



## 深远海养殖装备与陆基工厂化养殖设备 研发、生产、销售及安装

Research and development, production, sales, and installation of deep-sea  
aquaculture equipment and land - based intensive aquaculture equipment



## 企业介绍

## Enterprise introduction

青岛宝裕丰海洋科技有限公司位于青岛平度市经济开发区登州路45号，是一家专业从事海洋装备研发、生产、销售和安装的技术型企业。公司多年致力于深远海高科技养殖装备行业的研究与发展，并取得多项完全具有自主知识产权的发明专利。

公司拥有全面的生产研发、技术支持和销售团队，产品技术含量、工艺水平和加工制造能力在行业内具有领先优势。公司始终奉行“质量第一、用户至上”的宗旨，秉承严格的质量管理体系，雄厚的技术实力，为广大用户量身定制最契合的产品和解决方案，我们诚挚希望与广大用户合作共赢，共创辉煌未来！



Qingdao Baoyufeng Marine Technology Co., Ltd. is located at No. 45, Dengzhou Road, Qingdao Pingdu Economic Development Zone, is a technology-based enterprise specializing in the research and development, production, sales and installation of marine equipment. The company has been committed to the research and development of high-tech breeding facilities industry in the deep sea for many years, and has obtained a number of patents with independent intellectual property rights. The company's product structure is advanced and reasonable, the material toughness is good, the aging resistance is strong, and it has strong ability to resist wind and waves.

The company pursues the tenet of "quality first, customer first", has a strict management system, supply the most suitable products and solution for all users. Sincerely welcome our customer worldwide, creates the value and brilliance future together.

## 荣誉和资质

## Honors and Qualifications



## Corporate Patent

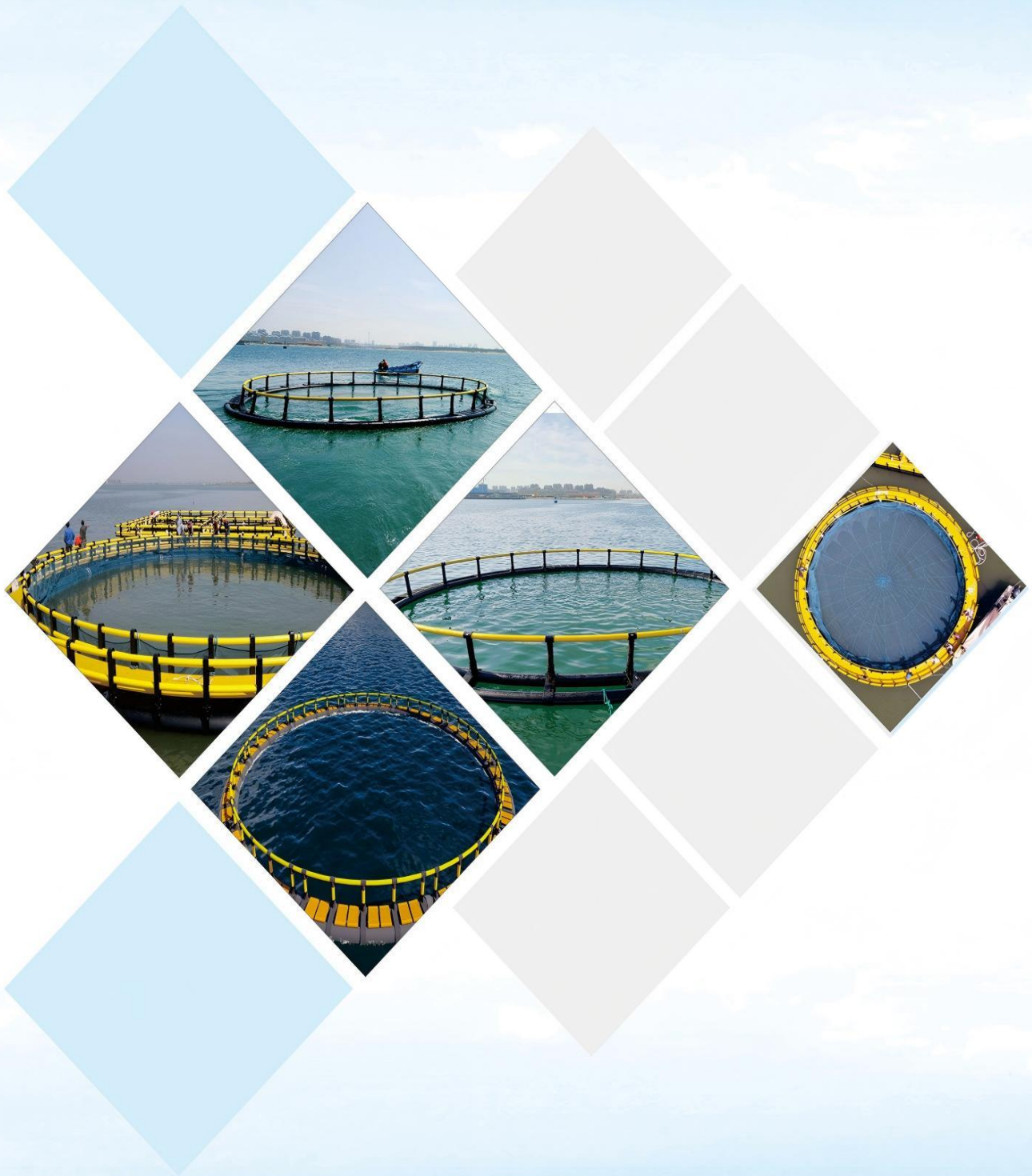


海洋科技宝裕丰  
同心共筑深蓝梦



# 深远海重力式网箱

Deep-sea gravity cage





## 深远海重力式网箱

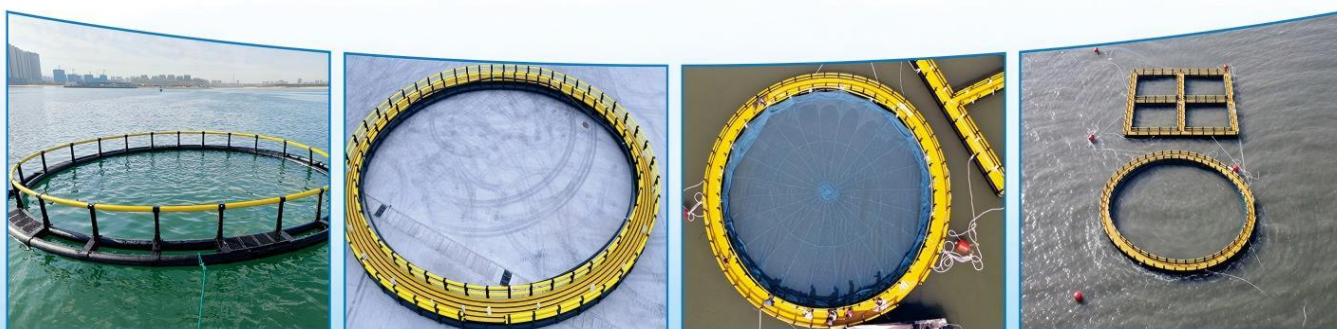
### 一、产品定位与核心价值 ( Product positioning and core value )

**定位：**深远海规模化水产养殖 “生态养殖核心载体”，广泛适配各类中高端海水鱼类养殖，兼顾养殖效率与海洋生态保护，助力养殖企业突破近岸资源限制，拓展深远海养殖新空间。

**Positioning:** "the core carrier of ecological aquaculture" for large – scale deep – sea aquaculture, which is widely suitable for all kinds of medium and high – end mariculture fish farming, takes into account the efficiency of aquaculture and marine ecological protection, helps aquaculture enterprises break through the limitations of nearshore resources, and expand new space for deep – sea aquaculture.

**核心价值：**抗风浪性能卓越，适配深远海复杂环境；养殖容量大，支持高密度高效养殖；减少水体污染，契合绿色生态养殖理念；模块化设计降低运维成本，推动深远海养殖产业化、标准化发展。

**Core value:** Excellent wind and wave resistance, suitable for deep – sea complex environment; large breeding capacity, support high density and efficient breeding; reduce water pollution, in line with the concept of green ecological breeding; modular design to reduce operation and maintenance costs, promote the industrialization and standardization of deep – sea breeding and wave resistance; adopts recyclable materials, is green and environmentally friendly, and has low comprehensive breeding



## 二、核心优势 ( Core Advantages )



超强抗逆，稳御极端海况

Superior resilience to extreme sea conditions

大容高效，生态适配性强

Large capacity, high efficiency, strong ecological adaptability

耐腐蚀用，全周期低耗运维

Durable, low cost operation and maintenance throughout the cycle

灵活定制，全场景适配

Flexible customization, full scenario adaptation

## 三、应用场景 ( Application scenarios )

HDPE 浮架提供浮力支撑，使网箱漂浮于海面，水上部分供设备安装与人员作业，水下网衣形成封闭养殖空间；多锚点重力锚通过锚链固定浮架以防漂移，海水经网衣自然交换实现生态养殖，配套设备助力精准管理减少人工干预。

The HDPE floating frame provides buoyancy support, keeping the cage afloat on the sea surface; the above – water part (floating frame + functional platform) facilitates equipment installation and personnel operations, while the underwater part (netting) forms an enclosed aquaculture space. Multi – point gravity anchors secure the floating frame via the anchor chains to prevent drifting; seawater naturally circulates through the netting pores for ecological aquaculture, and supporting equipment enables precise management to reduce manual intervention.



四、核心技术参数 Core technical parameters

系统	关键参数		
主体结构 Main Structure	网箱直径: 10 – 100m Cage diameter: 10 – 100m	浮管: HDPE 管材 (直径 160 – 630mm) Floating tube: HDPE pipe with a diameter of 160 – 630mm	网箱支架: 160 – 630mm Net cage bracket diameter: 160 – 630mm
网衣系统 Netting System	材质: 超高分子量聚乙烯、高密度聚乙烯、PET、尼龙, 网目可定制 Material: high molecular weight polyethylene, high density polyethylene, PET, nylon; mesh can be customized		
环境适配 Environmental Adaptability	抗风≤12 级, 抗浪≤5m, 抗流≤1.5m/s Wind resistance: ≤Level 12; Wave resistance: ≤5m; Current resistance: ≤1.5m/s		



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## 多功能平台

Multifunctional platform



绿色高效 共赢美好





## 多功能平台



### 一、产品概述

本款多功能海洋平台采用半潜式框架结构，造型可按用户需求定制，灵活适配各类海洋作业与休闲场景。

This multi-functional ocean platform adopts a semi-submersible frame structure, with a customizable configuration to be flexibly adaptable to various marine operations and leisure scenarios.”

### 二、结构与材质 providing stable and safe space

#### （一）结构组成

平台上半部分含支架、踏板、方管、防撞板及安全护栏，为人员活动与设备安置提供稳定安全空间；下半部分由 PE 管材与连接件组合而成，兼顾结构稳定与耐海水腐蚀性。

The upper part includes supports, pedals, square tubes, anti-collision plates and safety guardrails, providing stable and safe space for personnel activities and equipment placement; the lower part is composed of PE pipes and connectors, balancing structural stability and resistance to seawater corrosion.

#### （二）材质优势

##### 1. 甲板

采用高强度 PE 踏板，承重与抗冲击性优异，适配海洋环境下的各类作业与活动。

High-strength PE pedals are used for the deck, with excellent load-bearing and



impact resistance, suitable for various operations and activities in marine environments.

## 2. 金属连接件

选用 316L 不锈钢，在高盐高湿海洋环境中耐腐蚀，有效延长平台寿命。

316L stainless steel is used for metal connectors, which are corrosion-resistant in high-salt and high-humidity marine environments, effectively extending the platform's service life.

## 3. 主要材料

以 HDPE 材质为主，具备高拉伸强度、耐磨性，且环保、抗老化、免维护，大幅降低后期养护成本。

Mainly made of HDPE, it has high tensile strength, wear resistance, environmental protection, anti-aging and maintenance-free properties, significantly reducing later maintenance costs.



## 三、功能应用

### （一）基础功能

用途广泛，可用于养殖看护、海洋牧场环境监测，也能支持休闲垂钓、餐饮及海上观光旅游，满足多元化海洋体验需求。

It has a wide range of uses, such as aquaculture care, marine ranch environmental monitoring, and supports leisure fishing, catering and sea sightseeing, meeting diversified marine experience needs.

### （二）拓展延伸

可延伸开展海洋牧场科普教育、高端海上度假等相关项目，为海洋产业多元化发展创



造更多可能。

It can be extended to carry out projects such as marine ranch science popularization and high-end sea vacations, creating more possibilities for the diversified development of the marine industry.



砣矶岛多功能平台



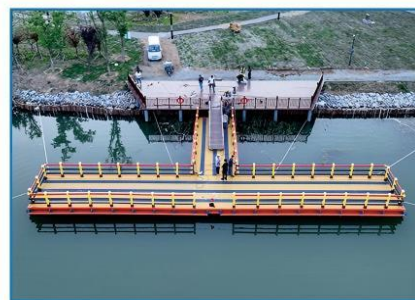
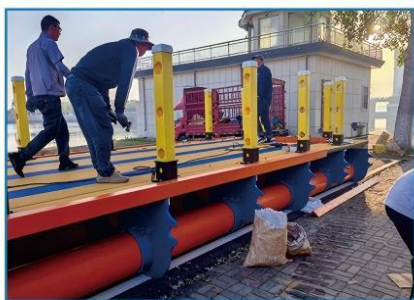
大连长海县监测平台

#### 四、性能优势

抗风浪能力强，可抵御 $\leq 12$ 级风及 $\leq 5$ 米浪，在复杂海洋天气下保持稳定，保障人员与设备安全。

It has strong wind and wave resistance, withstanding winds of up to 12 levels and waves of up to 5 meters, and remaining stable in complex marine weather to ensure the safety of personnel and equipment.

#### 连云港石梁河项目



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## 新型浮式挡浪坝

New floating wave dam



产品由浮体和锚固系统组成，半浮于水面之上，利用浮体阻止波浪传播并进行波浪破碎，在波浪的作用下，上下浮动、前后摆动，干扰波浪运动，破坏波浪内部水流结构，以达到消减波能的目的。

The product consists of a floating body and an anchoring system. It floats half above the water surface and uses the floating body to prevent wave propagation and break waves. Under the action of waves, it floats up and down and swings back and forth, interacts with the wave movement and destroys the internal water flow structure of the wave to achieve the purpose of reducing wave energy.

特点：

- 1.产品整体使用聚乙烯材料，环保无毒无污染。
- 2..性价比高、使用寿命长。
- 3.能有效阻挡所产生的风浪、涌浪，可抵御 $\leq 12$ 级风及 $\leq 5$ 米浪。





### Characteristic:

The whole product uses polyethylene material, which is environmentally friendly, non - toxic and pollution - free.

The cost - performance ratio is relatively high and the service life is long.

It can effectively block the generated wind waves and surges, resist typhoons up to Category 12, and withstand waves up to 5 meters.

### 技术参数 ( Technical Parameters )

型号 Model	差异化设计 Differentiated design	适用海域场景 Applicable sea areas
BYF-D1	经济实用型设计 Economic and practical design	适用于有表层风浪的海域，造价成本相对较低，满足基础消浪需求。 It is suitable for the sea area with surface wind waves, and the cost is relatively low to meet the basic wave dissipation demand.
BYF-D2	基础防涌浪设计 Basic wave surge design	适用于有表层风浪和轻微涌浪的海域，增强对低强度涌浪的抵御能力。 It is suitable for the sea area with surface wind waves and slight swells, and can enhance the resistance to low intensity swells.
BYF-D3	底部加宽设计 Bottom width design	适用于有表层风浪、涌浪的海域和对消浪有一定要求的养殖区域，提升消浪稳定性。 It is suitable for the sea area with surface wind waves and swells and the aquaculture area with certain requirements for wave dissipation to improve the stability of wave dissipation.
BYF-D4	底部加宽设计 Bottom width design	适用于有表层风浪和涌浪的海域，为相关区域提供稳定消浪保护。 It is suitable for the sea area with surface wind wave and surge wave, and provides stable wave dissipation protection for relevant areas.
BYF-D5	底部加宽、加高设计 The bottom is widened and raised	消浪减流性能优越，适用于有风浪、涌浪、混合浪的复杂海域，以及对消浪减流有较高要求的海工、码头、军工及养殖区域。 The wave dissipation and flow reduction performance is excellent, which is suitable for the complex sea areas with wind waves, surge waves and mixed waves, as well as the offshore engineering, wharf, military and aquaculture areas where wave dissipation and flow reduction are required.



## 新型高密度海参海胆混合养殖网箱

New high-density sea cucumber and sea urchin mixed growing cage



### 一、产品定位 ( Product Positioning )

专为海参与海胆生态混养设计的高密度养殖装备，通过优化空间结构与环境调控，实现两种生物互利共生，提升单位水体养殖效益，适配浅海、滩涂及半封闭海域等场景，并提供定制化网箱尺寸与网目规格，满足不同养殖规模与苗种大小的需求。

A high – density aquaculture equipment designed for the ecological mixed culture of sea cucumbers and sea urchins. By optimizing spatial structure and environmental regulation, it realizes the mutualistic symbiosis of the two species, improves the aquaculture efficiency per unit water volume, and is suitable for shallow seas, tidal flats, semi – enclosed sea areas and other scenarios. It also provides customized cage sizes and mesh specifications to meet the needs of different aquaculture scales and seed sizes.





## 二、核心设计 (Core Design)

**1、分层栖息结构：**网箱内分设海参潜居区（底部铺设多孔附着基）与海胆活动区（中层设网格平台），满足不同生物习性，减少空间竞争。

**Layered Habitat Structure:** The cage is divided into a sea cucumber hiding area (with porous attachment substrates laid at the bottom) and a sea urchin activity area (with a grid platform in the middle layer), meeting the habits of different organisms and reducing spatial competition.

**2、高精度网衣系统：**采用高强度 PE 编织网衣，既能防止苗种逃逸，又保障水体交换与浮游生物流通。

**High-precision Netting System:** Adopts high – strength PE woven netting, which can both prevent seed escape and ensure water exchange and plankton circulation.

**3、生态循环机制：**海胆摄食藻类可抑制网箱内藻类过度繁殖，其排泄物为海参提供营养；海参清理残饵与有机碎屑，净化养殖环境，形成良性生态链。

**Ecological Cycle Mechanism:** Sea urchins feed on algae to inhibit excessive algae growth in the cage, and their excrement provides nutrients for sea cucumbers; sea cucumbers clean up residual bait and organic debris to purify the aquaculture environment, forming a benign ecological chain.





## 渔光互补光伏生态养殖网箱

Fishery light complementary photovoltaic ecological breeding net cage



### 一、技术优势 Technical Advantages

**抗风浪：**外围消浪坝与内部减浪排配合，可抵御8级以上大风、3米以上海浪，保障养殖环境稳定。

**光伏高效：**光伏板载体以特殊浮力材料和稳固结构，让光伏板合理分布、充分受光，高效发电，为养殖及周边设施供电。

**生态养殖：**网箱水体流通好，结合光伏电，可搭载智能增氧、水质监测设备，实时优化水质，提升水产品成活率与品质。

Wind and wave resistance: The cooperation of the peripheral wave – dissipating dike and the internal wave – reducing row can resist winds above level 8 and waves above 3 meters, ensuring the stability of the aquaculture environment.

High efficiency of photovoltaic panels: The photovoltaic panel carrier adopts special material components and panel structure, which makes the photovoltaic panels distribute reasonably, receive light fully, generate electricity efficiently, and supply power for aquaculture and surrounding facilities.

Ecological aquaculture: The cage has good water circulation. Combined with photovoltaic power generation, it can be equipped with intelligent oxygenation and water quality monitoring equipment to optimize the water quality in real time and improve the survival rate and quality of aquatic products.

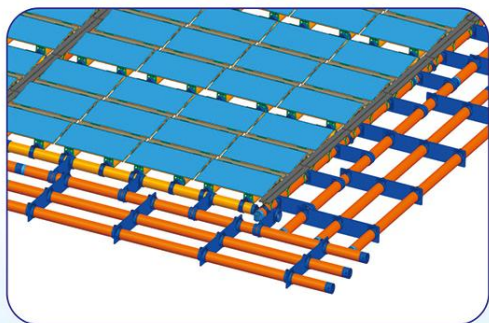
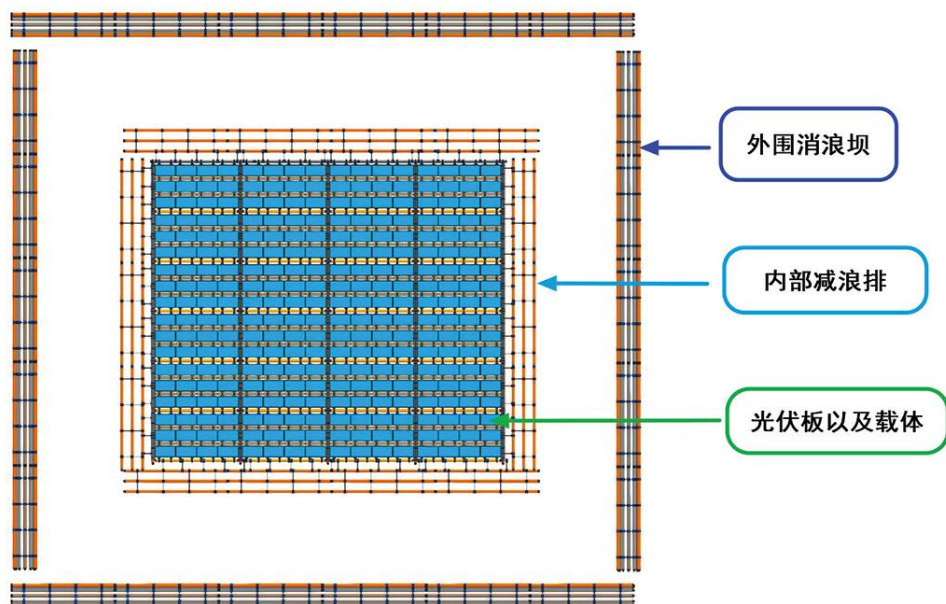




## 二、应用场景 Application Scenarios

适用于沿海、湖泊等水域，尤其适合有乡村振兴、产业融合需求，且有光照和水产养殖条件的地区，如沿海渔村、内陆湖泊周边乡村，可按需定制。

Suitable for coastal areas, lakes and other waters, especially for areas with rural revitalization and industrial integration needs, as well as sunlight and aquaculture conditions, such as coastal fishing villages and villages around inland lakes, and can be customized according to requirements.

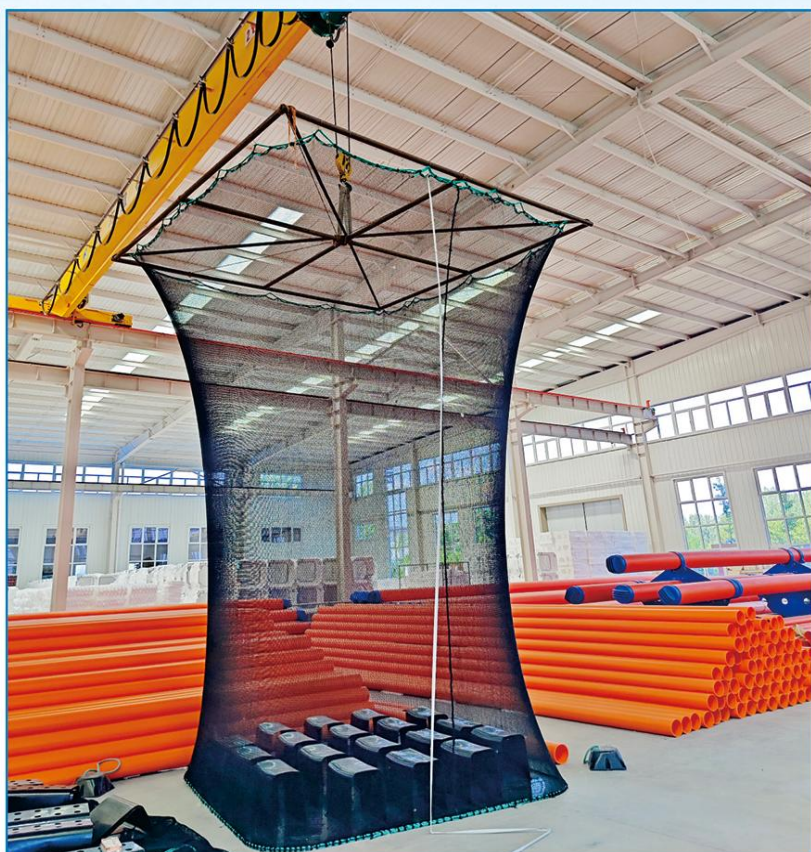






## 养殖网衣

## Farming nets



网衣采用高密度聚乙烯材料的网线，使用先进编织工艺缝制而成，其有效附着时间远高于传统网衣，网衣安全性好、柔韧性高、使用寿命长，这大大降低了人工换网频率。内部附着基增加了人工养殖面积，提升了养殖空间利用率。海参海胆的混养模式也形成了一个自然的食物链系统。

The mesh is made of high - density polyethylene material mesh wire, sewn by advanced weaving technology, and its effective bio - attachment duration is much longer than that of traditional mesh. The mesh has good safety, high flexibility and long service life, which greatly reduces the frequency of manual net replacement. The internal substrate increases the artificial cultivation area and improves the utilization rate of breeding space. The polyculture of sea cucumbers and sea urchins also forms a natural food chain system.



## 人工礁 Artificial reefs



在海里建造人工礁具有多种用途，包括促进海洋生态系统的恢复和保护、促进渔业和旅游业的发展、促进科学研究的发展、促进海洋文化的传承和发展等。因此，在海里建造人工礁是一项有意义的工作，可以为人类和海洋生态系统带来多重利益。

The construction of artificial reefs in the sea has many uses, including promoting the restoration and protection of marine ecosystems, promoting the development of fisheries and tourism, promoting the development of scientific research, and promoting the inheritance and development of marine culture, etc. Therefore, building artificial reefs in the sea is a meaningful work that can bring multiple benefits to human beings and the marine ecosystem.

## SFT1 系列智能数字投饲机

### SFT1 SERIES INTELLIGENT DIGITAL FEEDING MACHINE



#### 多种饲料规格

饲料规格 0.3-16 mm  
满足不同阶段养殖需求

#### Multiple Feed Specifications

Feed specification 0.3-16mm to meet the breeding needs of different stages



#### 精准投喂

投喂误差  $\leq 3\%$   
定时定量精准投喂

#### Precise Feeding

Feeding error  $< 3\%$ , timed and quantitative precise feeding



#### 多种操作方式

Web端 / Pad端 / App端  
实时查看投喂数据

#### Multiple Operation Modes

Web/Pad/App terminals to view feeding data in real time



#### 规模化管理

单人管理多个车间  
实时操控设备运行

#### Large-scale Management

Single person manages multiple workshops and controls equipment operation in real time

## 您身边的智能投喂管家 因为专注所以专业

Your intelligent feeding steward Focus-so professional.

以品质装备赋能水产养殖，共创高效、绿色养殖新生态

Your intelligent feeding steward. Focus-so professional.

Empower aquaculture with high-quality equipment and create a new efficient and green aquaculture ecology.

青岛宝裕丰海洋科技有限公司

Qingdao Baoyufeng Marine Technology Co., Ltd





# SFT1 SERIES INTELLIGENT DIGITAL FEEDING MACHINE

## SFT1 系列智能数字投饲机



### 一、品牌与定位 Brand & Position

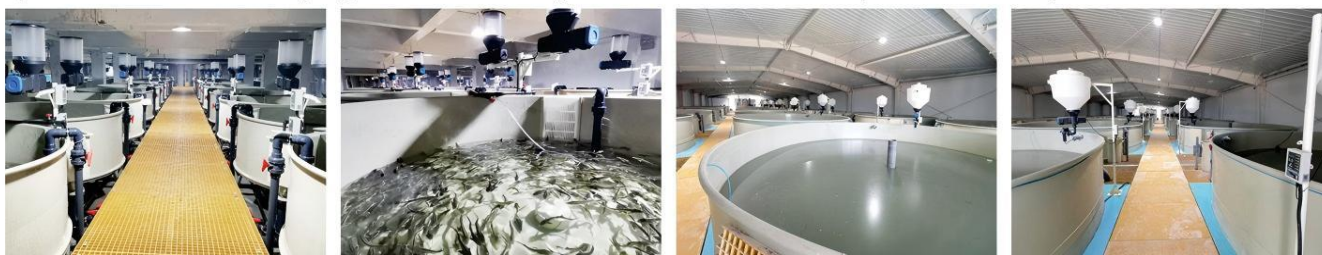
**定位：**水产养殖“智慧投喂管家”，覆盖工厂化、外海网箱、深远海全场景，以精准化、智能化技术助力养殖降本增效，为养殖户提供高适配、高可靠的投喂解决方案。

**Positioning:** The "intelligent feeding steward" for aquaculture covers the whole scenarios of industrialization, offshore cages, and deep-sea, and helps aquaculture reduce costs and increase efficiency with precise and intelligent technologies, providing farmers with highly adaptable and reliable feeding solutions.

### 二、核心优势 Major Advantages

**1. 全场景适配，灵活定制：**针对工厂化车间、外海网箱、深远海养殖不同需求，提供差异化机型，料仓规格、输送方式可按需调整，适配各类养殖规模。

1.All-scenario adaptation and flexible customization: According to the different needs of industrial workshops, offshore cages, and deep-sea aquaculture, differentiated models are provided. The silo specification and conveying mode can be adjusted as needed to adapt to various aquaculture scales.

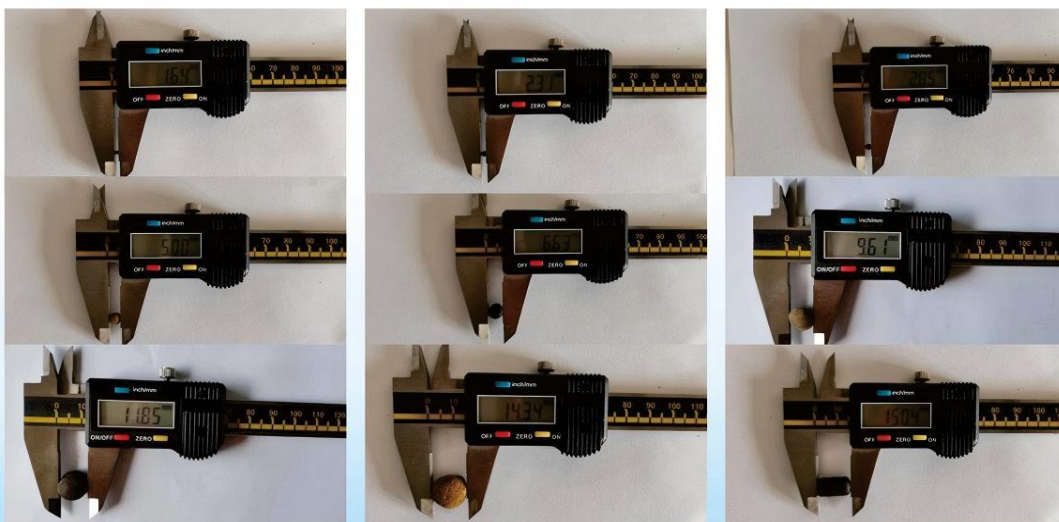


**2. 精准投喂，降本提效：**投喂精度 $>97\%$ ，饵料破碎率 $<1\%$ ，支持定时、定量、多次投喂设定，减少饲料浪费与水质污染，提升饵料转化率，降低养殖成本。

2.Precise feeding, cost reduction and efficiency increase: Feeding accuracy  $>97\%$ , feed crushing rate  $<1\%$ !, supports timing, quantitative, and multiple feeding settings, reduces feed waste and water pollution, improves feed conversion rate, and reduces aquaculture costs.

投饲机实测根据不同需求可投喂的饵料规格(mm)，部分规格如右图：

The feeding machine can feed materials of different specifications (mm) according to different needs. Some specifications are as follows:





3. 强耐候设计，稳定运行：全机身可盐水冲洗，耐受高盐雾、高湿环境，外海 / 深远海机型强化抗风浪结构，适配海洋恶劣养殖工况，保障设备长期稳定作业。
- 3.Seawater-resistant design for stable operation: The whole machine can be rinsed with salt water, resistant to high salt fog and high humidity environments. The offshore/deep-sea models strengthen the anti-wind and wave structure, adapt to the harsh aquaculture conditions at sea, and ensure the long-term stable operation of the equipment.
4. 智能远程管控，便捷省心：支持 Web、Pad、APP 多端操控，实时查看水温、气温、料仓余量，实现养殖投喂无人化值守。
- 4.Intelligent remote control, convenient and worry-free: Supports multi-terminal control of Web, Pad, and APP, real-time viewing of water temperature, air temperature, silo remaining amount, automatic alarm for faults, and realizes unmanned attendance for aquaculture feeding.



三、产品系列与关键参数 Product Series& Key Parameters

产品类型 Product Type	料仓规格 Silo Specification	投饲规格 Feeding Specification	核心配置 Core Configuration	适配场景 Application Scenario
工厂化养殖投饲机 Industrial Aquaculture Feeding Machine	s15L ( 可定制 ) ( Customization ) 25L/40L/160L	0.2-16mm 颗粒 ( Granules )	DC18-36V 宽电压 ( wide voltage ) , 0-4r/min 转速 ( Rotation speed ) , 0-5m 甩料距离 ( feeding Throw Distance )	室内养殖车间 (Indoor Aquaculture Workshop) 育苗车间 (Seedling Eaising Workshop) 亲鱼培育车间 (Parent Fish Cultivation Workshop)
外海网箱养殖投饲机 Offshore Cage Aquaculture feeding Machine	40/160L	1-16mm 颗粒 ( Granules )	可选太阳能供电 (Optional Solar Power Supply), 料位/双温监测报警 (Forage Level/Dual Temperature Monitoring & Alarm) 0.4r/min 转速 ( Rotational speed )	室外小规模网箱 (Small-Scale Offshore Cages) 近海养殖池塘 (Near-Sea Aquaculture Ponds)
深远海养殖投饲机	定制款 According to Client's Request	5-25mm 颗粒 ( Granules )	罗茨风机吹送 (Roots Blower Blowing), 最远 600m 输送 (Maximum 600m Convey) 1200kg/h, 最大投饲量 (Maximum Feeding Amount)	深远海大型网箱 (Large-Scale Deep-Sea Cages) 规模化海洋牧场 (Large-Scale Marine Pastures)





#### 四、智能系统亮点 Highlights of Intelligent System

**云平台数据管理:** 实时统计设备投饲量、运行状态, 自动生成数据报表, 辅助养殖户优化投喂策略, 科学管理养殖流程。

Cloud platform data management: Real-time stats of equipment feeding & operation, auto data reports to optimize feeding.

**多模式投喂控制:** 支持自动定时投喂、手动补充投喂, 适配海参、海胆、鱼类等不同品种的生长节律与投喂需求。

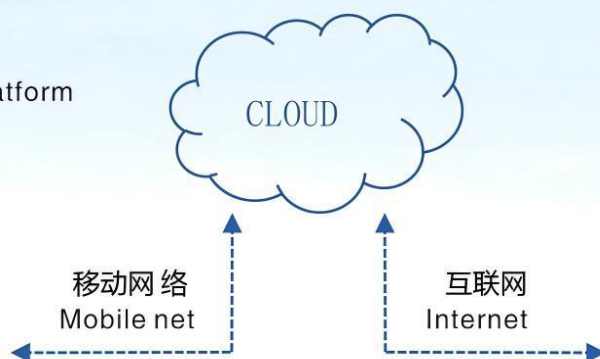
Multi-mode feeding control: Auto timed & manual feeding for sea cucumbers, urchins, fish, etc

##### 智能投喂云平台

Intelligent Feeding Cloud Platform



数字投饵机  
Digital Feeding  
Machine



数字投饵机采集到生产数据后, 通过移动网络 (4G/5G), 高速高效地将数据信息传输到 "智能投喂云平台", 用户可以通过移动管理端 (手机、Pad 和电脑) 进行查看及控制。

Digital feeding machines collect production data and transmit data information to the "Intelligent Feeding Cloud Platform" at high speed and efficiency through mobile networks (4G/5G). Users can view and control it through mobile management terminals (mobile phones, Pads, and computers)



移动管理端  
Mobile Management  
Terminal

#### 五、企业实力背书 Corporate Strength

宝裕丰深耕海洋养殖装备领域, 依托专业研发团队, 聚焦养殖痛点创新技术, 产品覆盖山东、辽宁、浙江等沿海养殖核心区域, 已服务众多规模化养殖企业, 以可靠品质与优质服务获得行业认可, 为水产养殖数字化升级保驾护航。

Baoyufeng has deeply engaged in marine aquaculture equipment, With a professional R&D team. it innovates technologies to address aquaculture pain points, Its products cover core coastal aquaculture areas like Shandong, Liaoning and Zhejiang, serving many large-scale aquaculture enterprises, It has gained industry recognition for reliable quality and quality services, escorting the digital upgrading of aquaculture.



地址: 山东省青岛平度市经济开发区登州路45号

电话: 13906480673

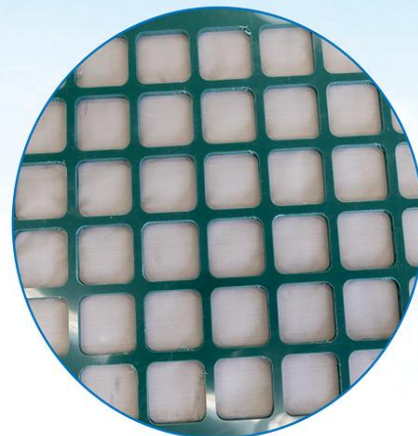
Address: 45 Dengzhou Road, Pingdu Economic Development  
Zone, Qingdao City, Shandong Province

Telephone: 13906480673



## 转鼓式微滤机

Drum-type Micro-filte



### 一、产品基础信息 ( Product basic information )

#### ( 一 ) 产品简介 Product Introduction

转鼓过滤器为机械式设备，以微滤网高效去除污水中废物与细颗粒，可自动监控水位、感应清洗滤网，还能快速清除鱼粪、残饲等杂质并及时冲洗排出。

The drum filter is a mechanical device that uses a microscreen to efficiently remove wastes and fine particles from sewage. It can automatically monitor water level, sense and clean the screen, and quickly remove impurities such as fish feces and residual feed, then flush them out in time.

#### ( 二 ) 工作原理 Working principle

废水轴向进入转鼓，经径向筛网流出时杂质被截留在滤网内表面；杂质随转鼓转至上部后，由压力水反冲至排污槽，最终从排污口排出。

Wastewater enters the drum axially and flows out through the radial screen, with impurities trapped on the inner surface of the screen. When impurities rotate to the upper part with the drum, they are backwashed by pressurized water into the sewage trough and finally discharged from the sewage outlet.

### 二、产品定位 ( Product Positioning )

专为水产养殖、工业循环水及市政污水处理设计的高效固液分离设备，通过高精度过滤组件去除悬浮杂质、残饵、粪便，降低水体浊度，适配多场景，可定制过滤精度与设备尺寸。





A high-efficiency solid-liquid separation device for aquaculture, industrial circulating water and municipal sewage treatment. It removes suspended impurities, residual bait and feces via high-precision filter components to reduce water turbidity, fits multiple scenarios, and supports customized filtration precision and equipment size.

### 三、核心功能 ( Core Functions )

**高精度过滤：**采用不锈钢滤网(网目可选)，截留效率超 90%，避免水质恶化。

High – precision filtration: Adopts stainless steel filter screen (with optional mesh sizes), with an interception efficiency of over 90%, preventing water deterioration.

**自动反冲洗：**压差达 0.05–0.1MPa 时自动启动，高压水 / 气水冲洗，无需停机手动清理。

Automatic backwashing: Starts automatically when pressure difference reaches 0.05–0.1MPa, with high-pressure water/air–water flushing, no shutdown for manual cleaning.

**抗腐蚀耐用：**304/316 不锈钢或PE材质，耐酸碱盐雾，寿命 8–10 年。

Corrosion resistance & durability: 304/316 stainless steel or PE material, resistant to acid, alkali and salt spray, with a service life of 8 – 10 years.

**低能耗运行：**单位能耗 0.1–0.3kW · h/m<sup>3</sup>，比传统设备低 30% 以上。

Low-energy operation: Energy consumption per unit 0.1–0.3kW · h/m<sup>3</sup>, over 30% lower than traditional equipment.

### 四、应用场景 ( Application Scenarios )

**水产养殖：**循环水养殖尾水过滤、网箱水质净化、育苗池杂质去除。

Aquaculture: Tailwater filtration for recirculating water aquaculture, cage water purification, and impurity removal from seedling ponds.

**工业水处理：**电力 / 化工 / 纺织循环冷却水处理，防管道堵塞。

Industrial water treatment: Circulating cooling water treatment for power/chemical/textile industries, preventing pipeline blockage.

**市政与景观水：**小区污水过滤、人工湖 / 景观池水质维护。

Municipal & landscape water: Residential sewage filtration, water quality maintenance for artificial lakes and landscape ponds.



## 蛋白分离器

### Protein Skimmer



## 一、产品定位 ( Product Positioning )

专为水产养殖、景观水净化设计的有机物去除设备，通过气浮分离技术高效截留水体中蛋白质、残饵碎屑等溶解性有机物，降低氨氮、亚硝酸盐含量，改善水质，适配工厂化养殖、网箱配套及景观水池，支持定制处理量与尺寸。

A dedicated organic matter removal device designed for aquaculture and landscape water purification. It efficiently traps soluble organics such as dissolved protein and residual bait debris in water via air-flotation separation technology, reducing ammonia nitrogen and nitrite levels to improve water quality. It is compatible with industrial aquaculture, cage matching and landscape pools, and supports customized treatment capacity and size.

## 二、核心功能 ( Core Functions )

**高效气浮分离：**采用射流式 / 文丘里式进气，产生细密气泡（直径 5-50  $\mu\text{m}$ ），吸附有机物效率超 85%，快速净化水质。





**Efficient Air-Flotation Separation:** Adopts jet-type/Venturi-type air intake to generate fine bubbles (with a diameter of 5–50  $\mu\text{m}$ ), with an organic matter adsorption efficiency of over 85% to achieve rapid water purification.

**自动排渣:** 配备电子阀门, 当达到设定的时间时自动开启排污, 无需人工值守。

**Automatic Slag Discharge:** Equipped with an electronic valve, which automatically opens for sewage discharge when the set time is reached, requiring no manual on-duty.

**抗腐蚀耐用:** 主体采用食品级 PP 材质, 耐海水、酸碱腐蚀, 使用寿命 8–10 年。

**Corrosion Resistance & Durability:** The main body is made of food-grade PP material, resistant to seawater, acid and alkali corrosion, with a service life of 8–10 years.

**低噪低能耗:** 采用静音针刷泵, 运行噪音  $\leq 55\text{dB}$ , 单位处理水量能耗  $0.75\text{kW} \cdot \text{h}/\text{m}^3$ 。

**Low Noise & Low Energy Consumption:** Employs a mute needle brush pump, with an operating noise of  $\leq 55\text{dB}$  and an energy consumption of  $0.75\text{kW} \cdot \text{h}/\text{m}^3$  per unit water treatment volume.



### 三、应用场景 ( Application Scenarios )

**水产养殖:** 工厂化循环水养殖系统、虾蟹育苗池的水质预处理, 降低养殖生物发病风险。

**Aquaculture:** Used for water pretreatment in industrial recirculating aquaculture systems and shrimp/crab seedling ponds, reducing the disease risk of cultured organisms.

**景观水净化:** 人工湖、别墅景观池的有机物去除, 避免水体发臭、富营养化, 保持水体清澈。

**Landscape Water Purification:** Removes organic matter from artificial lakes and villa landscape pools, preventing water odor and eutrophication to keep the water clear.



## 双排污生态捕集器（鱼马桶）

Dual pollutant discharge ecological collector (fish toilet)



### 一、产品定位与核心价值： Product positioning and core value

**定位：**是陆基工厂化循环水养殖系统的水质净化核心设备，可高效分离水体中的残饵、粪便等杂质，为水产养殖生物营造洁净的生长环境。

**Positioning:** As the core water purification equipment for land – based industrialized recirculating aquaculture systems, it can efficiently separate impurities such as residual bait and feces in water to provide a clean growth environment for aquatic organisms.

**核心价值：**减少污染，降低换水及处理成本；提升水产存活率与质量；适配循环水系统，助力生态养殖。

**Core values:** Reduce pollution, lower water change and treatment costs; improve aquatic survival rate and quality; be compatible with recirculating water systems, facilitating ecological aquaculture.





## 二、核心优势：Core Advantages

(一) 高效净化：重力沉降 + 漩涡分离，分离效率超 90%。

Efficient purification: Gravity sedimentation + vortex separation, with a separation efficiency of over 90%.

低耗易操作：无需额外动力，能耗低；设可拆卸清理口，单人可维护。

Low consumption & easy operation: No extra power is required, and energy consumption is low; equipped with detachable cleanout ports, maintainable by one person.

(二) 材质优势：主体为食品级 PP 材质，无毒耐腐蚀。

Material advantages: The main body is food-grade PP material, which is non-toxic and corrosion-resistant.

## 三、应用场景：Application scenarios

陆基工厂化循环水养殖系统的水质维护。

Water quality maintenance in land-based industrialized recirculating aquaculture systems.

## 四、功能特点

(一) 自动收集：无需人工，自动导粪入集污区，减少清理麻烦。

Automatic collection: No manual intervention, automatically guiding feces into the waste collection area, reducing cleaning burden.

(二) 净化水体：沉淀 + 过滤，去除粪渣杂质，提高透明度，抑制有害细菌。

Water purification: Sedimentation + filtration, removing fecal residues and impurities, improving transparency of water, and inhibiting harmful bacteria.

(三) 节省成本：减少换水与水电消耗，降低鱼病风险，节省开支。

Cost-saving: Reduce water change and water/electricity consumption, lower the risk of fish diseases, and save expenses.





宝满箱

鱼满网

丰收年年富满仓

——宝裕丰

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