~3.5	600	280	11	1.1	8453