



FISH & ANIMAL WASTE RENDERING PROCESSING LINE



SHANDONG SENSITAR MACHINERY MANUFACTURING CO.,LTD.

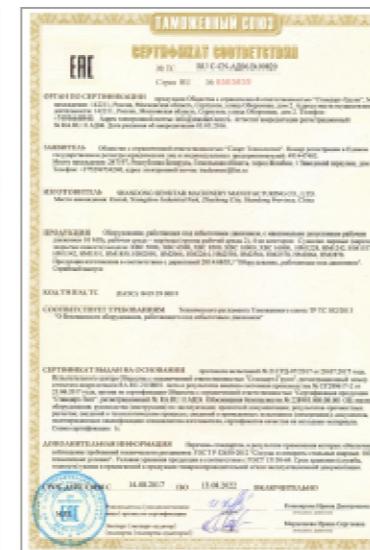
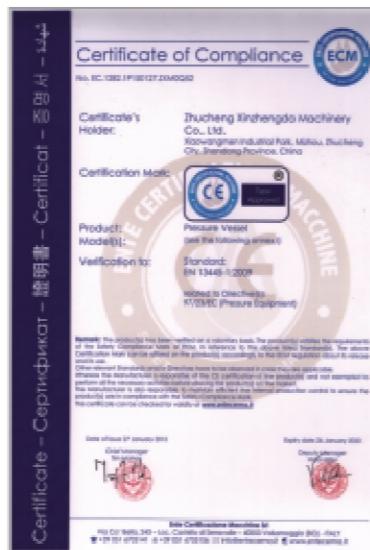
Address:Xiangzhou Industrial Park,
Zhucheng City, Shandong Province, China.
Tel:+86-536-6053990 Fax:+86-536-6053915
[Http://www.xzdjx.net](http://www.xzdjx.net)
E-mail:xzdjx@xzdjx.com

XX SENSITAR



SHANDONG SENSITAR MACHINERY MANUFACTURING CO.,LTD.

Our company is a leading designer and manufacturer of animal rendering plant and fish meal processing line with many certificates. We have much experience in many projects of domestic and overseas, have a full set of production and management system, including R&D, design, production, manufacture and after-sales service.



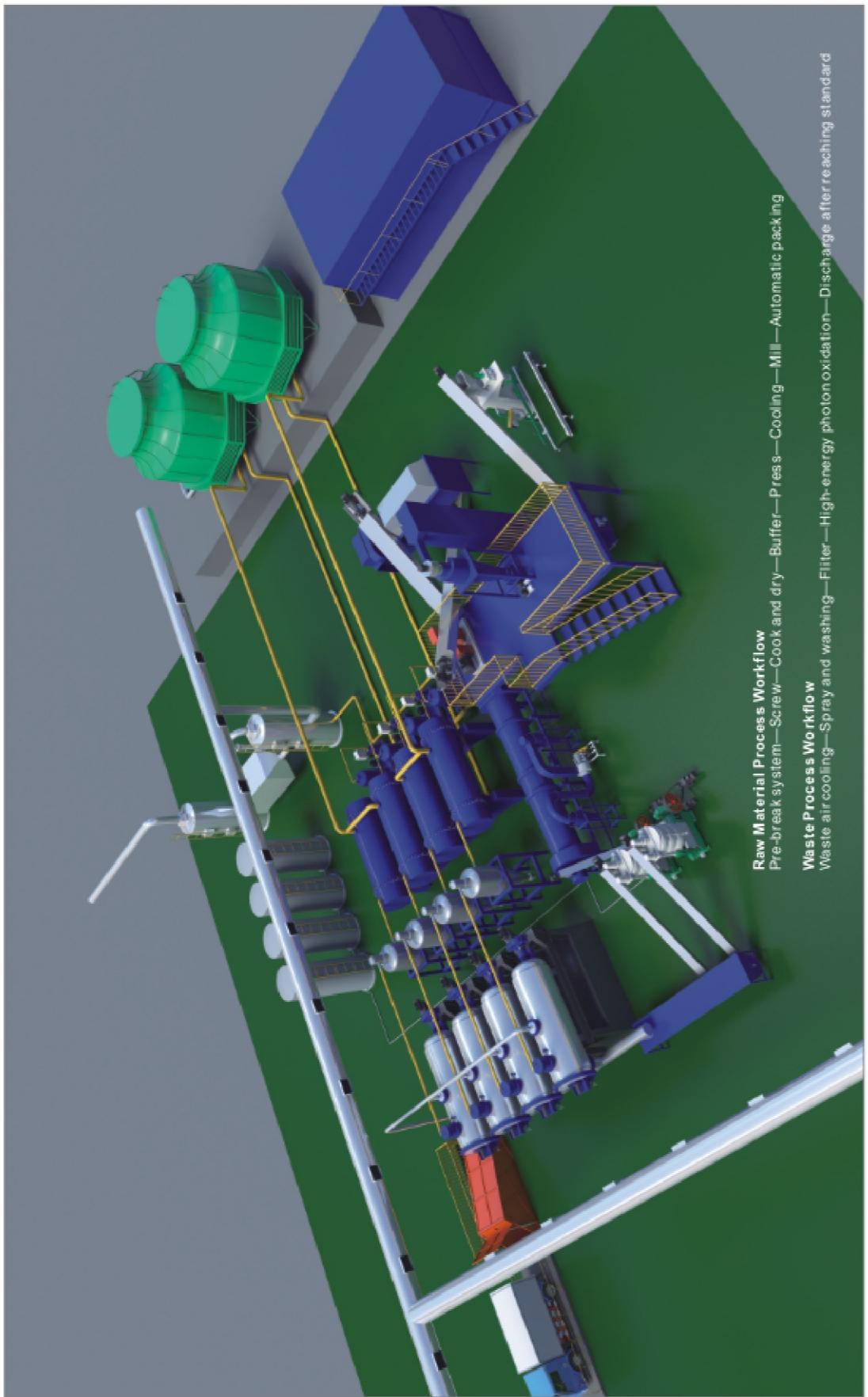
CUSTOMER CARE



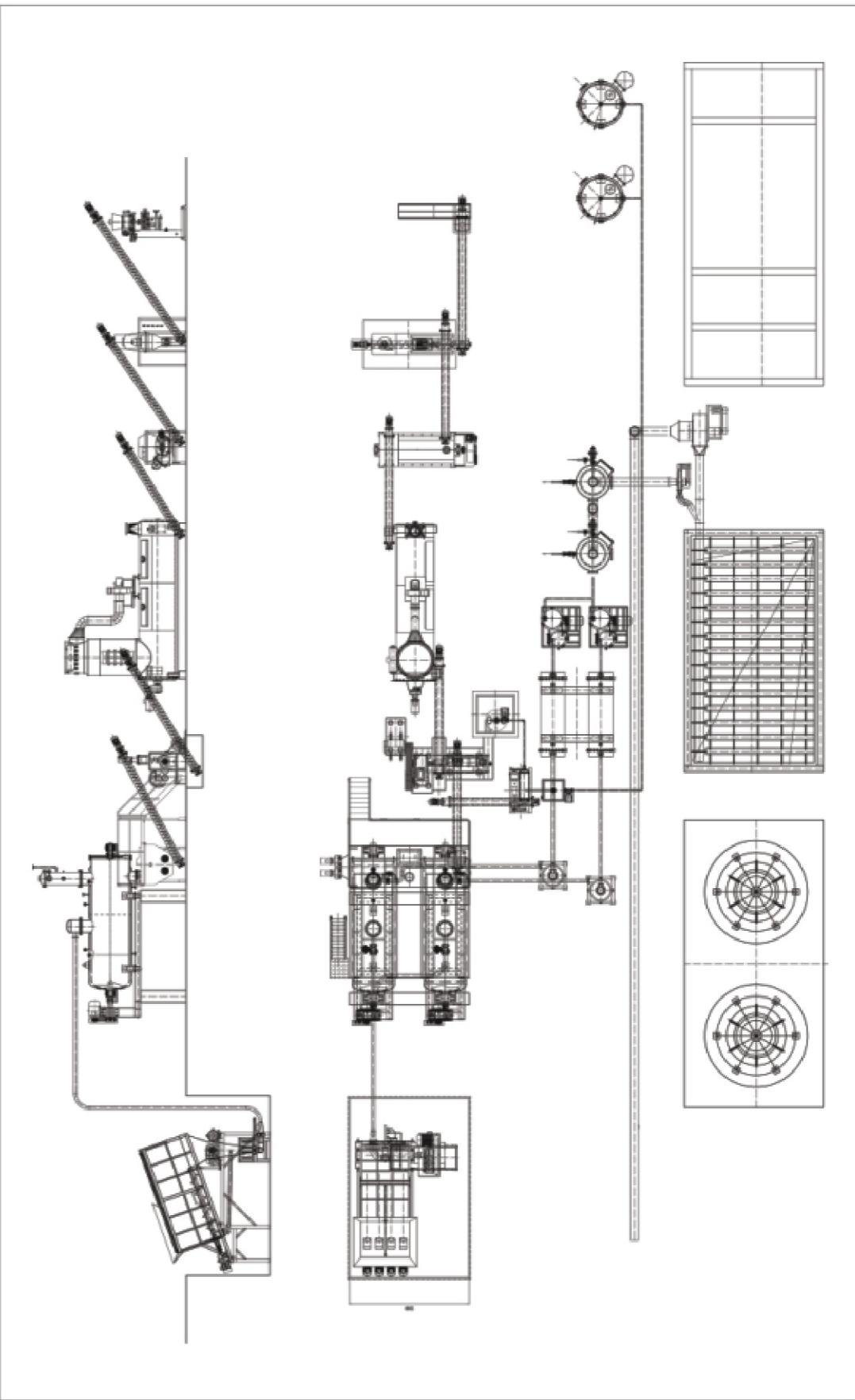
DELIVERY SCENE



Sensitar Environmental Treatment Drying System

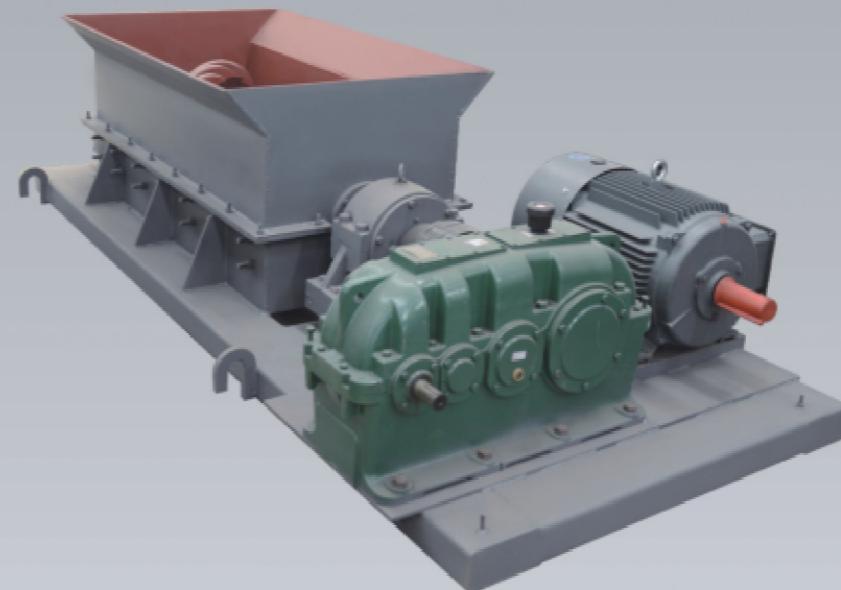


Animal And Poultry Harmless Treatment Center Layout Plan



Bin

Pre-breaker



Introduction

The Pre-breaker is especially designed for size reduction of complete carcasses of cattle, horses and pigs as well as all sorts of offal and bones from slaughterhouses, prior to the rendering process in the animal by-products industry.

The pre-breaker is installed as the first stage of a rendering plant, always doing the hard work before crushers and mincers for final grinding if necessary. All knives and anvils are hard faced. Low operation costs are assured as the motor size and breaker shaft speed can be adjusted to the required capacity. The design allows quick maintenance and replacement of spare and wear parts, making the pre-breaker a very efficient machine.

Introduction

The XZD product programme for rendering comprises various types of bins.

The size and design of the bins will depend on the amount of material, on the process in the subsequent plant, and on the kind of material to be handled. We supply all kinds of bins, from small charging/dosing bins (2-5m³) to large storage bins of approximately 150-200m³.

The manufacture can be of stainless steel, mild steel or a combination of both.

The transport sections are usually individual to each plant. Our engineers have years of experience in designing the bins according to the customer's needs as well as in ensuring that the plant can fulfil the high hygienic standards.

Technical Specifications

Technical Specifications	Unit	Type PB10/20	Type XPB 15	Type XPB 15 Twin
Capacity, up to	t/h	1-8	35	50
Anvil Gap	mm	30	48	75
Power/motor, up to	kw	37	55	2x75
Shipping weight	kg	3200	7300	10000

Manufacture and Operation Site



Batch Cooker



Manufacture and Operation Site



Introduction

The XZD Batch Cooker is designed for sterilization, hydrolysis, and drying of animal by-products. The batch cooker is one of the most important parts of dry rendering plant and is manufactured in 5 standard sizes to suit various plant capacities.

Application

The XZD batch cooker can be used for processing of the following animal by-products:

- 1.Mixed meat offal and bones
- 2.Raw blood
- 3.Wet feathers
- 4.Mixed poultry offal
- 5.Pig,cow,sheep,etc

Technical Specifications

Technical specifications	Unit	Type				
		BC5000	BC6500	BC8500	BC10000	BC16000
Dimension Length	mm	5450	7100	7425	8400	9000
Height	mm	2070	2070	2305	2035	2500
Width	mm	1600	1600	1775	1775	2100
Design pressure Jacket and rotor	Bar	10	10	10	10	10
Design pressure cooker	Bar	5	5	5	5	5
Heating surface	m ²	27	35	41	49	63
Power	KW	37	45	55	75	110
Shipping weight	Kg	12000	13500	19000	22000	36000

Cooker type	Capacity (kg/batch)			
	(Mixed meat offal, bones)	Raw blood	Wet feathers	Mixed poultry offal
XBC5000	3000	2000	2700	3000
XBC6500	4000	2500	3500	4000
XBC8500	5000	3400	4600	5000
XBC10000	6000	4000	5400	6000
XBC16000	10000	7000	9000	10000



Disc Dryer



Manufacture and Operation Site



Introduction

Indirectly steam-heated and designed for continuous cooking or drying of animal by-products or fish. The rotor consists of a central pipe on which vertically arranged and parallel discs with double walls have been welded. This design results in a concentrated heating surface offering maximum evaporation capacity in a compact design.

The wet material is fed into the dryer through the inlet at the drive end. The material is transported through the dryer and agitated by means of paddles mounted on the periphery of the rotor.

The material is dried by direct contact with the steam-heated surface of the rotor. The water evaporated from the material is removed through the vapour dome at the top of the stator.

The steam inlet is at the non-drive end of the rotor, and the condensate outlet is placed at the drive end. Scraper bars are designed to prevent material build-up between the discs of the rotor.

The dried material is discharged at the opposite end at the bottom of the stator typically through a discharge screw conveyor with variable speed drive.

Main Character

The stator incl. vapour dome, inlet and outlet as well as the scraper bars between the discs and the adjustable paddles are manufactured in stainless steel.

The vapour dome has removable covers for easy inspection, cleaning and adjustment of the paddles. Every second cover is equipped with an inspection glass with light and wiper for easy inspection.

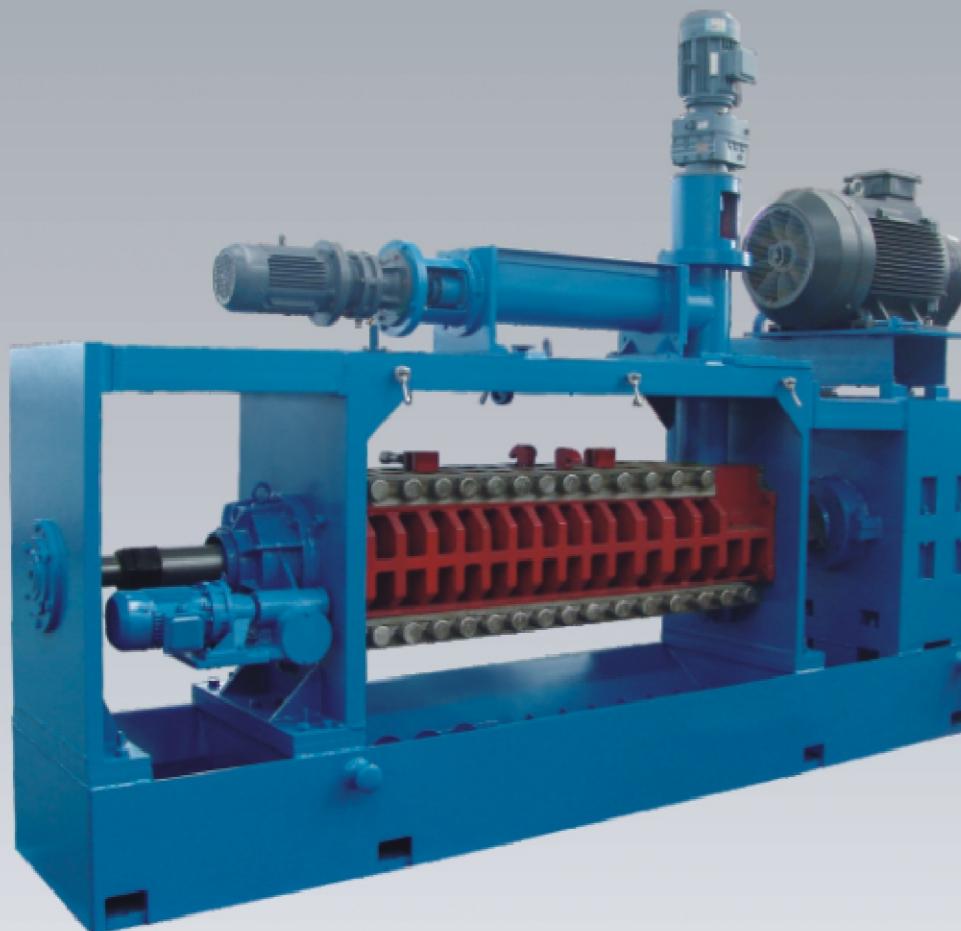
The disc dryer has oil lubricated external bearings.

The shafts to the dryer are sealed with stuffing boxes.

Technical Specifications

Dryer Type	Heating surface m ²	Power KW	Shipping data			
			Length mm	Width mm	Height mm	Weight tm
1228	60	30	7750	2050	2600	22
1242	90	45	9700	2050	2600	26
1537	110	45	9050	2200	3200	30
1542	130	45	9750	2200	3200	31
1551	150	55	11100	2200	3200	37
1850	215	75	11100	2560	3500	52
2050	260	75	11300	2800	3650	59
2064	320	90	13250	2800	3650	68
2264	375	110	14000	3000	3850	79
2550	400	110	12200	3300	4150	84
2564	515	132	14150	3300	4150	99
2578	595	160	16150	3300	4150	120
2864	650	160	14150	3600	4500	116
2878	730	200	16150	3600	4500	135

Oil Press



Introduction

With thick steel plate, more durable.
 A variety of models, suitable for different processing capacity of customers.
 Handing large quantities,occupy a small workshop area.
 Small power consumption, easy to operation, management and maintenance.
 Low residual oil press cake, good oil quality, the processed cake is loose and not fragile.

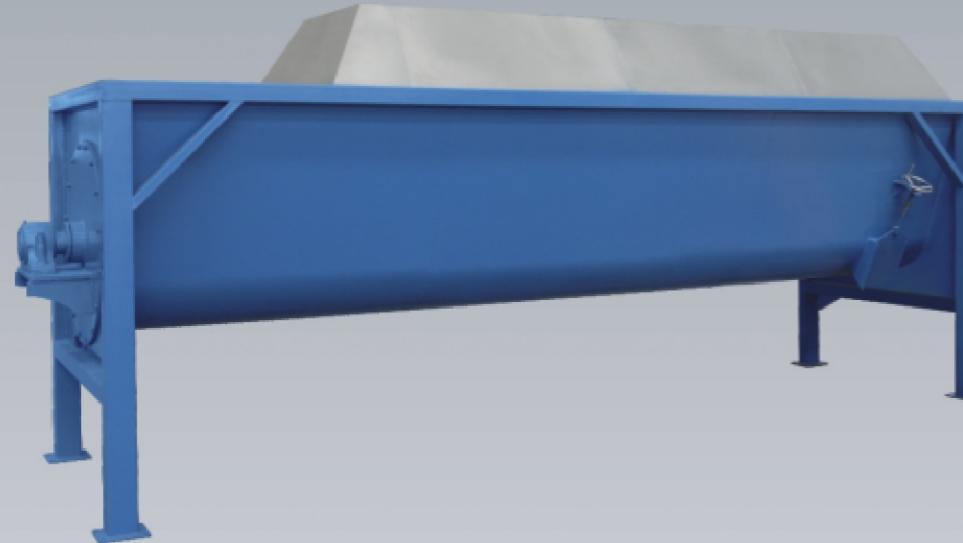
Manufacture and Operation Site



Technical Specifications

Type	Inlet Capacity	Capacity	Residual fat in cake	Power	Weight	Dimensions mm		
	Kg/h	T/24h	%	KW	Kg	Length	Height	Width
XST1000	600-1200	50	9-14	45	4000	3170	1720	1600
XST1750	1200-2000	100	9-14	75-90	6400	3340	2100	2160
XST2500	1800-2800	150	9-14	75-90	6900	3990	2210	1800
XST4500	2400-5000	200	9-14	90-110-132	10500	4270	2620	1960

Holding Silo



Introduction

To store the products so avoid the product's stock. There is a screw shaft mixing and transporting the raw material to the next process. It's equipped with a jacketed outer layer so as to promise the material's highest temperature to next process.

Advantages

Large inner storing capacity,
Simple generous design structure,
High automatic operation.

XGH-1000 Type Compact Rendering Machine



Fuction

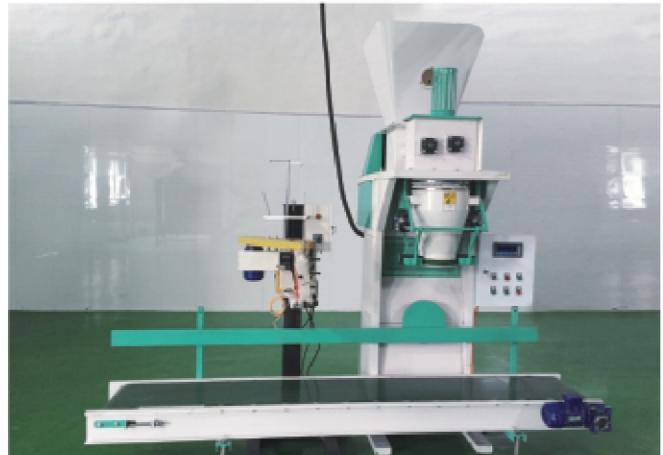
1000KG-1500KG every batch, is designed for farm and slaughter house. Heat source is electric, high pressure and temperature (140°C, 0.35Mpa). The system includes screw, cooker, waste air cooler, cooling tower, washing tower, press etc. The system is automatic and easy to operate, no need to add supplementary materials, green and environmental protection.

Manufacture and Operation Site



Manufacture and Operation Site





Automatic Packaging Machine

Feature: Automatic weighing, no material residual, easy to calculate the weight,bag quantity, total capacity. Fast packingspeed and high-accuracy .Easy to operate and maintain



Cooler

The quick water-flow type cooler will cool down the powder and granular material. When the material gets cool, this machine will select out different size products.



Mill

The mill is used to reduce the particle size of greaves after fat extraction. The reduction in size required at this stage dependson whether the meal is used directly in compound feeds or it will be passed through a further stage of size reduction.



Vehicle Disinfection Passage



Personnel Disinfection Channel



Screw Conveyor

Functions: get the material to a predetermined position.
 Features: 1, simple structure, good sealing performance;
 2, realize the multi-point feeding, discharging;
 3, motor, reducer and adjustable installation position.



Cold storage room



Special Transport Vehicle