

Malty Cyclone Air Classifier

Fine Power Separator

High Efficient Fine Powder Separator for Sand and Cement Production

LAXFAB India Is The Sand Making Equipment In India. Our Products Include Feeder, Vsi, Jaw Crusher, Impact Crusher, Cone Crusher, Sand Making Machine, Vibrating Screen, Sand Washing Machine, Spiral Classifier, Fine Sand Recycling Device, Belt Conveyor And Other Mineral Production Line Assistant Equipments.

The Company Has A Professional Technical Team, Reliable Production And Processing Equipment, Efficient Service Construction Team. Based On Understanding Customer Needs, We Are Committed To Solving Customer Needs, And Also Is Committed To The Integration Of Advanced, Practical, Efficient Design Concepts And Reliable Equipment, Providing Customers With Integrated, Intelligent, And Cost-effective Crushing, Screening System.

High Quality And Reasonable Price. We Stick To The Principle Of "Quality First, Service First, Continuous Improvement And Innovation To Meet The Customers " For The Management And "Zero Defect, Zero Complaints" As The Quality Objective. To Perfect Our Service, We Provide The Products With Good Quality At The Reasonable Price.

Now Our Sand Making Processing Line Is Popular In India

Product Introduction

LAXFAB Series High Efficient Rotor Powder Separator Is A New Generation Of High Efficient Powder Selecting Machine Which Adopts External Circulation And Rotor. It Is Developed By Our Company Based On Years Of Experience For Various Types Of Powder Separator Research And Manufacture. The Practical Use Shows That The Powder-selecting Efficiency Is Up To Over 85%, And The Fineness Can Be Ad-justed Flexibly. It Has Advantages Of Stable And Reliable Performance, Which Is The Preferred Equip-ment Of Dry-type Powder Selecting For Cement Manufacturer Or Artificial Sand Making.

The High Efficiency Three Separation Classifier Is A New Technology Product Of Our Company On The Basis Of Reference To The International Most Advanced Principle Of Powder Selection, Using He Aircraft Aerodynamic Analysis Method. Both Absorb The Classification Advantages Of Powder Concentrator, And Retain The Characteristic Of The Traditional Classifier When Working Under The Positive Pressure Condition, using The Four Cyclone Dust Collector To Collect The Finished Product, So The Product System Posses Simple Configuration, Low Investment, Choose Powder With High Efficiency, It Can Greatly Improve The Production Of Mill. Guiding The New Trend Of The Classifier Technology Revolution.

Product Feature

- Materials Will Be "One Dividing Into Three Parts", Namely "Coarse Powder ($D > 150 \mu\text{m}$), Middle-coarse Powder ($60 \mu\text{m} < D < 150 \mu\text{m}$), Fine Powder". Primary Powder Selecting Will Separate Coarse Particle In Mixed Powder, Secondary Accurately Powder Choosing Will Be Finished In The Annular Space Formed Between The Guide Vane And The Vertical Rotor Cage, So The Classification Accuracy Is Very High, And Separation Efficiency Will Be Higher.
- High Efficiency Three Separation Crucible Hunger Compared With Centrifugal, Whirlwind, Rotor Type Selected Which Possess A Similar Size, Handing Capacity Compared With Powder Concentrator ,handing Capacity And Separating Efficiency Are Greatly Improved, Therefore It's More Suitable To The Needs Of The Mass Production. Advanced And Reasonable Structure Allows The Change Of Powder Selecting Air Rate, Output And Feeding Rate In A Larger Scope Without Affecting The Efficiency Of Powder. Its Classification Performance Is Very Stable.
- The Grading Principle Is Advanced. Combined With A Variety Of Powder Selecting Principle, Using The Aircraft Aerodynamic Analysis Method To Optimize The Design Of The Impulse Precipitator And The Three-cylinder Dryer Flow Field, Reducing The Resistance Of Equipment, With Obvious Energy-saving And Cost-reducing. There's Eddy Rectifier With Obtained National Patent Equipped In The Classifier Rotor, The Airflow Inside The Rotor Rise Only Relative To The Rotor Without Rotation, Using The Airflow Into The Turn Then Because Of The Action Of Momentum Reduced The Driving Force Of Rotor, Save The Driving Power, Reduce The Abrasion. Material Through Twice Powder Selecting, Classification Accuracy Becoming Higher And More Refine.
- Classifier Spindle Adopts Step Less Speed. Fineness Adjustment Is Convenient, Sensitive And Reliable, And The Adjusting Range Is Wide.

- Re-optimize The Design Of Powder Selecting Area, Improve The Space Area, Make Full Use Of Body Space To Increase The Ratio Between Material And Gas, Improve The Efficiency Of Separating Rate.
- Perishable And Wear-resistant Parts Of Classifier, Such As Material Scatter, Cyclone Cone Snail Horn, Guide Vane And Rotor Grading Vane Adopt Wear-resistant Materials Or Process Anti-wear Technology, The Wear Rate Is Extremely Low. Using New Manganese Plate As Lining, Prolong Its Service Life Effectively.
- Seal Of The Lower Bearing Of Principle Axis Adopts New Design Scheme, It Can Solve The Dust Inlet Of Bearing And Oil Leak Of Lubricating Oil, These Two Important Problem Effectively, Prolong The Service Life Of Bearing.
- The Design Of Classifier Foundation Using The Principle Of Mechanical Anti-vibration, The Resonance Frequency Of Powder Concentrator And Foundation Is Keep Away From The Inherent Frequency Of Powder Concentrator And Foundation, It Solved The Vibration Problem Of Powder Concentrator Radically That Plagued The User For A Long Time.
- Coarse Powder Pipe, Medium Powder Pipe And Cyclone Adopts Double Interlocking Wind Valve, Greatly Reduces The System Leakage Rate And Overcomes The Defect Of Large Dust In The Operation Of Powder Separator.

Product Specification / Models

- Model: LF Series
- Product Fineness: 0-3
- Air Volume(stere/h): 16000-240000
- Rotate Speed(RPM): 250-500 to 100-170
- Motor Power(HP): 15-100
- Max. Handling Capacity(t/h): 40-80
- Application / Models
- The Production of Sand and Cement.

Other Information

Pre-sale Service: We Provide Patient Explanation Of Our Products And Comprehensive Advice About Specific Products Choosing;

On-sale Service: We Provide Technical Assist About The Installation Of The Products And We Have Professionals To Your Destination To Make Sure The Normal Operation.

After-sale Service: We Have One Year Warranty Period And Detailed Information About The Maintenance Of The Products.

| Technical parameters | | | | | |
|---------------------------------------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Model | | LAXFAB 400 | LAXFAB 500 | LAXFAB 600 | LAXFAB 700 |
| Throughput(t/h) | | 24-50 | 30-70 | 45-90 | 55-110 |
| Fine powder(t/h) | Raw material | 16-20 | 21-28 | 30-36 | 35-45 |
| | Sand | Dec-16 | 18-22 | 22-26 | 28-35 |
| Fineness%(80um screen residue) | Raw material | 08-Oct | 08-Oct | 08-Oct | 08-Oct |
| | Sand | 04-Jun | 04-Jun | 04-Jun | 04-Jun |
| Main shaft speed(r/min) | | 190-380 | 190-380 | 150-350 | 150-320 |
| Electric Motor | Speed(r/min) | 125-1250 | 125-1250 | 125-1470 | 145-1450 |
| | Power(kW) | 7.5 | 15 | 22 | 30 |
| Air Blower | Air volume(m3/h) | 22435 | 29000 | 34860 | 67645 |
| | Air pressure(Pa) | 2400 | 2800 | 2370 | 2470 |
| | Power(HP) | 30 | 50 | 75 | 100 |
| Weight(t) | | 8.6 | 9.2 | 11.4 | 14.8 |