SIANG MAY
Netting the world



Shellfish Farming

Your Partner

DESIGNED FOR AQUACULTURE.

ENGINEERED FOR THE WATER.

Aquaculture is more than farming in the sea.
It is a balance of biology, equipment, environmental conditions and daily processes, where every detail matters. When solutions perform well, farmers can focus on what matters most: healthy stock, operational efficiency and sustainable growth.

For more than 40 years, Siang May has developed expertise in synthetic fibres, netting, marine applications and equipment to deliver integrated solutions for aquaculture operators worldwide. Combining proven experience, quality manufacturing capability, customized turnkey packages and responsive support, we build long term partnership and enable our customers to grow businesses with confidence.

Together, we work to improve reliability and performance, enhancing the success of your aquaculture operations today and as your requirements evolve.

We are Your Partner in aquaculture solutions.

Content

04 Equipment

Tumbler
Float Bag
Growing Bag
Cage
Basket / Flip Basket
Float



12 Machines

Washing Machine
Hopping Conveyor
Sorting Machine
Net Washing Machine
Rotary Drum Filter
Crane



Designed for Every Stage of Shellfish Production Cycle

Our equipment is designed to support the complete shellfish production cycle, from early stage nursery through juvenile growth, farm management, grow out, harvest, grading and handling.

Modular culture equipment can be configured according to species, culture method, growth stage and handling requirements, supporting oyster, scallop and other shellfish farming applications.

Systems can also be adapted as production methods and operational requirements change, providing flexibility throughout the production cycle.

Nursery

Juvenile Growth

Farm Management

Grow Out

Harvest

Handling & Grading









Equipment





Pocket Net

Designed for oyster culture and management, the Pocket Net combines an open mesh structure, reinforced section and integrated hanging system to facilitate inspection, handling and routine farm operations.

Key Features

Organised Management

Compartmentalized multi pocket design to support oyster inspection and handling.

Reinforced Structure

Coated structural frames maintain net shape during routine use.

Open Framework

The mesh structure enables seawater circulation and delivery of natural food particles.

Versatile Applications

Configurable for different mesh size and storey according to operational requirements.

Designed Around Your Shellfish Production Cycle

The Pocket Net is used during grow out stage, providing a organised space for growing oysters. Its open mesh design supports oxygen exchange and access to natural food particles while facilitating routine inspection and maintenance.



Grow Out



Specifications

Product Type	Pocket Net Oyster
Model	PNO 1000
Dimension	720mm * 480mm
Mesh	15 to 40 mmsq
Storey	3 to 8 Storeys
Pockets	2 Pockets Per Storeys



Pearl Net

The Pearl Net is a pyramid shaped mesh cultivation net designed for use in oyster aquaculture. Featuring a wide base and reinforced mesh structure, it provides an efficient solution for managing oysters in farming systems.

Key Features

Environmental Friendly Design

The corrosion resistant coating prevents rust without galvanization, thus eliminating zinc release.

Opening Systems

Option of classic HDPE string closure or the practical zip opening system for quick access.

Water Permeable Mesh

Supports seawater circulation, enabling natural nutrients and oxygen to reach the oysters.

Versatile Applications

Configurable for different net types and sizes according to operational requirements.





Juvenile Growth

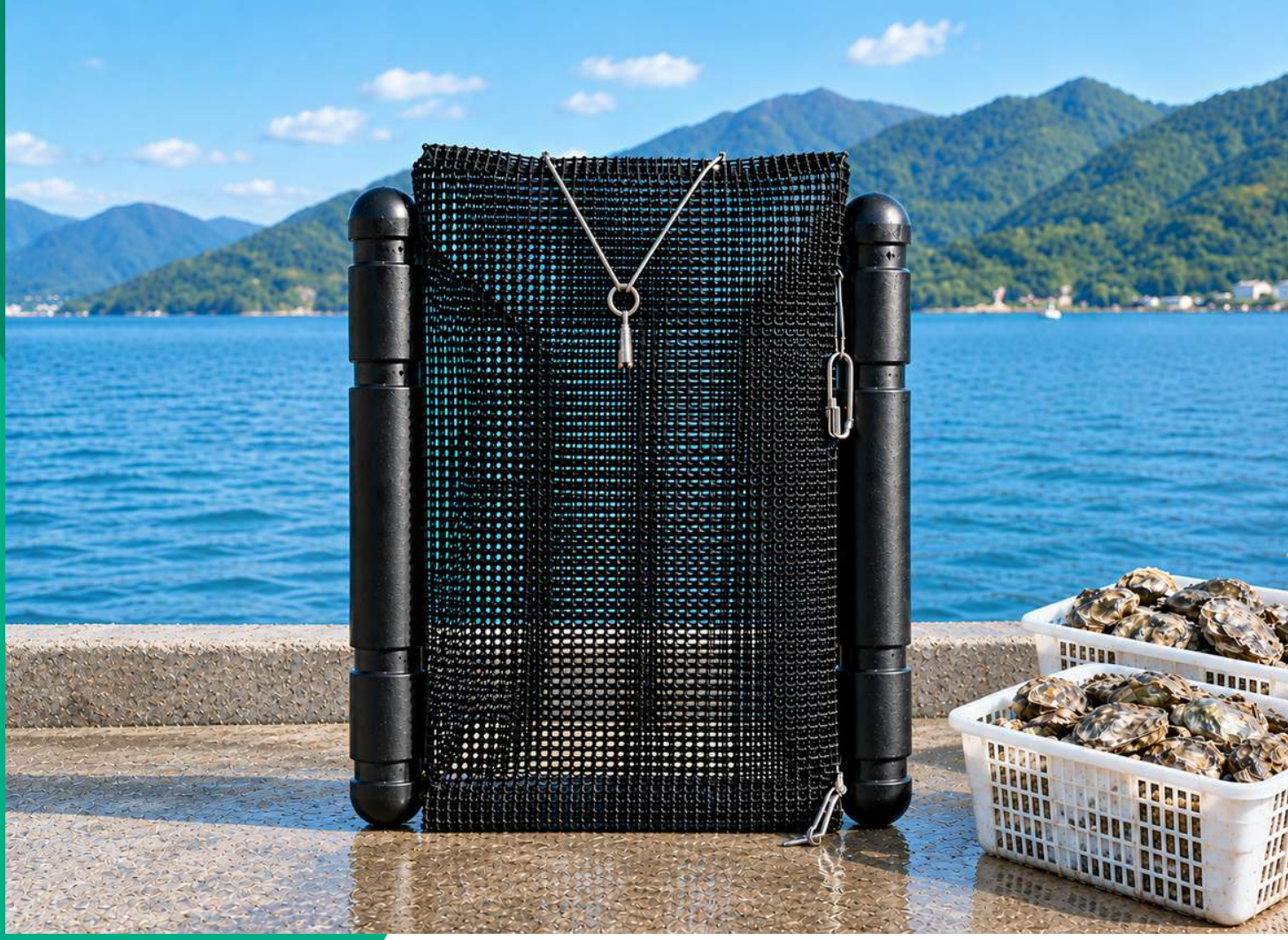
Grow Out

Designed Around Your Shellfish Production Cycle

The Pearl Net is used during the juvenile growth to early grow out stage of oyster farming, providing a secure, suspended environment for oysters cultivation.

Specifications

Product Type	**Pearl Net Shellfish**
Model	**PNS 1000**
Frame Dimension	**35cm * 35cm**
Internal Height	**23cm**
Mesh	**4.5 mmsq**
Closure	**Overlap**



Growing Bag

Designed with a durable mesh structure and reinforced side supports, the Growing Bag provides a secure enclosure for shellfish while allowing continuous seawater circulation.

Key Features

Reinforced Structural Support

Side supports maintains shape of bag and provides structural stability.

Water Permeable Mesh

Supports seawater circulation, enabling natural nutrients and oxygen to reach the oysters.

Sustainable Net Reuse

Bag can be reused across multiple farming cycles with proper maintenance.

Versatile Applications

Configurable for different net types and sizes according to operational requirements.



Juvenile Growth

Grow Out

Designed Around Your Shellfish Production Cycle

The Growing Bag is used during the juvenile growth and grow out stages of oyster farming, after oyster spat has been produced and settled. It provides a protective enclosure for juvenile oysters and supports their growth until they reach harvestable size

Specifications

Product Type	Growing Bag
Model	GBS 1000
Net Dimension	45cm * 90cm
Float Tube Dimension	8cm * 80cm



Tumbler

The Tumbler is a cylindrical, perforated container designed for oyster aquaculture. Its enclosed mesh body allows seawater to circulate through the cage while keeping oysters contained during farming operations.

Key Features

Cylindrical Design

Cylindrical shape enables oysters roll and redistribution in the cage.

Sustainable Net Reuse

Cage can be reused across differnt farming cycles with proper maintenance.

Perforated Mesh

Supports seawater circulation, supplies oxygen and natural food particles to the oysters.

Versatile Applications

Configurable for different mesh size, farming setup and systems.



Juvenile Growth

Grow Out

Designed Around Your Shellfish Production Cycle

Designed for a range of oyster farming operations, the Tumbler is suitable for containing and managing oysters during juvenile growth to grow out stages.

Specifications

Product Type	Tumbler
Model	TCS 1000
Dimension	30cm * 90cm
Mesh Size	3mm / 8mm



Float Bag

Designed for oyster aquaculture, the Float Bag combines a water permeable mesh body with integrated floats to support oyster cultivation in suitable coastal farming environments.

Key Features

Integrated Flotation

Built in floats keep the bag buoyant, supporting convenient access to operations.

Sustainable Net Reuse

Bag can be reused across multiple farming cycles with proper maintenance.

Water Permeable Mesh

The mesh allows seawater to circulate through the bag, supplying natural food to the oysters.

Versatile Applications

Configurable for different mesh sizes according to operational requirements.



Grow Out



Designed Around Your Shellfish Production Cycle

The Float Bag is designed for the grow out stage of oyster farming. Its floating design and water permeable mesh support natural water exchange while keeping oysters contained as they develop.

Specifications

Product Type	**Float Bag Shellfish**
Model	**FBS 1000**
Bag Size	**45cm * 90m**
Float Size	**700mm * 100mm * 50mm**
Mesh Size	**12 mm**

Machines





Cage Washing Machine

The Cage Washing Machine is an automated aquaculture solution designed to remove marine growth, algae, mud and other accumulated debris from oyster farming cages.

Key Features

Automated System

Moves cages through the machine, reducing manual handling and labour requirements.

Efficient Roller Cleaning

Mechanically dislodges marine growth and accumulated debris from cage surfaces.

Continuous Water Spray

Integrated water sprays rinse the shells during brushing, provding uniform cleaning.

Integrated Washing

Combines cage transfer, mechanical cleaning and washing in one system.



Farm Management

Designed Around Your Shellfish Production Cycle



The Cage Washing Machine is used during the farm management stage to clean oyster cages and remove marine fouling and debris. It helps farmers maintain farming equipment and reduce manual cleaning labour.

Specifications

Product Type	Cage Washing Machine
Model	WMC 1000
Dimension	5.60m * 1.65m * 1.70m
Material	304 Stainless Steel
Traction Motor	0.75kW
Roller Motor	2.2kW



Roller Washing Machine

The Roller Washing Machine is designed to efficiently remove debris and contaminants from oysters with a combination of rotating roller brushes and continuous water spraying, providing thorough surface cleaning.

Key Features

Efficient Roller Cleaning

Multiple rotating brushes provide continuous contact to remove surface debris.

High Processing Capacity

Designed for continuous feeding and suitable for industrial processing lines.

Continuous Water Spray

Integrated water sprays rinse the shells during brushing, provding uniform cleaning.

Versatile Applications

Suitable for vegetables such as potatoes, carrots and other selected food produce.

Designed Around Your Shellfish Production Cycle



Handling & Grading

The Roller Washing Machine provides efficient mechanical cleaning in initial cleaning stage of the shells before sorting, grading and further processing.

Specifications

Product Type	**Roller Washing Machine**
Model	**WMR 1000**
Dimension	**6.00m * 1.23m * 1.69m**
Material	**304 Stainless Steel**
Motor	**1.5kW * 2**
Spray Nozzle Model	**6520 / 6530 Interleaved Staggered Spray Layout**



Drum Washing Machine

The Drum Washing Machine is designed for continuous, efficient cleaning of shellfish. It removes surface debris with controlled drum rotation and spray system, reducing mechanical abrasion and improving processing quality.

Key Features

Efficient Drum Cleaning

Controlled drum rotation reduces excessive mechanical abrasion to the shells.

High Processing Capacity

Designed for continuous feeding and suitable for commercial scale processing.

Continuous Water Spray

Combination of rotation and continuous water spray remove surface debris effectively.

Versatile Applications

Suitable for vegetables such as potatoes, onions and other selected food produce.

Handling & Grading



Designed Around Your Shellfish Production Cycle

The Drum Washing Machine provides efficient cleaning and removes surface contaminants on the shellfish before sorting, grading and further processing.



Specifications

Product Type	Drum Washing Machine
Model	WMD 1000
Dimension	4.00m * 0.80m * 1.40m
Material	304 Stainless Steel
Motor	3kW , 4kW
Water Pump	4kW



Bubble Washing Machine

The Bubble Washing Machine provides an efficient and gentle cleaning solution by combining air bubbles, water circulation and spray system to remove surface contaminants.

Key Features

Bubble Cleaning

Air bubbles create turbulence within the washing tank, loosening surface contaminants.

Multi Stage Washing

Combination of bubbling and conveying washing system enhance cleaning.

High Processing Capacity

Designed for continuous feeding and suitable for industrial processing lines.

Versatile Applications

Suitable for vegetables such as potatoes, carrots and other selected food produce.



Handling & Grading

Designed Around Your Shellfish Production Cycle

Designed for the post harvesting stage before grading and processing, the Bubble Washing Machine effectively cleans the scallops while maintaining their natural appearance and quality.

Specifications

Product Type	Bubble Washing Machine
Model	WMB 1000
Dimension	6.00m * 1.20m * 1.20m
Material	304 Stainless Steel
Air Pump	3.8 kW
Water Pump	1.5 kW

Belt Hopper

The Belt Hopper is engineered to deliver controlled and consistent conveying from the receiving hopper to the next stage of processing, providing a reliable solution for feeding and transfer.



Key Features

Large Capacity

Spacious receiving area for bulk quantities and creates buffer between processes.

Adjustable Discharge Height

Can be configured to feed different height and types of processing equipment.

Controlled Product Flow

Belt speed can be controlled to provide consistent feed to subsequent equipment.

Versatile Applications

Suitable for transferring food such as onions, potatoes and other selected food produce.

Designed Around Your Shellfish Production Cycle

Handling & Grading

The Belt Hopper is used after harvesting to transfer scallops into washing, sorting, grading and processing equipment.



Specifications

Product Type	**Belt Hopper**
Model	**BHS 1000**
Dimension	**1.50m * 0.60m * 1.20m**
Material	**304 Stainless Steel**
Hopper Bowl	**2mm Thickness**
Motor	**750W Reducer**
Weight	**100 Kg**

Sorting Drum

The Sorting Drum automates the mechanical separation of shellfish using a rotating perforated drum. Designed for continuous operation, the system provides a controlled size grading process.



Handling & Grading



Designed Around Your Shellfish Production Cycle

Following harvest and washing, the Sorting Drum standardizes the final product, streamlining packing and processing while improving handling efficiency and reducing the requirment for manual sorting.

Key Features

High Processing Capacity

Continuous rotary operation allows large volumes of scallops to be handled efficiently.

Adjustable Screen Sizes

Machine can be configured for different shellfish sizes with interchangeable screens or drum sections.

Multi Grade Sorting

Multiple screening sections can provide several size grades in a single continuous operation.

Versatile Applications

Suitable for separating food such as onions, potatoes and products by size.

Specifications

Product Type	**Sorting Drum**
Model	**SMD 1000**
Dimension	**4.00m * 0.80m * 1.40m**
Material	**304 Stainless Steel**
Drum	**Ø600mm * 3000mm * 2.5mm Thickness**
Motor	**3.0 kW Motor Reducer**
Weight	**200 Kg**



Sorting Flatbed

The Sorting Flatbed is designed to continuously separate harvested scallops according to shell size using controlled linear vibration and precision screening while maintaining shell integrity.

Handling & Grading



Designed Around Your Shellfish Production Cycle

The Sorting Flatbed is used after shellfish are harvested and cleaned to efficiently separate them into different size grades to ensure consistent product sizing and streamlined post harvest handling.

Key Features

Linear Vibrating System

Moves scallops smoothly across the flat screening surface with controlled product movement.

Adjustable Product Flow

Adjustable vibration and inclination allows the product movement to be optimized for different shellfish sizes.

Multi Grade Sorting

With multiple grading sections, shellfish can be separated into different size ranges in a single operation.

Versatile Applications

Suitable for separating food such as onions, potatoes and products by size.

Specifications

Product Type	**Sorting Flatbed**
Model	**SMF 1000**
Dimension	**2.50m * 1.00m * 1.30 m**
Material	**304 Stainless Steel**
Motor	**1.1 kW , 2.2 kW Motor Reducer**
Weight	**300 Kg**



Net Washing Machine

The Net Washing Machine is designed to efficiently clean aquaculture nets used during the farming cycle, removing marine growth and other biofouling with combination of mechanical cleaning and high volume water flow.

Key Features

Efficient Mechanical Cleaning

Rotating rollers apply controlled mechanical action to loosen debris from the net.

Sustainable Net Reuse

Cleaned nets can be inspected, maintained and prepared for the next deployment.

Continuous Water Flushing

High volume water washing flush loosened fouling and debris away from the net.

Versatile Applications

Configurable for different net types and sizes according to operational requirements.

Designed Around Your Shellfish Production Cycle

Handling & Grading

The Net Washing Machine is used after harvest to clean farming nets before storage or redeployment, supporting efficient reuse across production cycles.





Specifications

Product Type	**Net Washing Machine**
Model	**WMN 1000**
Dimension	**7.00m * 1.45m * 1.50m**
Material	**304 Stainless Steel**
Motor	**15kW, 2.2kW, 1.5kW**
Weight	**1.4 Tons**

SIANG MAY
Netting the world

+65 6741 6333
13 Ubi Crescent #04-00
Singapore 408574