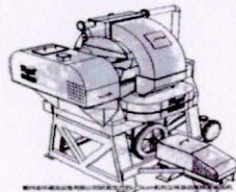


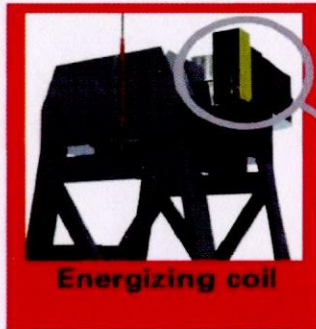
The working principle of SLon VP HGMS



Separating ring equipped with matrix, which can be induced high gradient magnetic field by energizing coils, rotates vertically. Ore-slurry is fed into the separating zone and magnetic particles would be captured by matrix and non-magnetic particles pass through the matrix and go into discharging box under the force of pulsation. Magnetic particles would be taken outside the filed and then flushed out into product collect launder by water. Pulsation force makes the slurry in the machine in a loose state which prevents the matrix clogging and purifying the products.



SLon VP HGMS



Energizing coil

Energizing coil is made of pure copper and equipped with temperature-protective system. By using most-advanced and eco-friendly water-direct-cooling for high-efficient heat dissipation, coils can produce stably magnetic intensity.



About SLon HGMS



Matrix boxes



Smart design and scientific array for matrix with no clogging and long lifespan. SLon strives to optimize matrix performance and provides customized matrix design and supply service.



Separating ring drive



World's famous brands support for SLon's drive parts.



Diaphragm



Unique design for pulsation mechanism which pushes and pulls the diaphragm and transfers pulse force to separating ores. By this motion, magnetic products can be purified by solving the problem of matrix clogging.

SLon—Metallic minerals

More than 2000 units of SLon VP HGMS have been installed for metallic minerals' beneficiation projects globally including typical countries like China, India, South Africa, USA, Russia, Australia, Brazil, Iran, Turkey, and etc. SLon VP HGMS technology for ultra-fine weakly magnetic metallic ores' beneficiation has been applied and approved by more than 1000 clients all over the world, which showcases excellent and reliable performance.



● Raw ore



● Crushing

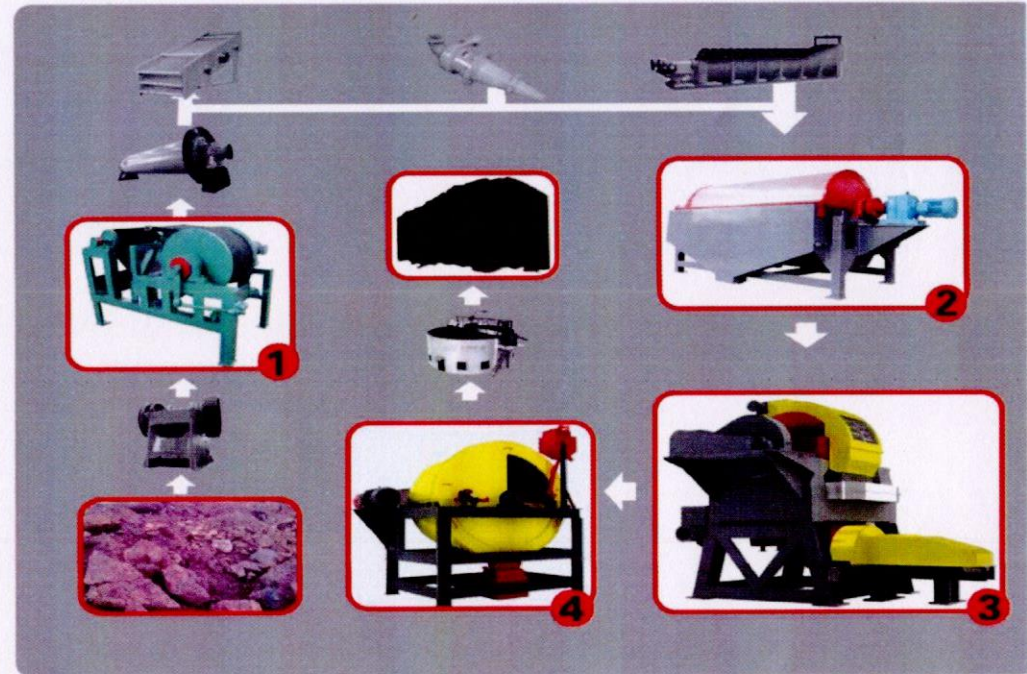


● Concentrate



Typical Minerals' Processing by SLon Technology: Oxidized Iron Ore, Ilmenite, Manganese Ore, Wolframite, Tantalum-niobium, Chromite, Gold, Rare Earth, Spodumene and so on.

SLon for Metallic Ores

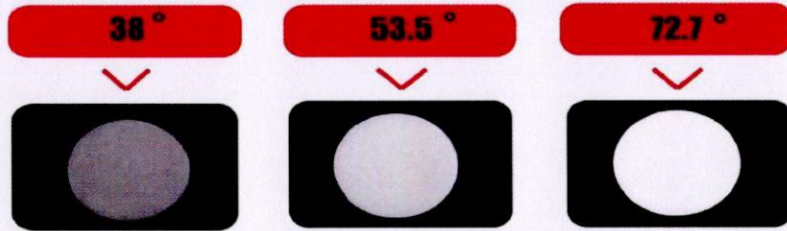


- 1 Dry Low Intensity Magnetic Separator
- 2 Low Intensity Magnetic Separator
- 3 SLon VP HGMS
- 4 Centrifugal

SLon — Nonmetallic minerals

More than 500 units of SLon VP HGMS have been installed for removing impurities from non-metallic ores' projects and purifying the products dramatically. Typical Non-Metallic Ores which SLon functions: Feldspar, Quartz, Fluorite, Nepheline, Kaolin, Andalusite and so on.

The variation of whiteness with SLon Whitech



SLon Vertical Ring & Pulsating High Gradient Magnetic Separator Technologies have already been widely credited by Indian Hematite Processing clients. And more than 100 industrial units are installed presently, which makes SLon the market leader in India.

SLon for Non-Metallic Ores' Purifications

