

Individual Shrimp Feeder



Wireless
Control



Activity-Based
Feeding



Solar
Powered

Individual Shrimp Feeder

Marine Acoustic Smart System (MASS)

■ The Marine Acoustic Smart System (MASS) is an intelligentsystem exclusively (*) for shrimp feeding management. It is autonomous, wireless, and configurable from the Base Station via radio communication.

The automatic feeder MF2 is responsible for food distribution. It features a solar panel, a communication module, a 260 kg food capacity, and a feeding radius of up to sixteen meters. Additionally, it is made of durable materials suitable for marine environments and UV radiation.

(*) The Marine Acoustic Smart System (MASS) is not intended for telecommunications services, private network operations, or broadcasting service support.



DIMENSIONS:
Length 2910 mm
Width 2520 mm
Height 2400 mm

PARAMETER	
Operating Temperature	0 – 60°
Battery	LiFePO4 25.6V, 19.8 Ah
Solar Panel	36.5 Vmp - 160 W
Hopper Capacity	260 kg (370 l)
Feeding Speed	90 g/s
Dispersion Radius	16 m

MATERIALS	
Solar Panel	Glass and aluminum
Dosing System	Polyethylene, galvanized steel, and stainless steel
Hopper	High-density polyethylene
Flotation System	High-density polyethylene

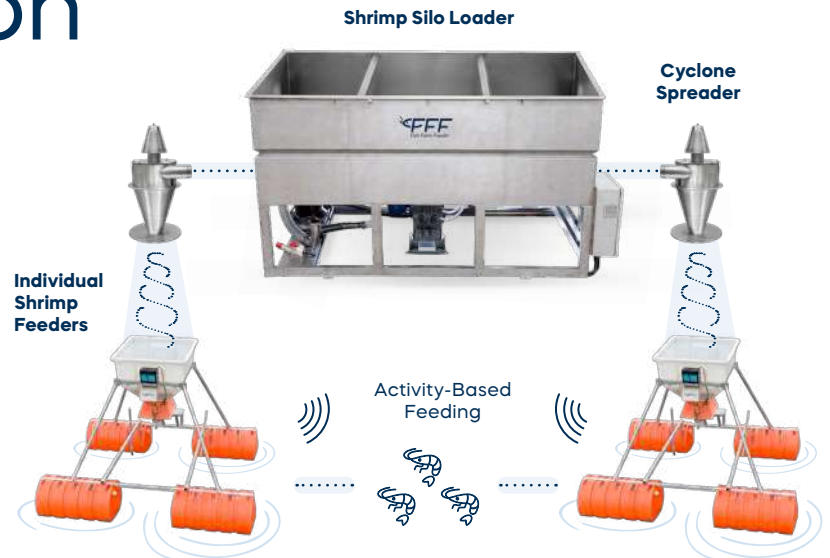
ENVIRONMENTAL CONSIDERATIONS	
Generated Waste	WEEE
Management	In compliance with local regulations, this equipment must not be disposed of with household waste. At the end of its lifespan, take it to collection points designated by local authorities.

Feeding Configuration

Fixed Configuration

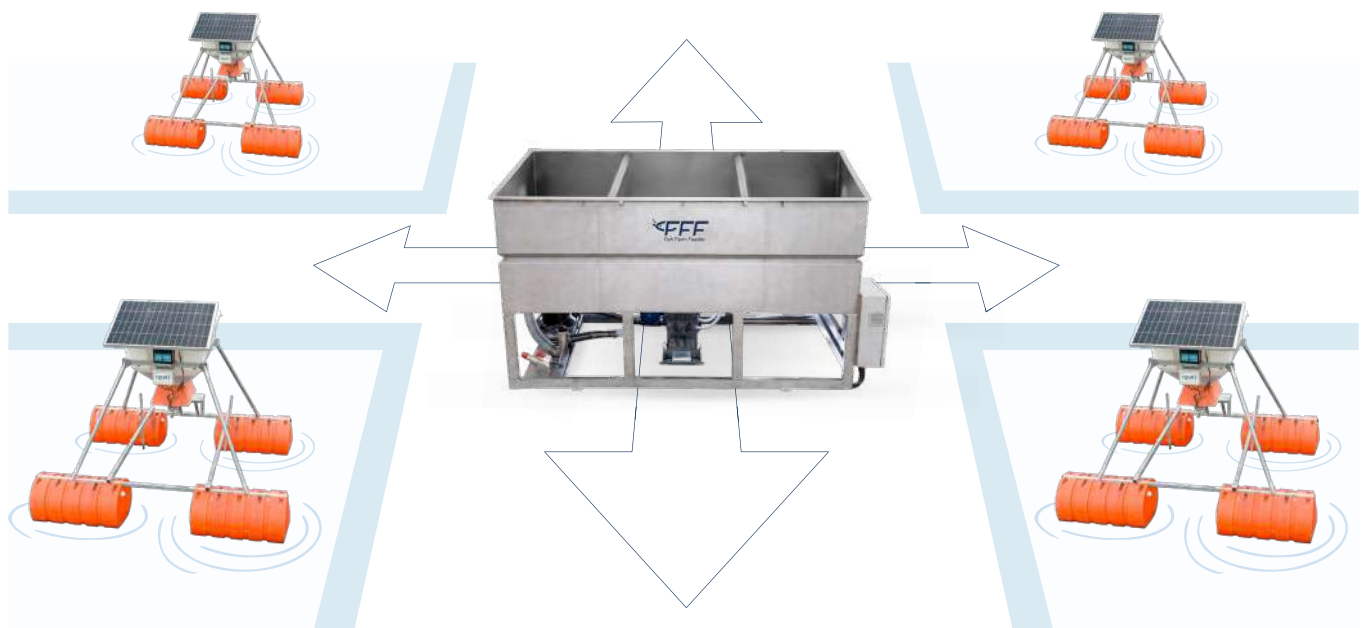
- The automatic feeder MF2 is equipped with a communication board exclusively compatible with the MASS.

This board enables radio communication with the MASS Base Station. Through these communications, feeding commands are received to conduct an intelligent distribution of food, based on activity detected in the pool by the Central Unit and the hydrophone. The food is stored in the MF2 hopper, and when a feeding command is received, the MF2 motors distribute the food. These motors are powered by a battery recharged through the solar panel. The MF2 features a built-in flotation system for pool installation.



- 1 The Shrimp Silo Loader spreads feed in two directions.
- 2 The FFF Cyclone Spreader distributes feed to the Shrimp feeders.
- 3 The Individual Shrimp Feeders detects shrimp activity and automatically dispenses feed.

Mobile configuration



↔ **Mobile Solution.** The Shrimp Silo Loader can be easily moved from one pond to another.

 **Single-Operator Handling.** Designed to be operated by a single worker, reducing labor requirements.

↻ **Fast Feed Refilling.** Allows quick and easy refilling of the feed hoppers on each Individual Shrimp Feeder

PORTFOLIO

Centralized Feeding Systems

1

HATCHERY

Tailored feeding for optimal early-stage development.



2

PREGROW

Maximize efficiency in the intermediate growth stage.



3

ONGROWING

Ensure efficient grow-out with automated feeding.



Specialized Equipment

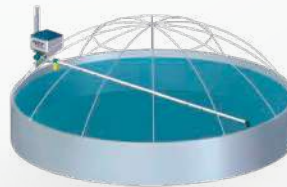
LABS



CAGE FEEDERS



SCREW FEEDERS



LOADERS

