

➤ Spiral Zinc Powder Feeder

Principle

Electromagnetic adjustable speed motor drives the turbine speed reducer through a belt to further drive the spiral pipe to rotate, and pushes the feeding of the zinc powder in the storage hopper.

Features

Spiral zinc powder feeder is a kind of zinc powder feeding machine newly developed by Xinhai with the following advantages.

With even and continuous spiral feeding, it has solved the problems of difficulty in adjusting zinc powder feeding amount in traditional machinery and uneven feeding amount, and reduced the residual zinc content, which not only reduces the production costs, but also improves the smelting effects.

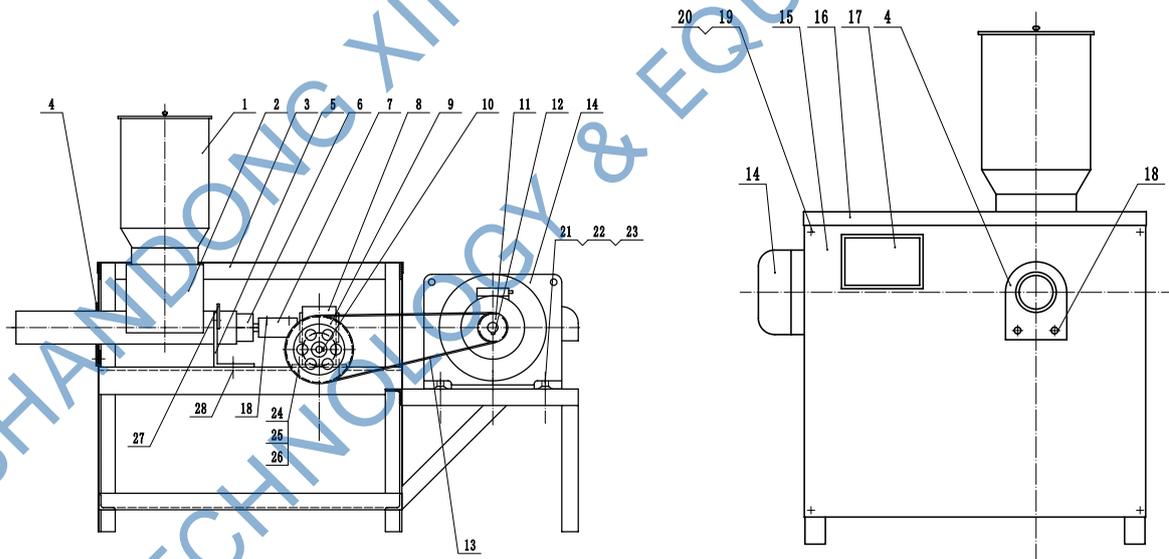
With small area of zinc exposure in the air, the oxidation of the zinc powder is reduced in the operation, and the replacement effect is improved.

Application

It is applicable in the cyanidation gold process to fill the zinc powder evenly and continuously into the mixer filled with pregnant solution. In addition, it is also widely used for continuous and even feeding of powder materials in the industries such as mineral processing, chemical, pharmaceutical and food.

Technical Parameters

| Model | Spiral Spec. (mm) | Feeding Amount (kg/h) | Rotating Speed of Spiral (r/min) | Motor Model | Motor Power (kW) | Weight (kg) |
|--------|-------------------|-----------------------|----------------------------------|-------------|------------------|-------------|
| LXG-30 | φ30×390 | Adjustable | 4.17~41.7 | YCT112-4A | 0.55 | 106 |



■ Structure Drawing of Spiral Zinc Powder Feeder

- ⊙ Notes:
- | | | | |
|---------------------------------|---|--------------------------------|--------------------------------|
| 1.Storage hopper | 2.Conveying pipe | 3.Steel skeleton | 4.Alignment ring |
| 5.Alignment plate | 6.Screw | 7.Coupling | 8.Worm reducer |
| 9.V-belt pulley | 10.Flat key | 11.V-belt pulley | 12.Flat key |
| 13.V-belt | 14.Electromagnetic induction speed regulating motor | 15.Enclosure | |
| 16.Head cover | 17.Label | 18.Cross recess pan head screw | 19.Cross recess pan head screw |
| 20.Washer | 21.Washer | 22.Nut | 23.Bolt |
| 24.Washer | 25.Nut | 26.Bolt | 27.Fixed plate |
| 28. Cross recess pan head screw | | | |