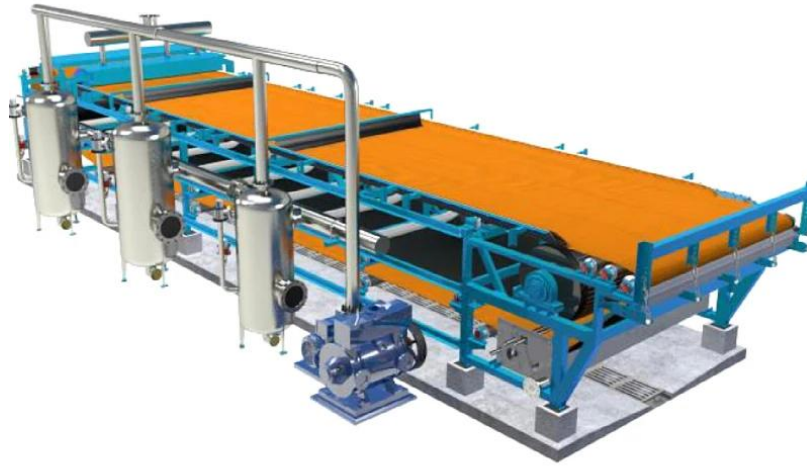


Vacuum belt filter



Product Introduction:

The vacuum belt filter is a relatively simple but efficient and continuous solid-liquid separation device that uses a new technology. It has better function in sludge dewatering and filtration process. And because of the special material of the filter belt, the sludge can easily drop from the belt filter press. According to the different materials, the belt filter can be configured with different specifications of filter belts to achieve higher filtration accuracy. As a professional belt filter press manufacturer, Shanghai Junyi Filter Equipment Co., Ltd. will provide customers with the most suitable solution and the most favorable price of belt filter press according to customers' materials.



Belt filter press automatic operation, the most economical manpower, belt filter press is easy to maintain and manage, excellent mechanical durability, good durability, covers a large area, suitable for all kinds of sludge dehydration, high efficiency, large processing capacity, dehydration multiple times, strong dewatering capacity, low water content of sludge cake.



Main frame



Fishtail feeder



Cake wash



Filter cloth



Product characteristics:

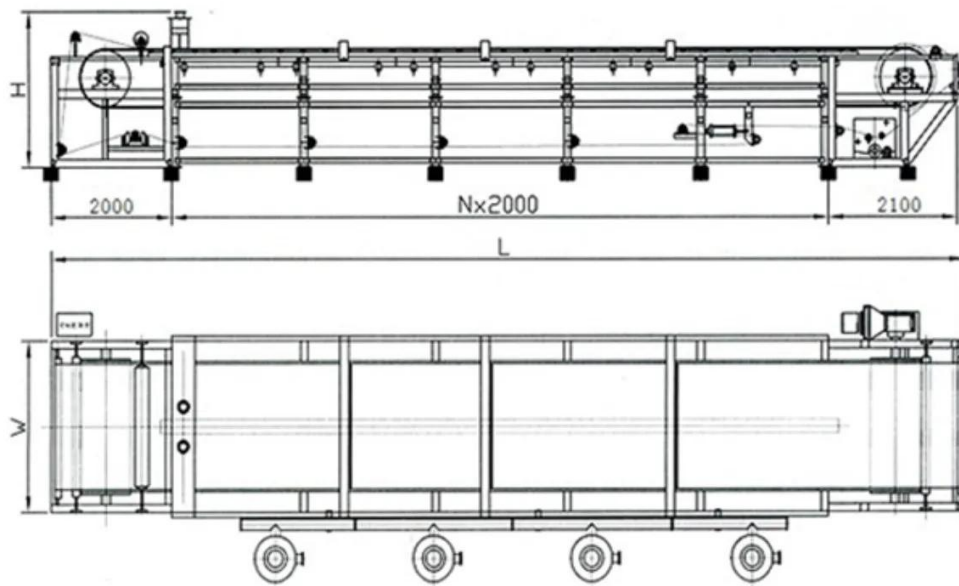
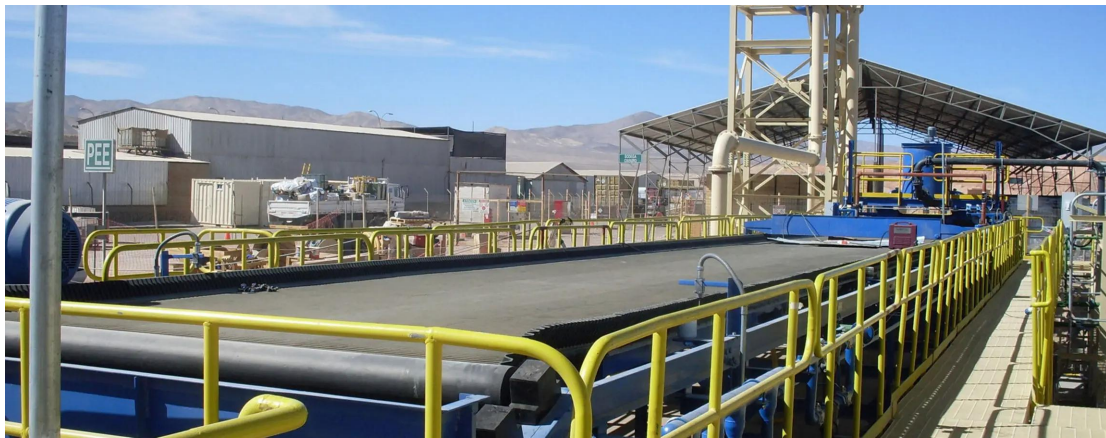
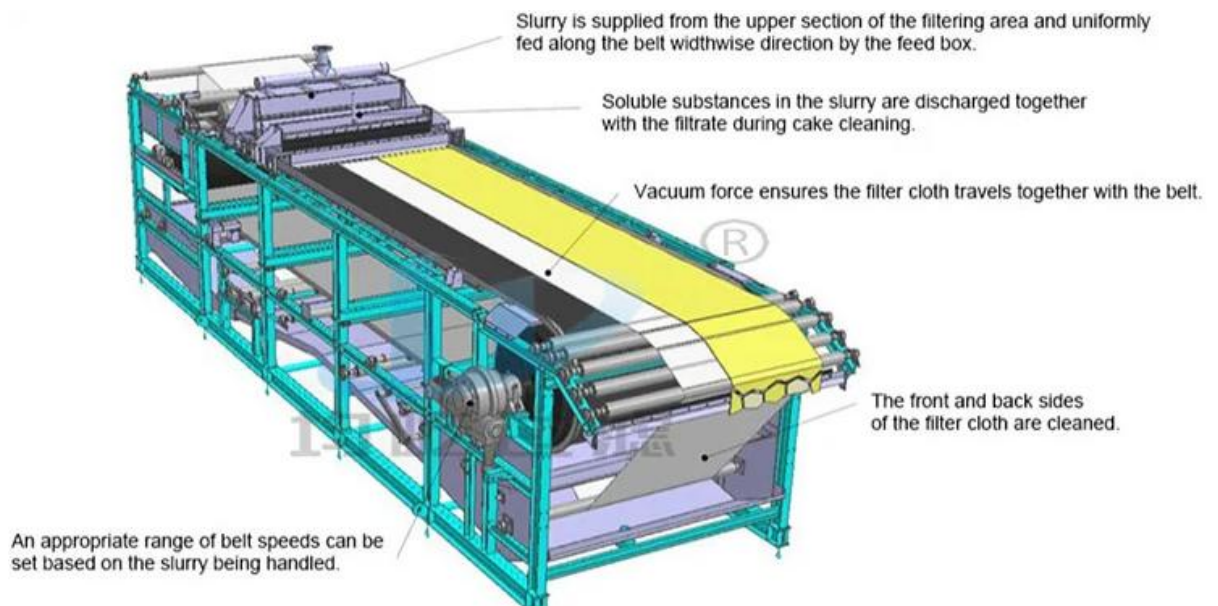
1. Higher filtration rate and lowest moisture content.
2. Reduced operating and maintenance costs due to efficient and robust design.
3. Low friction advanced air box master band support system, available in variations of slide or roller deck support system.
4. Controlled belt alignment system can achieve long time maintenance free operation.
5. Multi-stage cleaning.
6. Because the friction of the air box bracket is smaller, the service life of the master tape is longer.

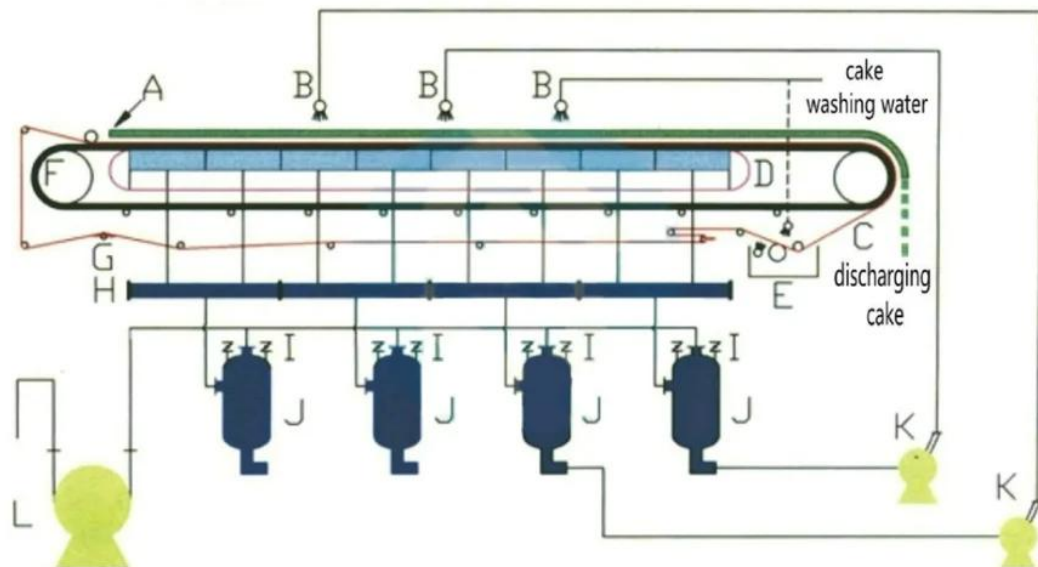
7. Drying cake output.



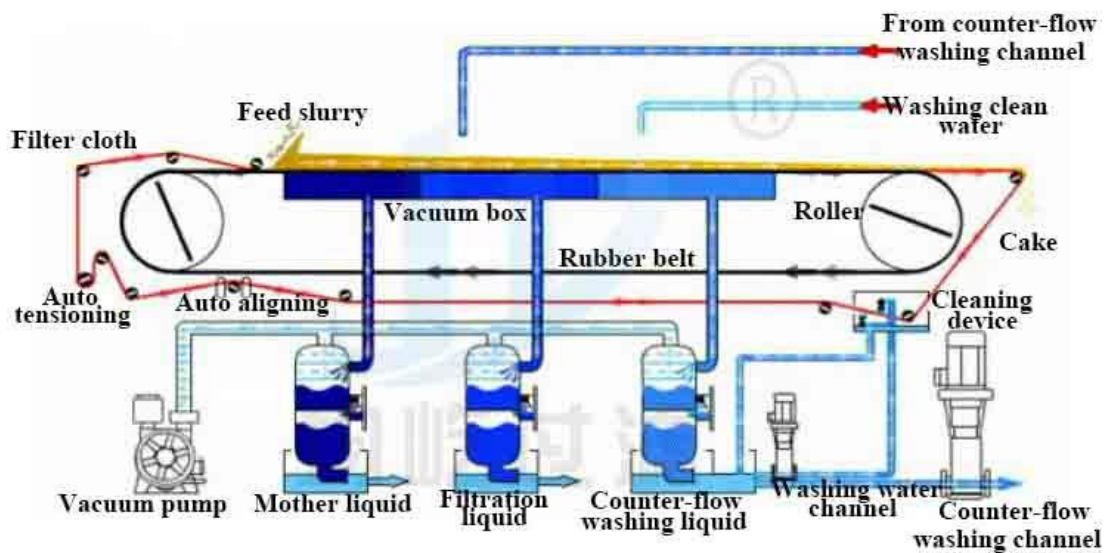
Working principle:

The vacuum belt filter press combines the screen with the rubber vacuum bearing belt. When the fishtail feeder deposits the slurry onto the surface of the filter cloth, the belt moves in a horizontal linear direction under the dam roller to form filter cakes of different thicknesses. As the belt moves, the negative vacuum pressure pulls the free filtrate out of the slurry, through the filter cloth, along the groove of the bearing belt, through the center of the bearing belt into the empty chamber. This process continues until the slurry forms a solid cake, which is then discharged at the end of the head pulley of the belt filter.





- | | |
|------------------------|-------------------------------|
| A、slurry feeding | G、cloth redirection device |
| B、cake washing | H、main vacuum pipe |
| C、cloth | I、exchange valve |
| D、friction belt | J、vacuum tank |
| E、cloth washing device | K、water pump for cake washing |
| F、rubber belt | L、vacuum pump |



Parameter list:

Model	Treatment capacity m ³ /h	Motor power KW	leather bandwidth mm	Slurry feed concentration (%)	Discharge slurry concentration (%)	Overall dimensions		
						Length mm	Width mm	Height mm
JY-BFP-500	0.5-4	0.75	500	3-8	25-40	4790	900	2040
JY-BFP-1000	3-6.5	1.5	1000	3-8	25-40	5300	1500	2300
JY-BFP-1500	4-9.5	1.5	1500	3-8	25-40	5300	2000	2300
JY-BFP-2000	5-13	2.2	2000	3-8	25-40	5300	2500	2300
JY-BEP-2500	7-15	4	2500	3-8	25-40	5300	3000	2300
JY-BFP-3000	8-20	5.5	3000	3-8	25-40	5300	3500	2300
JY-BFP-4000	12-30	7.5	4000	3-8	25-40	5800	4500	2300



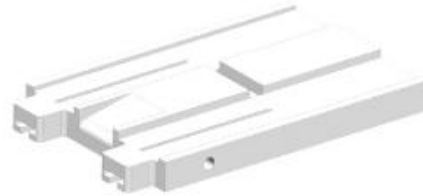
Rubber Belt



Rollers



Driver Roller



Slipway



Casbag For Rectify



Filter Cloth



Vacuum Chamber System



Friction Belt

Apply:

1. Coal, iron ore, lead, copper, zinc, nickel, etc.
2. Flue gas desulfurization.
3. FGD washing of gypsum cake.
4. Pyrite.
5. Magnetite.
6. Phosphate rock.
7. Chemical processing.



√ METALLURGY √ MINING √ CHEMICAL ENGINEERING √ PAPER MAKING
√ FOOD √ PHARMACY √ ENVIRONMENT PROTECTION



均屹过滤



均屹过滤



Filter Press Model Guidance

Liquid name	Solid-liquid ratio (%)	Specific gravity of solids	Material status	PH value	Solid particle size (mesh)
Temperature (°C)	Recovery of liquids/solids	Water content of filter cake	Working hours/day	Capacity/day	Whether the liquid evaporates or not