

## Wet High Intensity Magnetic Separator( W-HIMS)



**W-HIMS: The oxidized iron ore mainly includes hematite, specularite, limonite, siderite and etc. . All of them are weakly magnetic ores, which are characterized by large reserves, low grade and fine disseminated particle size. Besides, most of them are difficult to be ground and selected. However, there's an increasing demand for high-grade iron concentrates in iron and steel smelting industry**

- Low voltage, high current and low current density. Internal water cooling and double circulation cooling mode stable magnetic field. Equipment operation rate is up to 98%;
- Optimized magnetic system design, optimal arrangement and combination of magnetic matrix, background field intensity up to 1.8T. vertical rotation, reverse flushing achieve magnetic matrix is not easy to block;
- Pulsation mechanism design could improve the separation efficiency;
- Wide separation range: upper limit:6mm, lower limit :2-10 $\mu$ m;

# PARAMETERS

Parameters of W-HIMS	Dimensions (L*W*H) /mm	Max part weight /t	Feed density/%	Slurry throughput /(m <sup>3</sup> /h)	Ore throughput /(t/h)	Flushing water /(m <sup>3</sup> /h)	Cooling water consumption /(m <sup>3</sup> /h)
Armis-500	1800×1400×1350	0.5	15-45	0.35-0.7	0.025-0.093	0.75-1.5	1-1.75
Armis -2000	2680×3000×3950	9	15-45	150-250	30-100	80-120	3-4
Armis -2500	3490×3800×5050	10	15-45	250-450	60-180	160-220	3.5-4.5





