2023

SMARTFARMING

智慧农场

Temu®

AQUACULTURE

水产养殖

smart feeding solutions for aquaculture

GERMAN ACCELERATOR

oncon The online control system

AUTOFEED

www.temu.cc www.temu.eu

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About us
关于我们

TEMU是一家领先的国际高科技企业，专注于智能农业解决方案，为畜牧业和水产养殖行业提供服务。拥有超过20年的全球经验，我们与世界各地的合作伙伴保持稳定增长和强大的合作关系。

我们在德国、中国和巴西的全球团队与世界各地的合作伙伴密切合作，为不同项目提供创新解决方案。我们擅长链盘输送机和气动/液体供料设备，满足农业和工业的需求。
我们的专业领域还包括用于智能农业的自动化、物联网、云计算和人工智能。

TEMU is a leading international high-tech enterprise specializing in smart farming solutions for the livestock and aquaculture industry. With over 20 years of global experience, we maintain stable growth and strong partnerships worldwide.

Our global team in Germany, China, and Brazil collaborates closely with partners worldwide to deliver innovative solutions for diverse projects. We excel in chain disk conveyors and pneumatic/liquid feeding equipment, serving farming and industrial needs.
Our expertise extends to automation, IoT, cloud, and artificial intelligence for smart farming.

欧洲　　中国　　巴西

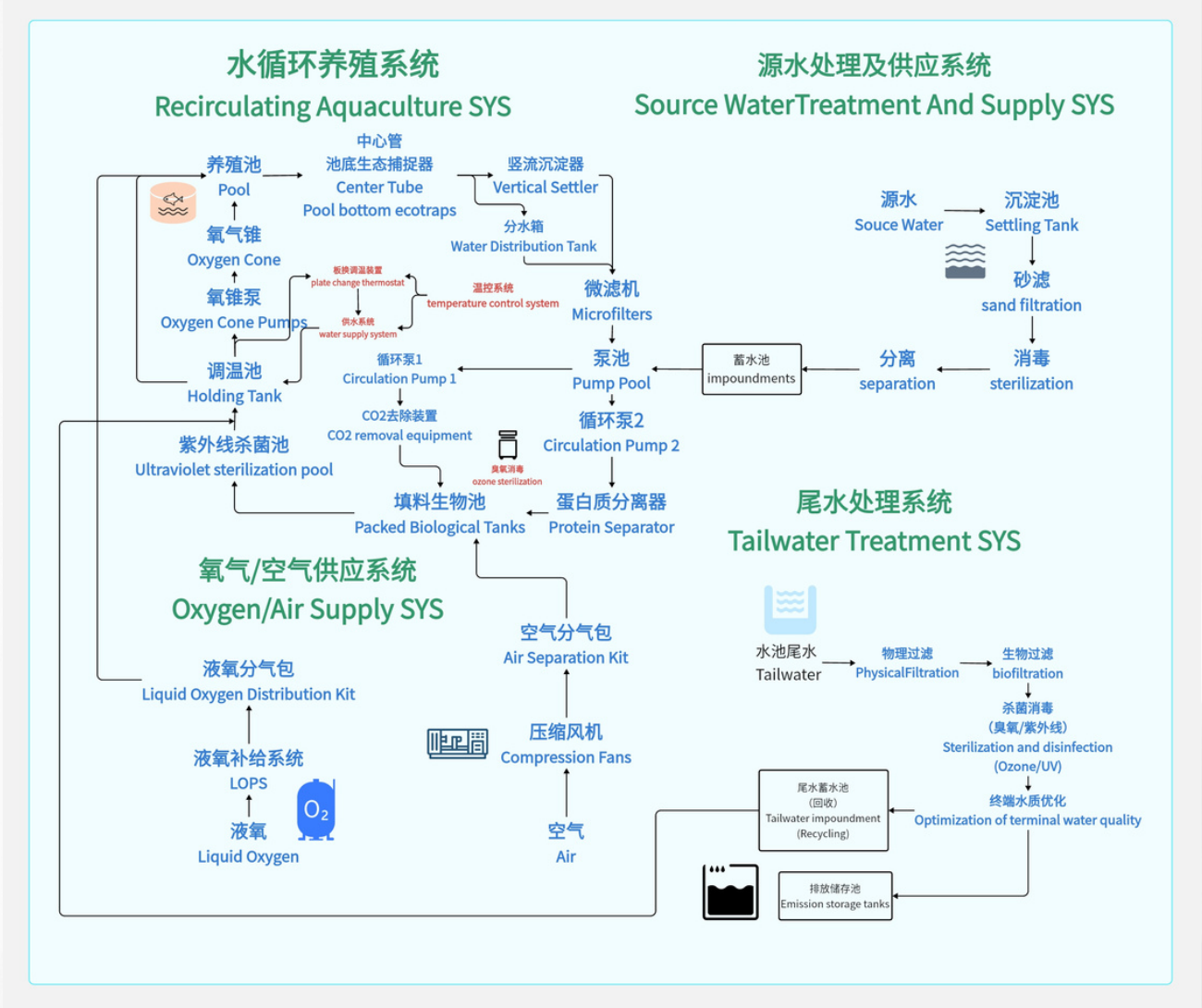
China Factory

German R&D Center

循环水养殖工艺流程
RAS- Recirculating Aquaculture System

采用循环水系统与智能养殖和喂养设备相结合的水产养殖是一种高效可持续的方法。它节约水资源，优化饲料投放，减少环境影响，同时提高鱼类的健康和生产力。

Aquaculture with recirculating water systems, integrated with smart farming and feeding equipment, is an efficient and sustainable approach. It conserves water, optimizes feeding, and reduces environmental impact while improving fish health and productivity.



智能化水产养殖饲喂解决方案
Smart Feeding Solutions

SMARTFARMING
智慧农场

基于物联网云平台控制的智能化饲喂系统；
Smart feeding system based on Internet controlling;

多样化的饲喂解决方案，多餐次的精准投喂；
Versatile feeding solutions with precise feeding of multiple meals;

标准化、模块化的硬件设备；
Standardized hardware equipment;

安全无残留的饲喂方式；
Safe and residue-free feeding;

全自动的控制系统，无需人员频繁操作；
Fully automatic control system;

饲喂数据的记录分析功能，可远程查看历史数据;
Recording and analyzing function of feeding data with remote viewing of historical data;

可实现多个养殖池的饲喂不同的饲料；
It is possible to feed different feeds for multiple breeding ponds;

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The online control system

农场的数字平台

SMARTFARMING 智慧农场

OnCon是我们的数字平台，将所有生产流程连接到云端，实现大数据和人工智能分析，提高您的农场效率。所有农场设备都连接到智能物联网自动控制器，并实时将数据发送到OnCon云。 “喂养动物并从它们那里获得反馈”这些信息可以与所有参与动物养殖生产的利益相关者共享，从农场员工到兽医和供应商。

OnCon is our digital platform that connects all your production processes to the cloud, enabling big data and human intelligence analyses to improve your farm's efficiency.
All farm equipment is connected to smart IoT automated controllers and sends data to the OnCon cloud in real time. "This information can be shared with all stakeholders involved in animal egg white production, from farm staff to veterinarians and suppliers.

AIR DIVIDER

设备控制器

服务器设置

云服务器

本地服务器

软件系统

CLOUD

流量控制

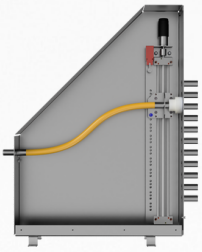
DATAFEEDER

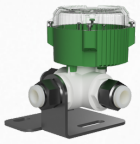
实时设备监控
REAL-TIME DEVICE MONITORING

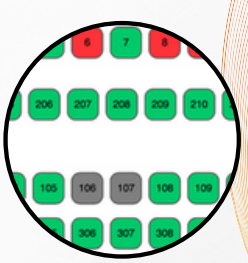
报警预警功能
WARNING FUNCTION

数据统计分析
DATA MANAGEMENT ANALYSIS

ARTIFICIAL INTELIGENCY


AIR DIVIDER


MICROVALVE


可视化屏界面

数据分析系统

手机 APP

WWW.ONCON.IO

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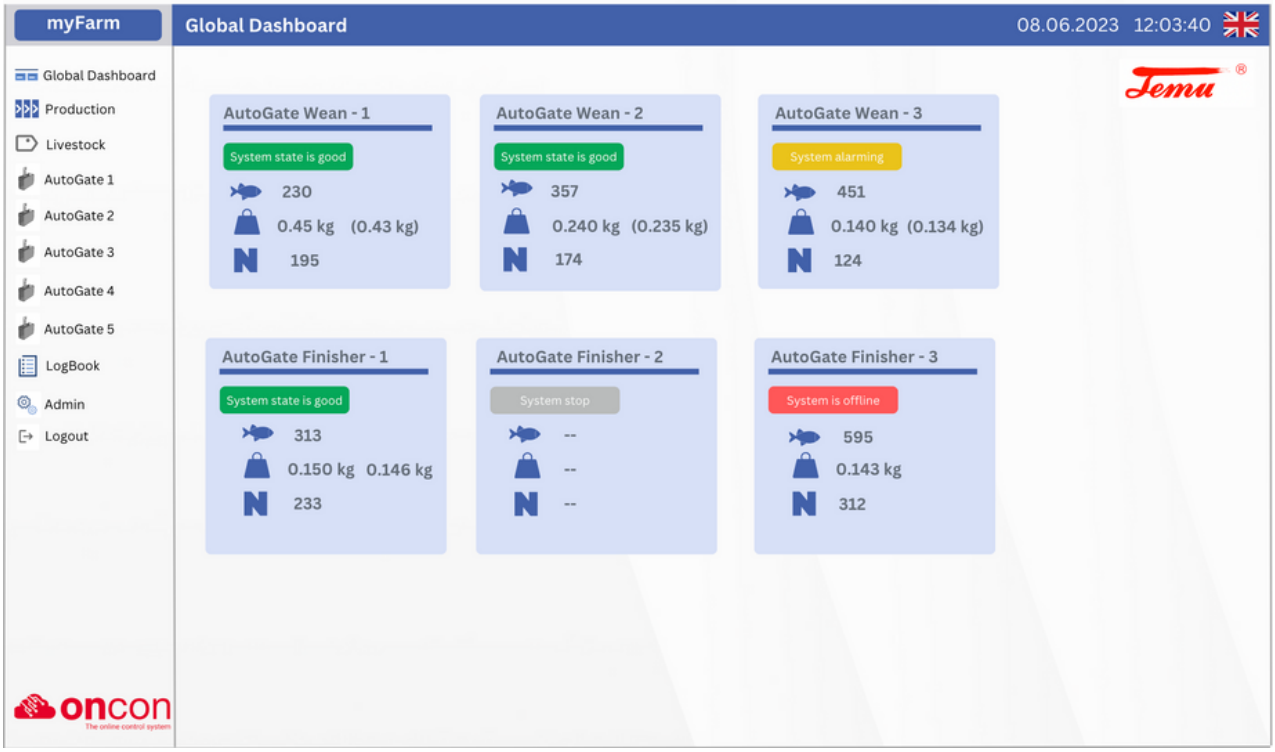
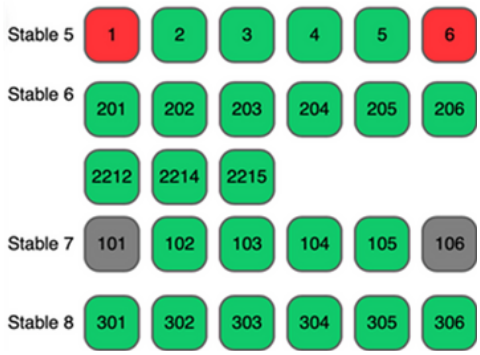
https://myfarm.oncon.io





智慧养殖系统能够实现设备的集中管理与状态实时显示功能，并能够监控和记录设备的运行状态，实现对设备的批量管理，实现操作人员与养殖区域无接触的设备操作，提供更安全的养殖环境，减少疫病的传播风险，提高管理效率，实现更标准更精确的养殖；

系统采用嵌入式开发，可实现云平台或私有云的部署，采用串行通讯功能，传输距离远、抗干扰能力强、稳定性好；

我们能够提供安全、智能、高效的养殖管理系统。

Intelligent farming system can realize the centralized management of equipment and real-time data display function for users, and can monitor and record the operating status of equipment, realize the equipment operation without contact between the operator and the farming area, provide a safer farming environment, reduce the risk of spreading epidemics and diseases, improve the management efficiency, and realize more standard and more accurate farming;

The system adopts embedded development, can be realized as the deployment of the cloud platform or private cloud, it adopts the can serial communication function with a long transmission distance, strong anti-jamming ability, and good stability.

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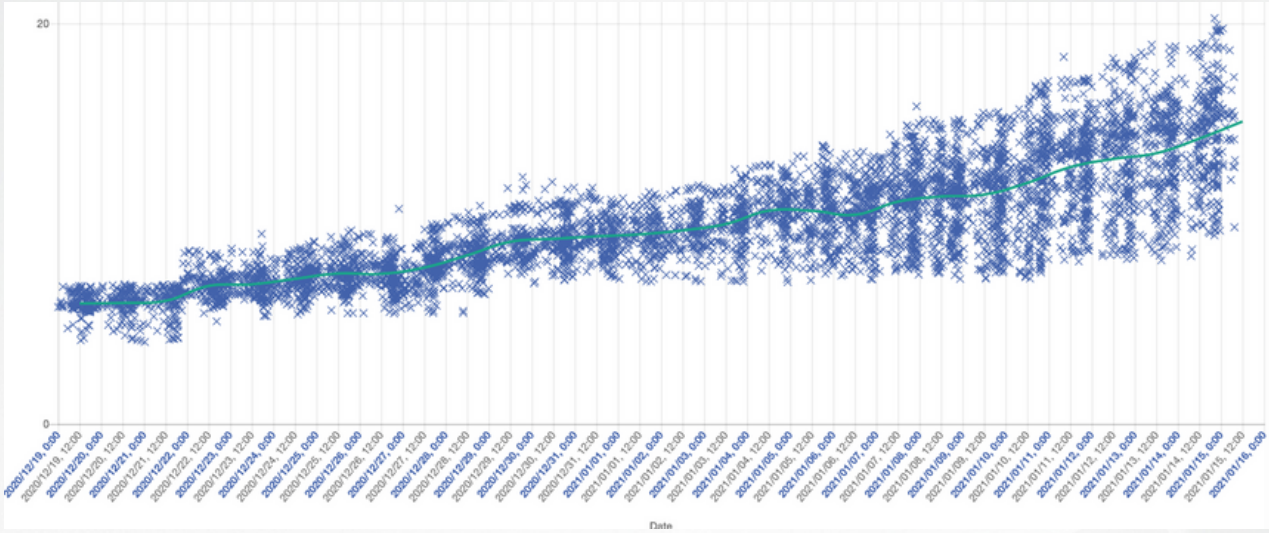
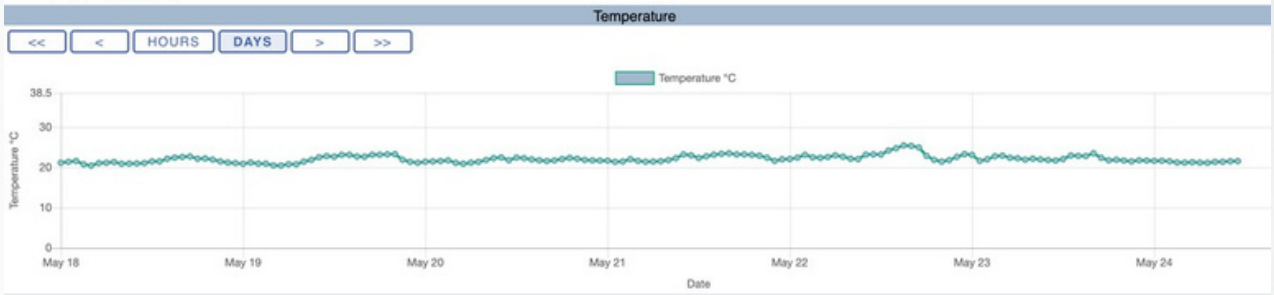
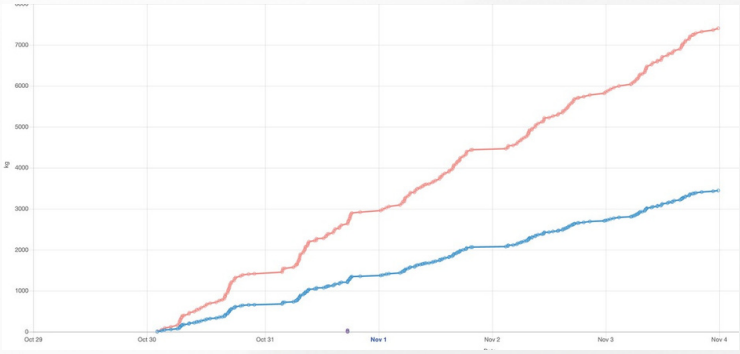
FEEDING DATA

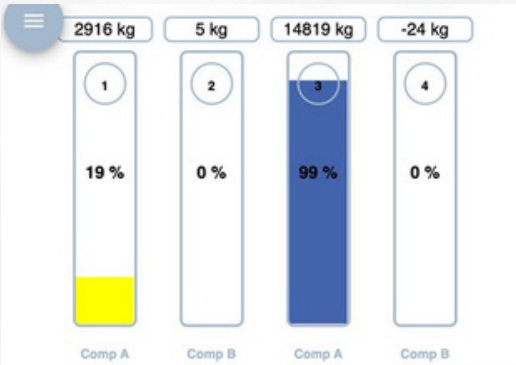


TEMPERATURE



SILOWATCH





AUTOFEED

我们的链式圆盘输送机系列产品旨在满足不同行业和应用的不同需求；

低、中、高输送量选项，满足您为特定的任务选择正确的系统；

长距离的输送能力，确保了系统可以在大范围内有效运行；

注重低维护确保系统需要最少的维护，从而减少停机时间，提高生产率；

系统寿命长意味着它们可以长时间使用而不需要更换，从而降低长期成本；

系统内置的智能设计解决方案实现了自动化操作，不仅提高了效率，还减少了对劳动力的需求；

Our range of chain disc conveyors is designed to meet the varying needs of different industries and applications;

Low, medium and high capacity options are available to help you select the right system for your specific task;

The power of long-distance conveying ensures that the system can operate efficiently over a wide range of distances;

A focus on low maintenance ensures that the system requires minimal maintenance, thereby reducing downtime and increasing productivity.

CHAINLINE 45

700kg/H

600M

最大个24 转角

减速电机 0.75kw

塞盘 33 mm

CHAINLINE 60

1T/H

600M

最大个24 转角

减速电机 1.5kw

塞盘 43&48 mm

CHAINLINE 100

5T/H

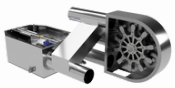
400M

最大个12 转角

减速电机 4kw

塞盘 77 mm

CHAINLINE 160



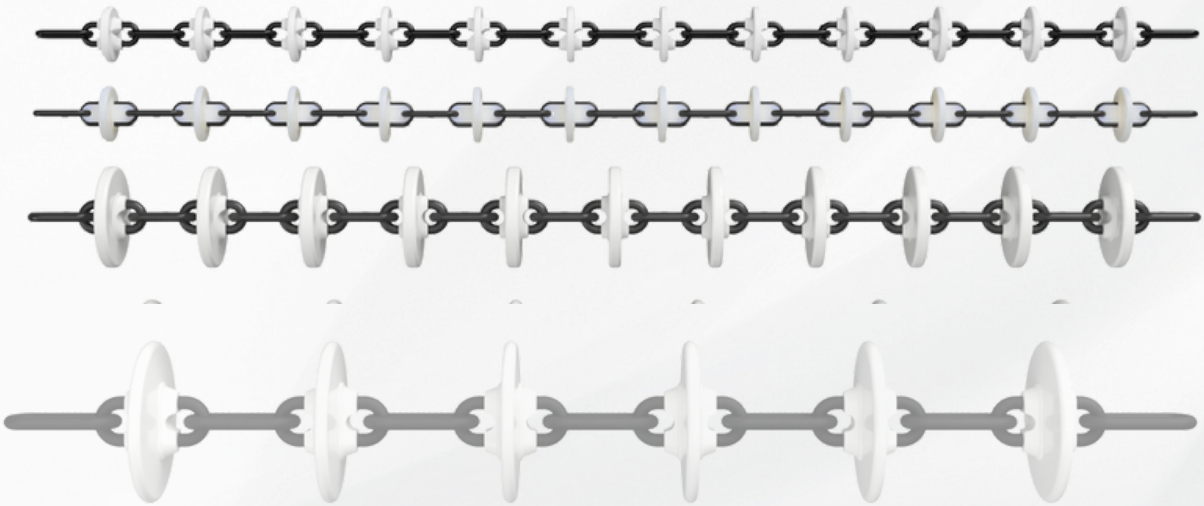
15T/H

300M

最大个6 转角

减速电机 9.2kw

塞盘 130 mm



AUTOFEED FILL

自动盘链给料，适用于所有颗粒或颗粒饲料输送应用。；

我们的应用范围从45、60、102和160毫米管径；

我们设计了自动送料系统，为我们的客户提供管状链输送系统，每天自动工作多次，这意味着我们专注于寿命和耐久性；

每个组件都经过精心设计和调整，最终拥有一个高效的系统；

塞盘填充饲喂系统代表了基本版本，其中加药器，给料器或筒仓可以根据需求及时补充；

Automatic disc chain feed for all pellet or granule feed conveying applications. Our applications range from 60, 102 and 160 mm pipe diameters;

Our applications range from45，60, 102 and 160 mm pipe diameters;

We designed our automatic feeding system to provide our customers with a tubular chain conveying system that works automatically many times a day, which means we focus on longevity and durability;

Each component is carefully designed and adjusted to have a highly efficient system;

The plug tray filler feeding system represents the basic version, where the doser, feeder or silo can be replenished in time as required;

AUTOFEED PORTION MIX

这是一个先进的，全自动的加药和混合饲喂系统，能够给不同的饲料，进行混合饲喂；

该系统的设计是为了将物料从目标筒仓无缝地输送到特定的阀门采食点；

系统始终在线，可以远程访问，确保系统始终运行；

此外，它还配备了基于云的自动备份，不仅可以保证数据安全，还可以通过最小化停机时间来降低运营成本。

It is a state-of-the-art, fully automated dosing and mixing system, capable of mixing different feeds;

the system is designed to transport material seamlessly from the target silo to the specific valve collection point;

the system is always online and can be accessed remotely to ensure that the system is always running;

and it is equipped with cloud-based automatic back-up, which not only ensures data security, but also reduces operating costs by minimising downtime.

AUTOFEED PORTION MIX

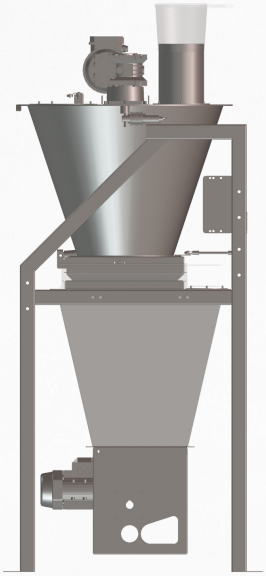
- 根据鱼虾的生长阶段对饲料进行精准称重；
  Accurate weighing of feed according to the growth stage of the fish and shrimp;

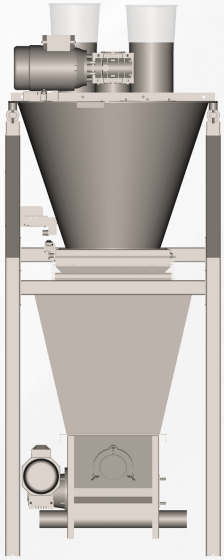
- 同时可完成多种饲料、添加剂、药物的任意比例混合，满足水产养殖各阶段对营养配方的需求；
  Can complete a variety of feed, additives, drugs mixed in any proportion at same time to meet the needs of aquaculture at all stages of the nutritional formula;

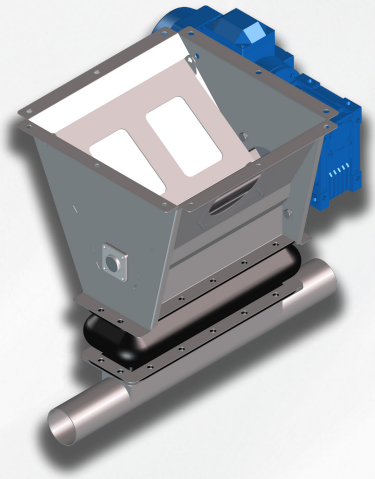
- 完成饲料等的混合称重后，将混合料无损的运输到各饲喂单元；
  After completing the mixing and weighing of feed, etc., the mix is transported to each feeding unit without damage;

- 称重精度高达10 g；
  Weighing accuracy up to 10 g;

- 通过控制器控制称重、混合与分料的的运行，精准、便捷。
  The controller controls the operation of weighing, mixing and dispensing with precision and convenience.







AUTODOS

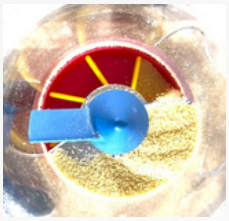
- AutoDos投饵机是针对水产养殖系统的终端投饵设备：
  AutoDos is terminal feed device for aquaculture systems:

- 整体采用共聚PP材质，可靠耐用；
  The whole is made of Copolymer PP material, reliable and durable;

- 通过电机驱动下料与投饵抛洒装置，下料量精确、稳定，抛洒均匀；
  Through motor-driven discharging and bait throwing device, the amount of discharging is precise and stable, and the throwing is even;

- 提供多种转子选装（可订制），可满足不同下料速度和抛散范围的需求；
  A variety of rotor options (can be customized) are available to meet the needs of different discharging speeds and scattering ranges;

- 底部播散装置可实现多角度的均匀播撒，可实现更远距离播散范围。
  Bottom spreading device for even spreading at multiple angles and longer spreading ranges.

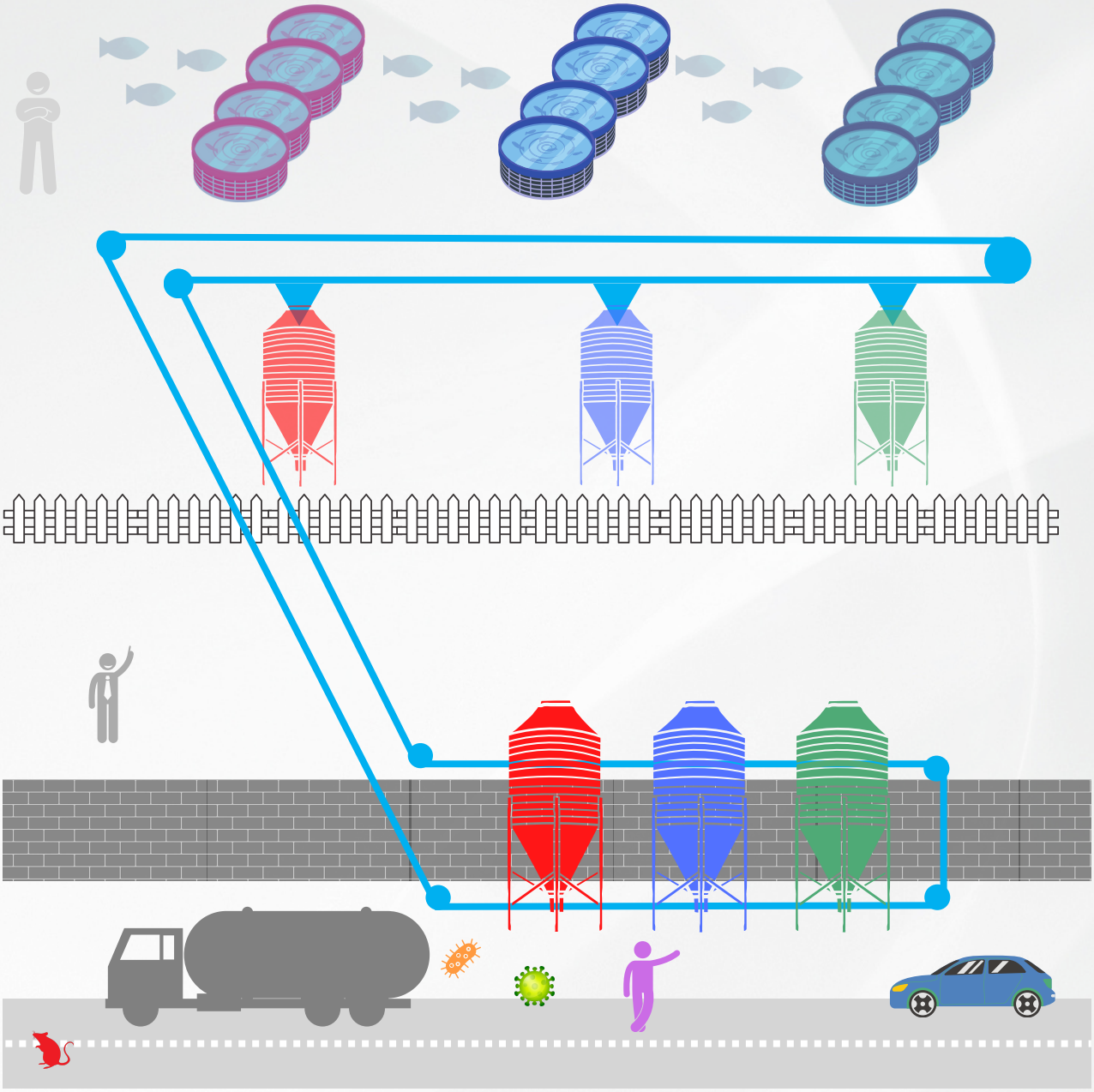


转子 ROTOR	每格剂量 CELL SIZE	每格数圈 NUMBER OF CELLS	G/S	G/MIN
A	3.5	1	0.82	10.5
B	0.85	24	4.8	61
C	3.5	6	4.9	63
D	5.10	8	9.5	122
E	19	8	35	456

闸门筒仓系统
GATE SILO SYSTEM AND BIOSECURITY

- 在饲喂系统中可以提供多个料仓，储存不同的饲料以满足饲喂需求；
  Multiple silos can be provided to meet feeding needs;
- 基于嵌入式系统，可订制Scada物联网的智能饲喂解决方案；
  Embedded system based, customizable smart feeding solution for Scada IoT;
- 更高的农场生物安全防护等级，通过场区料仓集中供料系统得以实现；
  Higher levels of on-farm biosecurity are achieved through a centralized feed system to on-farm silos;
- 我们对革命性地改进养殖业充满激情，使其更安全、更高效、更智能并且可持续并富有成效。
  At TEMU, we're passionate about revolutionizing the livestock industry, making it more efficient, sustainable, and productive.

闸门筒仓系统
GATE SILO SYSTEM



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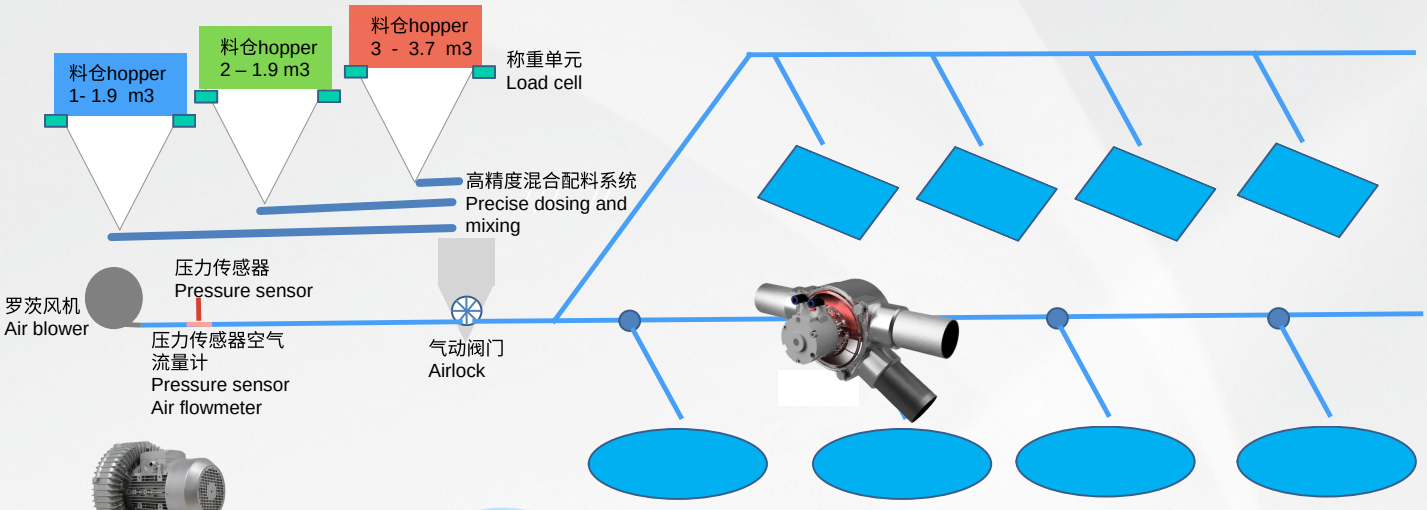
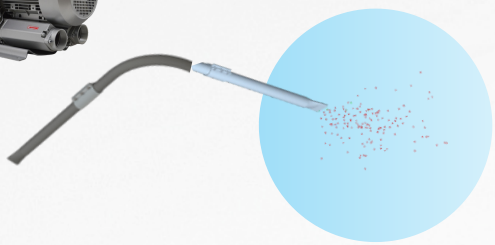
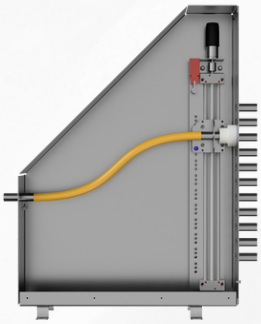
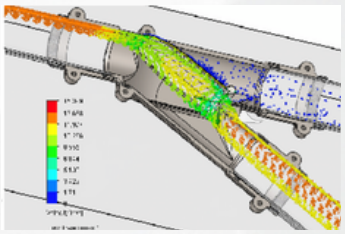
气动饲喂系统
AIR SYSTEM









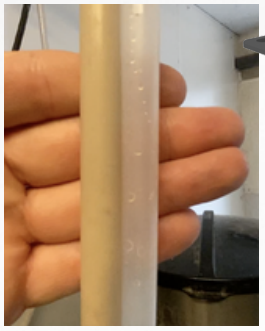
气动饲喂系统优势 Advantages:

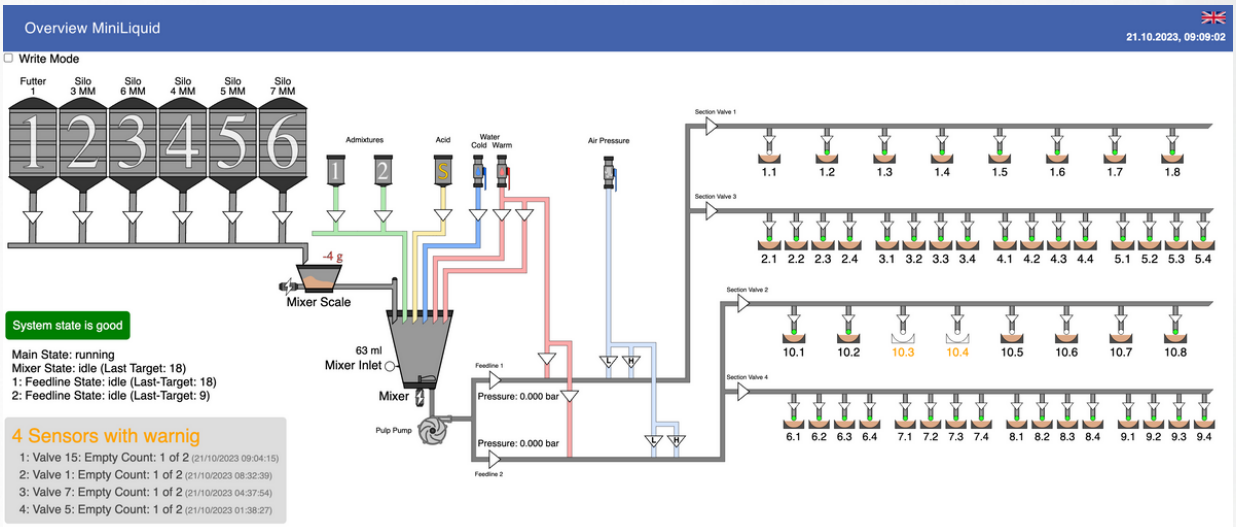
- 始终提供新鲜的饲料；
  Always providing fresh feed;
- 可以方便的实现不同饲料的任意配比；
  Any proportion of different feeds can be easily realized;
- 可以方便的实现每个养殖池的精准投喂；
  Precise feeding of each breeding tank can be easily realized;
- 配置7.5 W高压漩涡气泵，动力强劲、输送距离远；
  Equipped with 7.5 W high-pressure vortex air pump, strong power and long conveying distance;
- 配置气动分配换向阀，结构简单，稳定可靠；
  Equipped with pneumatic distribution reversing valve, simple structure, stable and reliable;
- 管路设计合理，超高密封性，杜绝漏气；
  The piping is well-designed with ultra-high sealing to eliminate air leakage;
- 根据不同饲喂需求，制定合适的饲喂计划，满足个性化饲喂需求；
  Customize different feeding plans to meet individual feeding needs;
- 排料彻底，管路清洁卫生，无饲料残留。
  Thorough discharge, clean and hygienic pipeline, no feed residue.

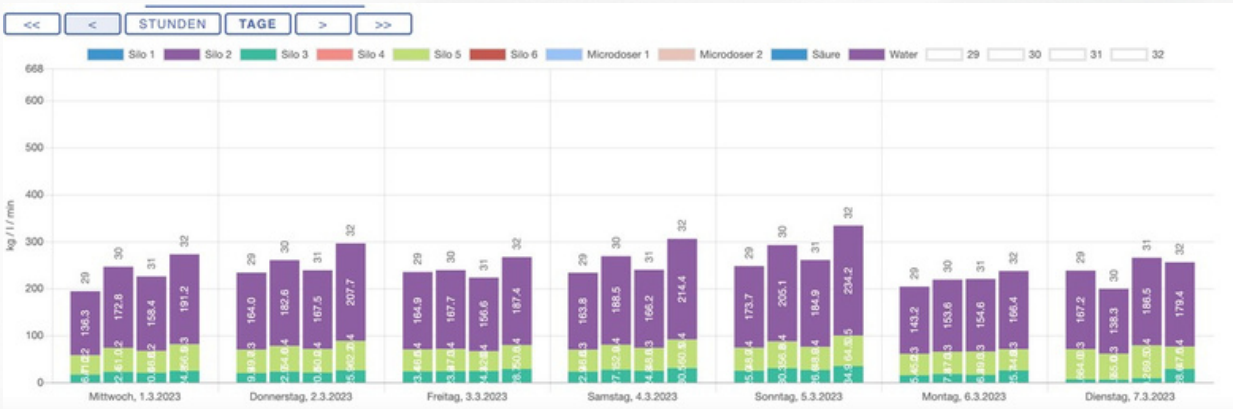
MINILIQUID

Microliquid是用于水产养殖的液体喂养系统，采用中央混合和气压输送，以有效地将液体饲料远距离分配。这项技术确保了对水生生物的精确和自动化喂养，优化了大规模水产养殖业中的生长，并降低了劳动成本。

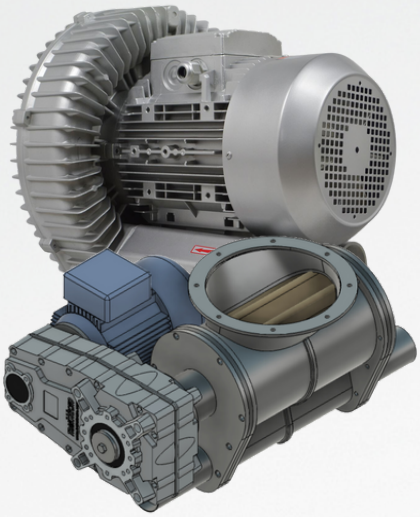
Microliquid is a liquid feeding system for aquaculture that employs central mixing and air pressure to efficiently transport liquid feed over long distances. This technology ensures precise and automated distribution of nutrition to aquatic organisms, optimizing growth and reducing labor costs in large-scale aquaculture operations.





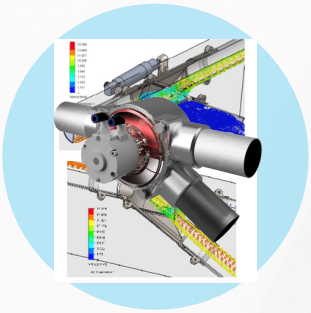


输送风机与气动送料器
FANS AND FEEDERS

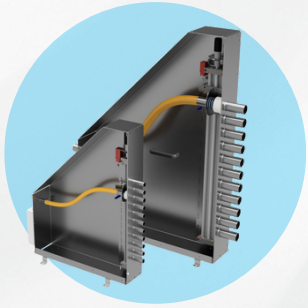


- 采用高品质压缩机，传输气压稳定，质量可靠，寿命长；
  Adopting high quality compressor, stable transmission air pressure, reliable quality and long life;
- 采用食品级304不锈钢材质，干净卫生；
  Made of food grade SS304 , clean and hygienic;
- 系统设计有多种保护功能，运行平稳；
  The system is designed with a variety of protection functions for smooth operation;
- 转子式送料机构，送料准确，破碎率低；
  Rotor type feeding mechanism, accurate feeding, low crushing rate;
- 输送速度快，输送效率高，输送距离更远。
  Fast conveying speed, high conveying efficiency and longer conveying distance.

气动分配阀
Pneumatic Valve

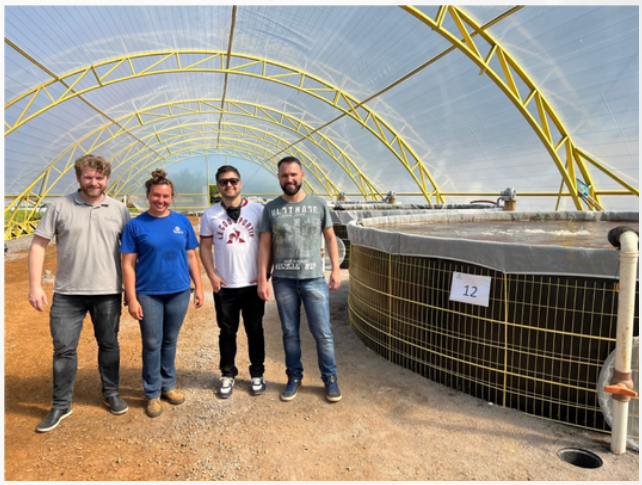


- 欧洲研发中心专利设计，产品稳定可靠；
  Patented design by European R&D center, the product is stable and reliable;
- 采用复合工程材料，强度高，寿命长；
  Composite engineering materials are used for high strength and long life;
- 采用一体式密封结构设计，气密性极佳；
  Designed with one-piece sealing structure for excellent airtightness;



PROJECTS AND TRAINING

- 引领智能化养殖和饲喂安全理念；
  Leading the way in smart farming and feeding safety systems;
- 我们对革命性地改进养殖业饲喂系统充满激情，使其更安全、更高效、更智能并且可持续并富有成效；
  We are passionate about revolutionizing farming to make it safer, more efficient, smarter and sustainable and productive;
- 提供一流的产品品质和服务。
  We can provide first-class product quality and service.



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