

Anyang Machinery – Company Profile

Introduction

Established in 1968, Anyang Machinery Co., LTD., is affiliated to China National United Equipment Group Corp. Our company is one of the leading state owned enterprises licensed to manufacture pulp and paper making machines, chemical equipments, and cement equipments under Chinese State owned assets supervision and administration commission of the state council.

Anyang Machinery is known for providing high-quality and good service. The products of our company are exported to Vietnam, Indonesia, Malaysia, Pakistan, Russia, and other countries with stable and reliable performance of equipments in paper-making and chemical industry.

1) Super Batch Cooking Production line

Our company has developed super batch cooking production line that provides 300,000t of annual output. This production line adopts an efficient pulping technology on the basis of conventional cooking technology, which can save about 60% of cooking steam consumption that is roughly equivalent to the reduction of 10,000t annual coal consumption (Standard coal as measurement unit).



Using the super batch cooking production line, about 15% of SO₂ emission (sulfur dioxide) can be reduced and soot cumulative from the alkali recovery boiler. This helps to achieve zero emission wastewater reducing the emission of bleaching wastewater. Conventional cooking technology can also be applied to produce dissolving pulp.

Advantages of Super Batch Cooking Technology

- Our super batch cooking technology can reduce to 0.6-0.8 ton of stem consumption from 2-2.5ton for producing 1 ton paper pulp.
- Oxygen delignification; Low Kappa value; High strength of paper
- The production process is fully under automatic control, and then the system reliability is greatly improved.

2) APMP Production Line

To get the high yield pulp, a new technique called Alkaline Peroxide Mechanical Pulp (APMP) technology is used as it is characterized by the color paste with high whiteness, high yield, the use of chemical supplies consumption, and little pollution.



APMP do not cause pollution to the environment as the hydrogen peroxide present in it does not support chemical pulping that generates a large number of black liquor.

Major Equipments of APMP Production Line:

- Tearing Machine
- Heat Recovery Equipment: Atmospheric Scrubber and pressure scrubber.
- Condensing Equipment
- Tanks as chip silo, latency chest, HC tower, filtrate chest etc.
- Conveying screw: Various series specification and diameters conveying Screw, according to different processing requirement, material of spiral conveyer mainly including carbon steel and stainless steel

3) Pulp Cooking Digester

Pulp Cooking Digester series are Anyang machinery leading products. Our company manufactures a wide range of specifications of cooking digesters including 50m³, 75m³, 110m³, 135m³, 175m³, 225m³, 250m³, 400m³ series of digesters with different technologies.



The maximum size of the pulping digester is 5.8m in diameter and 400m³ in volume. Digester series are made of different raw materials including carbon steel, 316L steel, stainless steel and composite plate, duplex stainless steel structure. They are majorly used to chemical pulp and dissolved fiber steaming section.

4) Blow Tank

Our company produces flat bottom blow tanks. They are made of carbon steel 316L steel, stainless steel and composite plate, duplex stainless steel structure. We will provide 80m³, 150m³, 225m³, 330m³, 500m³, 1050m³ series of blow tanks with different technologies. In order to keep the pulp at a certain temperature in blow tank, insulator can be added on the outside of blow tank.



Advantages of Blow tank:

- Be equipped with dasher
- Simple transmission
- Lower cost
- Easy to install and maintain.
- Less space required

5) Vacuum Pulp Washer

Our company provides vacuum pulp washer 30m², 45m², 60m², 80m², 100m², 120m² series of vacuum pulp washer with different technologies. It is made of materials including carbon steel, 316L steel etc. It uses conical channel technology, increasing flow and filtrate throughput. As it uses press and agitation techniques, easy mixing is possible.



6) Replacement Tank

We can produce Hot Black Liquor Tank, Warm Black Liquor Tank, Cold Black Liquor Tank and varieties of Heat Exchangers with different requirements. These replacement tanks are made of materials including carbon steel, composite plate, duplex stainless steel structure.

7) Disc Filter

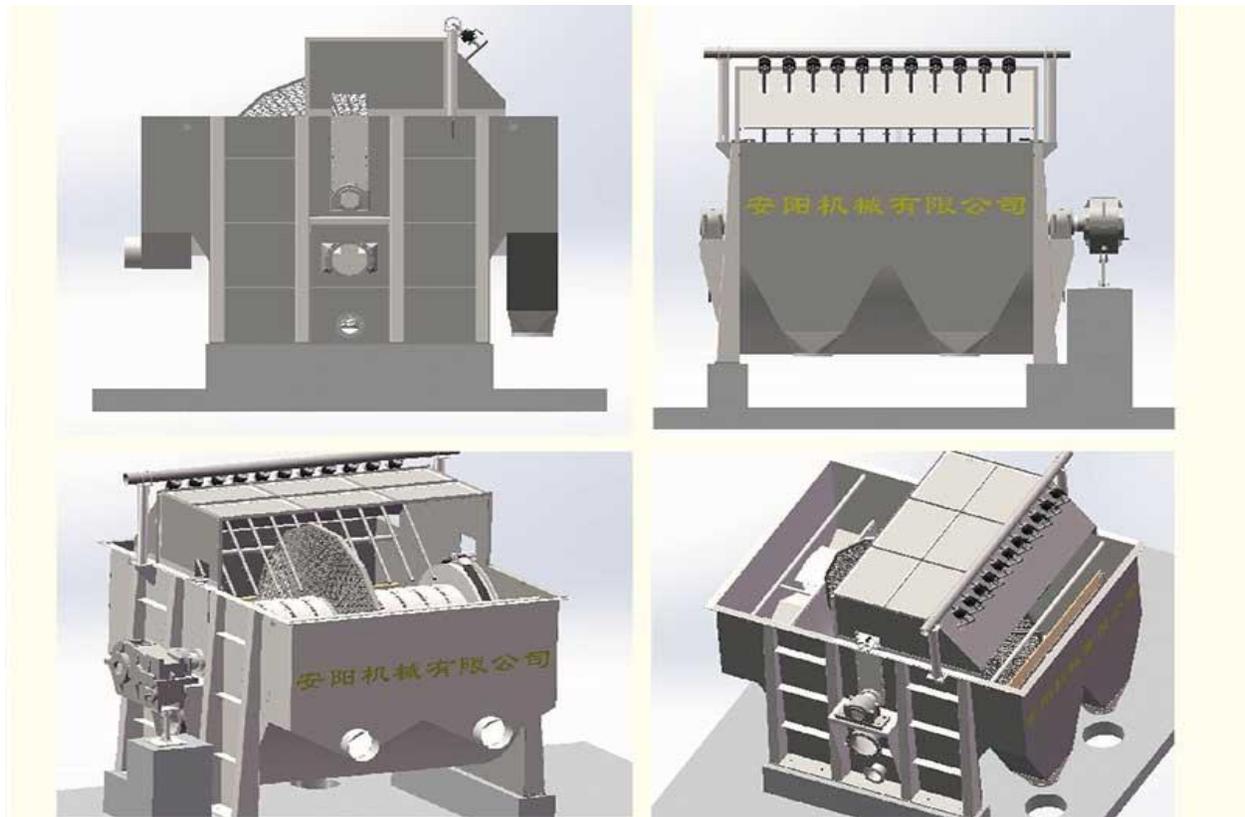
Disc filter can save energy, reduce water consumption and fiber loss content. It also protects environment and prevents pollution. It is mainly applied to white water recovery in paper-making. It consists of compact structure and requires less floor space besides having high production capacity.



Disc filter can be used in various sectors with features such as large effective filtering area, easy to dismantle, and high strength etc.

8) Gravity Disc Thickener

Gravity disc thickener is mainly used for low consistency stock thickening. Different from traditional vacuum disc filter, the water log installation height is not needed. It can replace traditional gravity decker thickener.



It helps for easy operation, reliable running, high production capacity, less power consumption and convenient management. Gravity disc thickener is applicable to mechanical wood pulp, waste, reed pulp, bamboo pulp, bagasse pulp, wheat straw pulp with lower freeness (higher beating degree), shorter fiber or higher consistency.

9) Pulp Bleaching Equipments

We can produce different standards of Single Screw Press, Twin Roll Press and Vacuum Drum Washer according to different technical requirements.

Single Screw Press: Single Screw Press consists of special structure design, preventing pulp slippage, stable discharge consistency. It has enclosure design, preventing smell and black liquor overflow.



Twin Roll Press: Twin roll press contains fully improved pulp feeding structure with independent intellectual property rights to get better distributing effect. There will be international advanced hydraulic drive system, pulp distributing system and washing system.



Vacuum Drum Washer: Vacuum drum washer consists of large production capacity per unit area. This drum uses conical channel technology that increases flow and filtrate throughput.



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