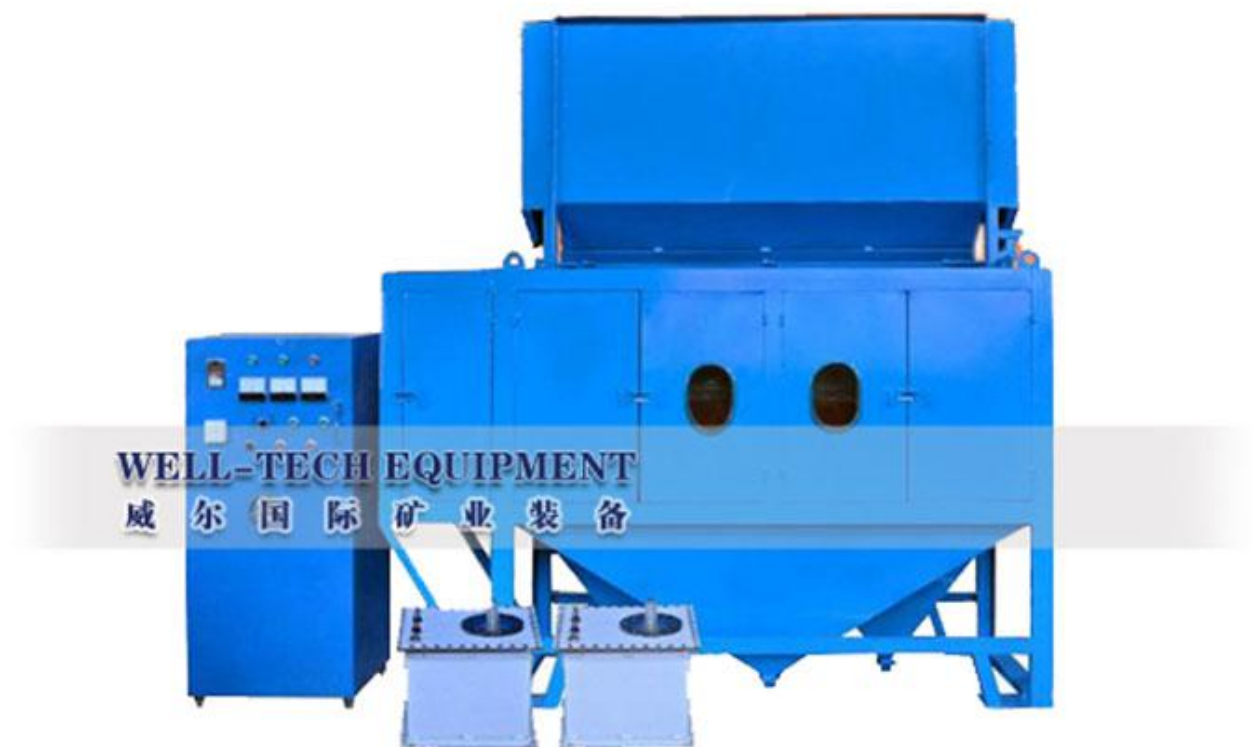


High voltage Electrostatic Separator



Description:

High **voltage** electrostatic separator is a product exclusively developed by our plant. It is a dry-type equipment which performs separation in high-voltage corona field based on the difference of materials in electric performance. It is suitable to mechanical pilot feeder of fine powder. Heating device is installed inside the separation drum. It features in wide range of electric field, powerful electric strength,

stable electromechanical performance, high efficiency and low energy consumption. The complete machine is available in multiple structure arrangements, including single-layer, two-layer, three-layer and double-roller in parallel. The multi-layer electric separator can perform rough separating, cleaning, scavenging and spoil reclaiming within the machine as needed, resulting in simplified operation and enhanced efficiency.

widely used in sorting titanium, zirconium, rutile, monazite, iron, tungsten, tantalum, niobium, tin and other precious minerals, It can separate material which's particle size is from 0.1 to 2 mm and surface temperature is less than 1% of itself, It often works well with the single-disc magnetic separator and permanent magnetic sorting machine in the process of sorting ilmenite, zircon ore and other minerals.

High voltage Electrostatic Separator

Main Features

1. With the reasonable structure, advanced technology.
2. Convenient operation, complete protection.
3. High degree of automation, safety and reliable, with better separating effect.
4. Separation of high accuracy, can make the 120 mesh mineral to 2 mm.
5. High degree of automation, to achieve the feeding, heating, speed adjustment, high-pressure discharge. With high security.

Main Technical Parameters

Model	DXJΦ220×1500	DXJΦ270×1500	DXJΦ320×1500	DXJΦ220×2000
Voltage	60000	60000	60000	60000
Magnetic roller number	2 rollers, 3 rollers, 4 rollers, 6 rollers optional			
Separating size	20 mesh -280 mesh			

Capacity	800-2000Kg/h
Rotating motor	each roller with 1.1Kw motor
Material heater	2 rollers, 3 rollers high temperature 12Kw, low temperature 4Kw 4 rollers, 6 rollers high temperature 22Kw, low temperature 8Kw
Mineral divide drum heater	1 Kw
Direct current high tension generator	60Kv/50mA (oil immersion)
Power supply	Three phase four wire
Dimension	1200×600×1250mm
Power consumption of whole machine	2 rollers 7.5Kw, 3 rollers 9Kw, 4 rollers 16.5Kw, 6 rollers 19Kw
Approx weight	2 rollers 1500Kg, 3 rollers 2500Kg, 4 rollers 2800Kg, 6 rollers 3400Kg

Application:



Vanadium titanium Electrostatic Separator plant



Zircon concentration plant machine



Zircon sand rutile plant machine