



**SENSITAR**  
**鑫正达**

**Shandong Sensitar Machinery Manufacturing Co.,Ltd**

山东鑫正达机械制造有限公司

**FISH MEAL &  
FISH OIL**  
**鱼粉和鱼油**



## FISH MEAL AND FISH OIL

Although fish meal processing generally follows the same principle, the process requirements vary from one plant to another. Freshness of the catch, type of fish, requirements for meal and oil quality and environmental issues dictate the need for individual plant solutions. We offer a full delivery programme to meet such challenges .

Our delivery programme ranges from small land-based or ship-based units .Our plants are known for maximum energy efficiency, reliability, safety and compliance with local environmental standards.

## FISH PROCESSING

Whether a plant is processing whole fish or fish by-products, the raw fish or fish steaks and waste are fed into crusher, and then continuously fed into the cooker by a conveyor. After the material is cooked, it is directly put into the press to get meal cake and oil. Meal cake goes into the dryer to dry.

## 鱼粉和鱼油

虽然鱼粉加工通常遵循相同的原则，但工艺要求因渔获物的新鲜度、鱼的类型、不同地区和不同工厂的要求而不同。鱼粉和鱼油的质量和环境问题决定了个体工厂解决方案的需要。为了应对这些挑战，我们提供了一个完整的交付计划。

我们的生产项目包括小型陆基或船基设备。我们的工厂以最高的能源效率、可靠性、安全性和符合当地环境标准而闻名。

## 鱼加工

不管一个工厂是在加工整条鱼还是鱼的副产品，生鱼片或鱼排和废料都被送入破碎机，然后通过传送带连续送入鱼煮机。材料煮熟后，直接放入压榨机得到饼和油。饼进入烘干机烘干。

# Fish Cooker

## 鱼煮机



### Introduction

Sensitar fish cooker is ideal for fish meal&oil processing, with inputs of varying quality and composition, requiring minimal pre-cooking preparation. Customers can freely choose the type of equipment in the production range of 2-50t/h, and the steam supply regulator can easily handle even small volumes of steam when needed.

鑫正达鱼煮机是鱼粉和鱼油加工的理想选择，投入质量和成分不同的原料，只需要最少的预煮准备。客户可以在2-50t/h的生产范围内自由选择设备类型，即使是小体积的蒸汽，供汽调节器在需要时都可以轻松处理。

### Technical Specifications

Type	Capacity(t/h)	Dimensions(mm)			Weight (metric ton)
		Length	Height	Width	
FC0605	2.6-3.5	3350	1050	1200	4
FC0806	6.4-8.0	8250	1850	1850	12
FC0808	8.8-11.0	10200	1850	1850	14
FC1108	12.8-16.0	10900	2350	2200	20
FC1110	16.0-20.0	12800	2350	2200	23
FC1112	20.0-25.0	14850	2350	2200	27
FC1310	20.0-25.0	13050	2450	2200	32
FC1312	24.0-30.0	15050	2450	2200	36
FC1314	28.0-35.0	17050	2450	2200	40
FC1612	30.4-38.0	15150	3450	2400	40
FC1614	35.2-44.0	17150	3450	2400	47
FC1616	40.0-50.0	19150	3450	2400	55

# Disc Dryer

## 盘式干燥机

Sensitar Disc Dryer is the ideal solution for removing as much water as possible, as gently as possible, from coarser fish, animal or poultry by-products with a low fat content.

鑫正达盘式干燥机是尽可能轻柔地从低脂肪含量的粗鱼、动物或家禽副产品中去除尽可能多的水的理想解决方案。



### Application:

Sensitar disc dryers are ideal for drying products that include:

1. Defatted animal by-products  
such as meat and bone
2. Defatted fish by-products
3. Hydrolyzed feathers
4. Mechanically dewatered blood

盘式干燥机是干燥产品的理想选择，包括：

1. 脱脂动物副产品  
比如肉和骨头
2. 脱脂鱼的副产品
3. 水解羽毛
4. 机械脱水的血液

## Technical Specifications

Type	Heating surface(m <sup>2</sup> )	Power(kw)	Shipping data (mm)			
			Length	Width	Hight	Weight
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

# Twin-Screw Press

## 双螺旋压榨机



### Introduction

Sensitar Twin-screw Press is ideal for extracting liquid from cooked fish or meat as part of wet rendering processes. These units provide you with an effective way to remove water from the fats and solids content in cooked fish or meat.

This then helps you improve the overall efficiency of subsequent processing and paves the way to significant energy savings.

作为湿式炼脂工艺的一部分，鑫正达双螺旋压榨机非常适合于从蒸煮鱼类或肉类中提取液体。通过这些设备，您能够有效地从蒸煮鱼类或肉类的脂肪和固体组分中移除水分。

这随后可帮助您提高后续加工的整体效率，并大幅节省能源。

### Technical Specifications

Type	Condensing capacity	Dimension(mm)			Power/motor(kW)	Weight(kg)
		Length (L)	Width (W)	Height (H)		
ACV015	900	50	1800	3950	1×7.5	2200
ACV021	1300	3900	1805	4050	2×5.5	2750
ACV030	1800	4450	2300	4150	2×7.5	3350
ACV034	2000	4450	2300	4150		3400
ACV042	2500	6400	2300	4050	3×5.5	4600
ACV055	3300	6400	2300	4050	3×11	4800
ACV072	4300	8350	2300	4150	4×11	5700
ACV090	5400	10300	2300	4200	5×11	7000
ACV160	9600	10300	5250	5300	2×30	17000
HM3000	3000	5110	3000	4045	2×11	5700
HM5000	5000	9120	3000	4045	3×11	8500
HM7000	7000	10580	3000	4145	4×11	11300

## COMPACT PLANTS

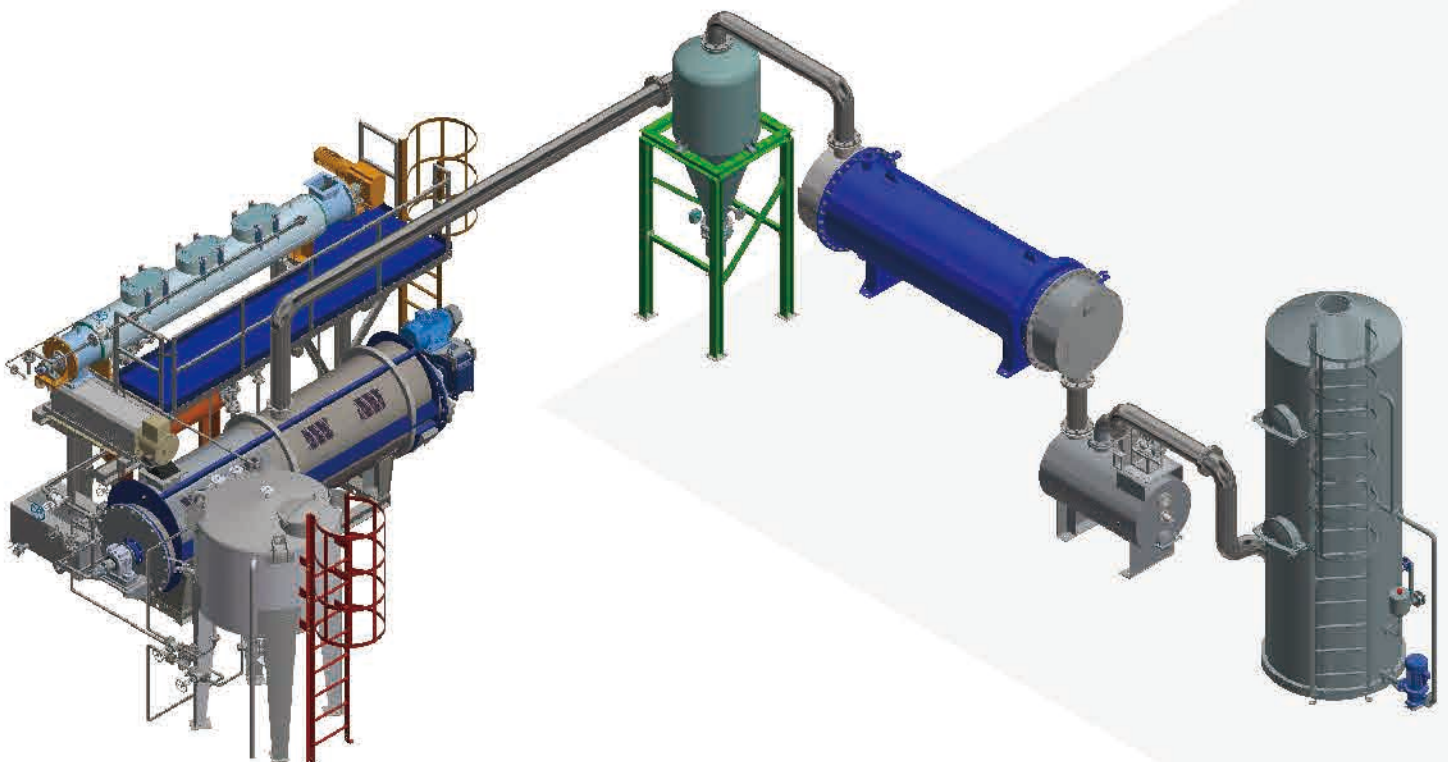
Sensitar also supplies compact fish meal plants with all machines mounted as one unit. This includes cooker, strainer, twin screw press and dryer. Separately, an oil recovery system and an evaporator can be installed.

Our compact plants are pre-assembled and ready to install either on board floating factories or ashore for treatment of by-products from fish processing.

## 小型机组设备

鑫正达还提供紧凑型鱼粉机组，所有机器作为一个单位安装。这包括鱼煮机、过滤器、双螺旋榨油机和干燥机，可分别安装一个集油系统和一个蒸发器。

我们的紧凑型鱼粉机组是预先组装和准备安装在船上浮动工厂或岸上处理副产品的鱼加工。



# Plant Equipment:

## Decanter 卧式离心机

Decanter is three-phase separation, can achieve a good solid-liquid separation effect.

卧式离心机是三相分离，可达到很好的固液分离效果。



## Milling Plant 细粉碎机

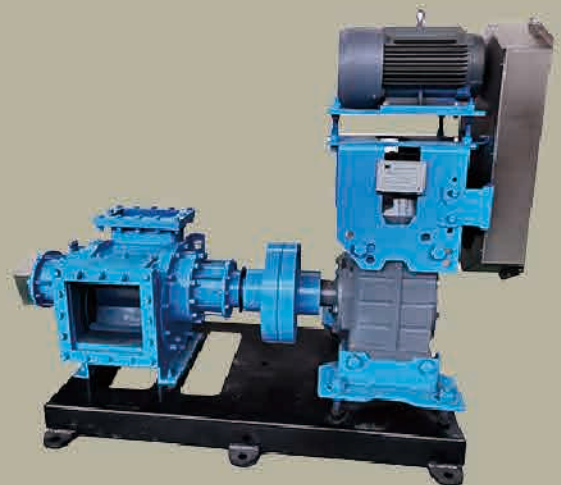
Milling Plant effectively reduces the size of particles in the not-yet-finished meal after fat extraction, helping you meet customer specifications about particle size.

粉碎机能够有效地减小提取油脂后的非成品粉类中的颗粒尺寸，从而帮助您满足客户在颗粒尺寸方面的规格。

## Lamella Pump 输料泵

This type of positive-displacement sliding vane pump is specifically designed to transfer flows that contain large particles, such as pre-broken animal by-products, pet food or fish, with as little as 20% liquid in the flow.

这种类型的正排量滑片泵专门设计用于输送含有大颗粒的物料流体，如预粉碎动物副产品、宠物食品或鱼类，物料流体中的液体含量最低可至20%。



## Screw Conveyor 螺旋输送机

Versatile, reliable and hygienic way to move material from one process step to the next.

用途广泛、可靠而卫生的设备，适用于将材料从一个工序传送至下一个工序。

# Plant Equipment:

## Air Condenser 风式冷凝器

Sensitar Air Condenser uses a flow of air to condenses vapors from cooking or drying fish or meat by-products to help ensure effective odor reduction.

风式冷凝器使用气流来冷凝蒸煮或干燥鱼或肉副产品的蒸汽，以帮助确保有效的气味减少。



## Tube Condenser 管式冷凝器

Tube Condenser is designed for condensing the processing vapours emitted from cooking or drying of meat or fish by products. The condensed water can be recycled to other machine. Its heat transfer area range of 30-200 m<sup>2</sup>.

管式冷凝器是设计用于冷凝肉类或鱼类副产品烹饪或干燥过程中排放的蒸汽。冷凝水可回收到其他机器。其换热面积范围30-200 m<sup>2</sup>。



## Cooler 降温冷却机

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.

快速流水方式来冷却粉状及小颗粒的物料，在给物料降温的同时，将物料按不同要求筛选出不同颗粒。



## Compact Coagulator 紧凑型凝固器

Cooks liquid fish and animal based raw materials so they are coagulated effectively.

对源于鱼类和动物的液态原材料进行蒸煮，使其有效地凝固。





# Showcase:





**SENSITAR**  
**鑫正达**



**SHANDONG SENSITAR MACHINERY MANUFACTURING CO.,LTD**

Address: Xiangzhou Industrial Park , Zhucheng City , Shandong Province.

Tel: +86-536-6053990

Fax: +86-536-6053915

Mob/Wechat/Whatsapp: +86-18766363705

Email: [xzdjx@xzdjx.com](mailto:xzdjx@xzdjx.com)

[www.sensitarr.com](http://www.sensitarr.com)

**山东鑫正达机械制造有限公司**

地址：山东省诸城市相州工业园

电话：0536-6053990

传真：0536-6053915

手机/微信：+86-18766363705

邮箱：[xzdjx@xzdjx.com](mailto:xzdjx@xzdjx.com)

[www.sensitar.com](http://www.sensitar.com)