

SEA URCHIN FARMING



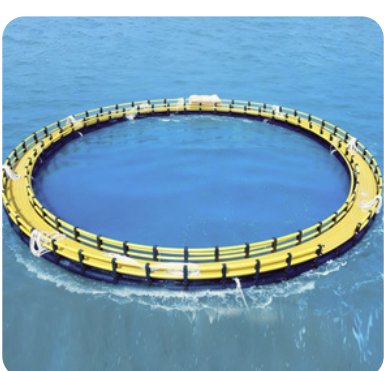
Company Profile

Qingdao Baoyufeng Marine Technology Co., Ltd. is located in Pingdu, Qingdao, China, and operates a modern manufacturing base covering 80,000 m². We specialize in the research, development, and manufacturing of inshore and offshore aquaculture equipment, as well as Recirculating Aquaculture Systems (RAS) for land-based aquaculture.

As an established aquaculture equipment manufacturer in China, we maintain close R&D partnerships with leading research institutes and universities. Backed by reliable product quality and integrated system solutions, our equipment has been exported to major aquaculture markets across Asia, Europe, Africa, and the Middle East.



Advanced Marine Materials



Offshore Aquaculture Equipment



Nearshore Aquaculture Equipment



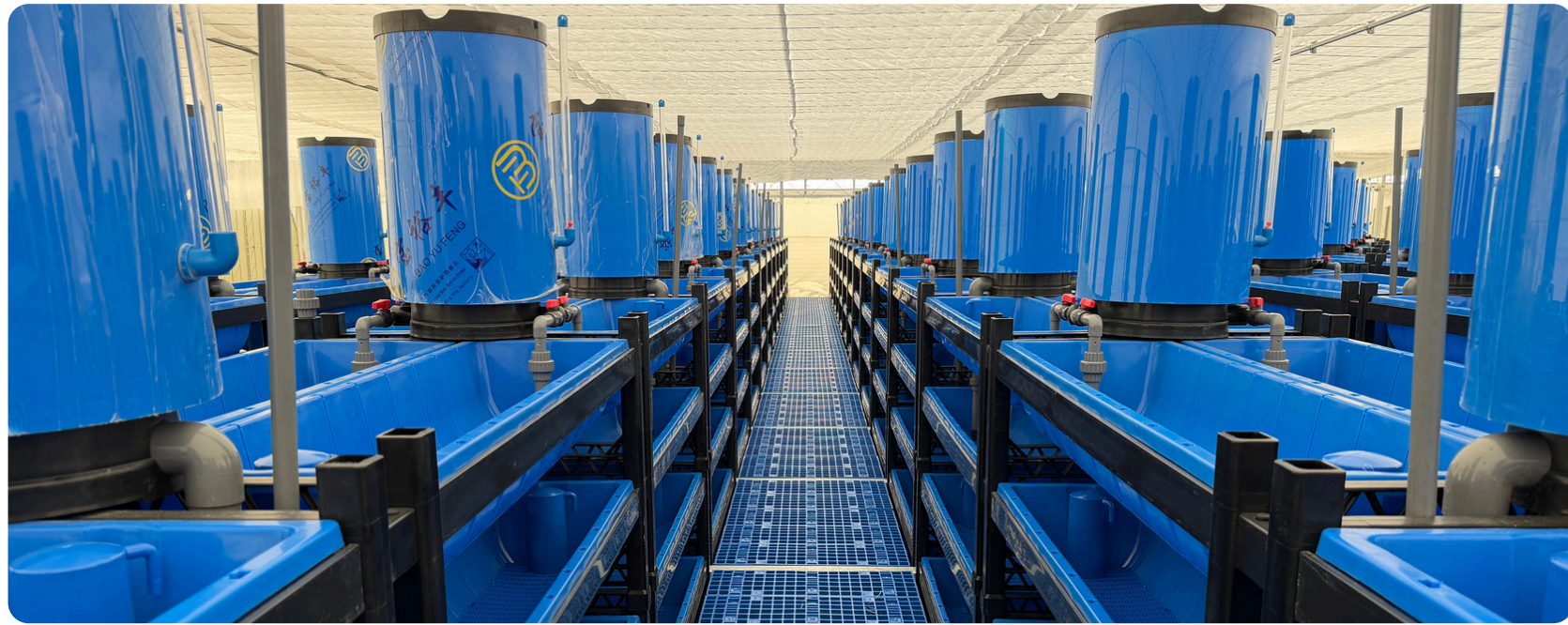
Recirculating Aquaculture Systems



End-to-end support from project planning and equipment customization to installation, commissioning, and technical guidance.

Powered by patented R&D, with proprietary sea urchin RAS technology validated through international projects for superior water quality stability.

Trusted worldwide, with on-time delivery, consistent quality, and long-term customer partnerships across global markets.



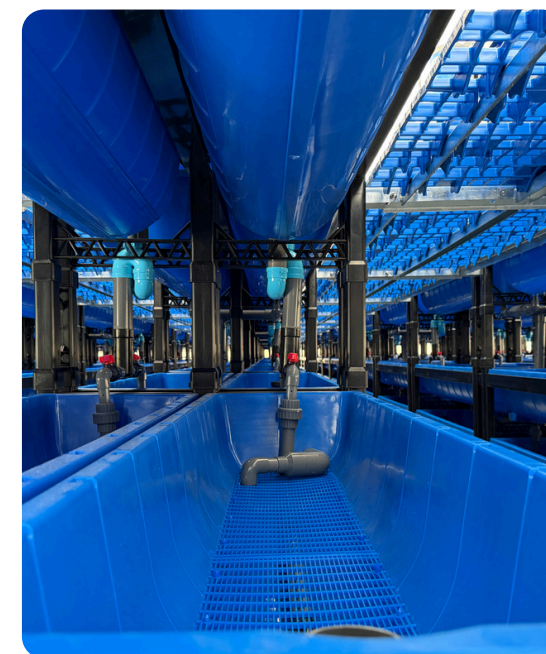
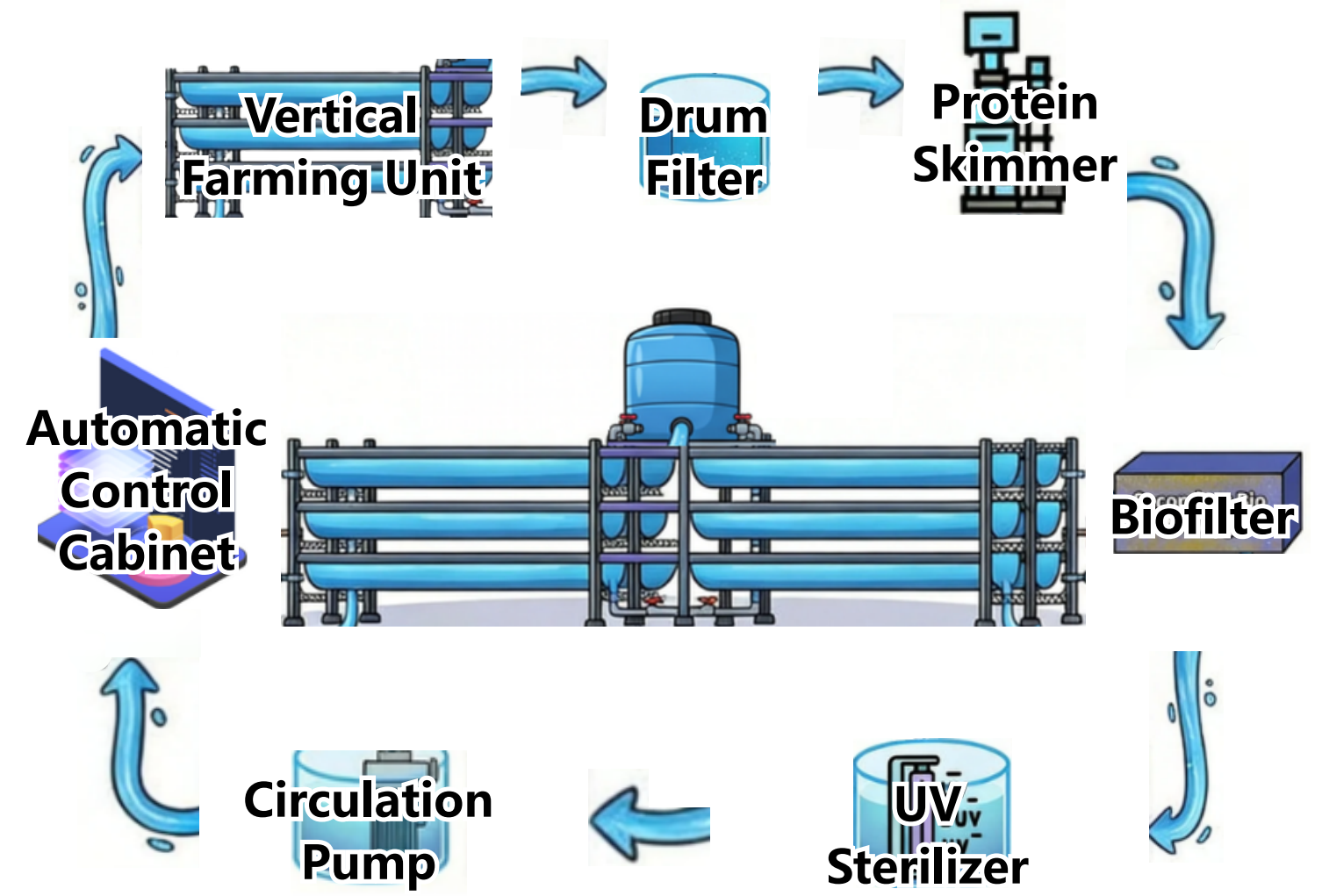
Sea Urchin Farming RAS

designed for intensive indoor sea urchin farming. By integrating mechanical and biological filtration, UV sterilization, and environmental control, it ensures stable, efficient, and year-round production.



Key Advantages

- Space-Saving Design, Higher Efficiency
- Modular Design, Flexible Expansion
- Stable Water Quality, Higher Survival
- Year-Round Production, Uninterrupted



Key Features

- High Yield, Better Welfare
- Low Energy, High Efficiency
- Automatic Waste Removal
- Low Water Use, Eco-Friendly
- Smart Control, Remote Monitoring
- Modular Design, Scalable System

Applications



Industrial Sea Urchin
Farming Facility



Hatcheries & Nursery
Centers



Aquaculture Research
Institutes



Integrated Farming
& Marketing

Why Choose Us

- Factory Direct, Worry-Free Supply
- Tailor-Made Solutions
- Expert Support, End to End
- Extensive Aquaculture Expertise
- On-Time Delivery, Proven Quality
- Global Trade, Local Support



A Game-Changing Case Study

Why Did South Korea's Smart Fisheries Project Choose Us?

With wild sea urchin resources declining, commercial farming has become a major opportunity. We developed and patented a high-density multi-tier RAS specifically for sea urchins. Our customized solution passed the South Korean government's rigorous evaluation, helping the client successfully launch commercial production and set a new benchmark for industrial sea urchin farming.



Production Capacity Estimation

(Based on a 500 m² Standard Workshop)

- **Maximized Vertical Space:** 4-tier stacked design fits 1,152 culture tanks in a 500 m² workshop, maximizing production capacity.
- **Optimized High-Density Stocking:** 80–100 market-size sea urchins per tank, with 4–5 kg output and industry-leading production efficiency.
- **High Yield per Production Cycle:** 1,152 tanks deliver approximately 5,000 kg output per batch (based on 4.35 kg/tank).
- **Low Energy & Water Usage:** Only 150 tons of culture water with <10% daily replenishment (approx. 15 tons/day), significantly reducing operating costs.
- **Smart Management:** 1 operator manages 1 standard workshop (up to 2 workshops after training), reducing labor demand and costs.
- **8-Tier Expansion, Double Capacity**

Our Services

Step 1: Project Assessment & Planning

Based on your investment capacity and facility conditions, we conduct site surveys and data analysis to provide a professional feasibility report, including farming solutions, investment risks, and expected payback period.

Step 2: Equipment Manufacturing & Project Launch

After cooperation is confirmed, we complete customized equipment production within the agreed timeline. Our engineering team handles logistics, customs clearance, installation, commissioning, and startup guidance to ensure rapid operation.

Step 3: Expert Support & Long-Term Assistance

After project launch, we provide expert guidance on water quality management, disease prevention, and key farming challenges, ensuring stable and sustainable production.



 info@baoyufeng.com

 wateraquaculture.com

 No.45 Dengzhou Road, pingdu city Economic
Development Zone, Qingdao, Shandong, China.

Qingdao Baoyufeng Marine Technology Co., Ltd