

THE POWER OF INSIGHT

INTRODUCING THE NEW



FALCON BIOMASS

Clear view. Clearer direction.

FALCON® VISION TECHNOLOGY

CONNECTING YOUR FARM TO THE FUTURE

FALCON® Vision Technology solutions from MSD Animal Health support healthy ecosystems where aquatic species can thrive. Our holistic approach to aquaculture management enables you to easily:

- **Monitor** for Insight
- **Optimize** with Precision
- **Benchmark** for Performance

The newest addition to the Falcon Vision Technology portfolio, **FALCON® Biomass** is a powerful, always-on biomass estimation unit that provides accurate information about average weight, distribution, and growth trends to improve fish farming operations.

Plus, the more pens you monitor, the deeper the insights you receive. And with intelligent and actionable snapshots of your stock – delivered directly from the pen to your dashboard – quick access to the data you need is right at hand. From wherever you are, and whenever you need it.

Built with more than 15 years of biomass estimation experience, the best part is the peace of mind you'll have knowing that accurate measurements are collected without risk to your staff, or stress and negative impact on fish welfare or feeding.



PRECISION BIOMASS TRACKING

With FALCON® Biomass in your pen, fish are actively and continually measured with pinpoint accuracy using **stereovision technology to deliver an accurate real-time 3D image of your fish.**

This information, combined with the artificial intelligence, provides an input for the **algorithm to calculate the weight of the fish and its condition factor.**



Real-time and continuous **information is collected from the pen as fish swim past FALCON Biomass**

The FALCON Biomass **data is cataloged and correlated for maximum insights** into your stock

Data is stored in the Cloud and **reporting is delivered straight to the customer dashboard** when you need it



POWERFUL INSIGHTS

- Daily monitoring on **average weight, growth and size distribution** – all delivered in a **single, user-friendly dashboard for all cages** with a biomass unit in the pen
- Continuous measurements, **24 hours, 7 days a week** – all wirelessly transmitted
- **Larger samples provide precise biomass tracking** in each pen (+/- 2%) to deliver **improved resource and logistics management** for harvest and processing

IMPROVED PERFORMANCE

- **Accessible online reporting** enables more accurate, timely decision making
- **Increase sales revenue** from optimized harvest planning – where you can select cages and dates for harvest
- Enhanced feed management & FCR – means **improved medication treatment efficacy** with smarter dosing, and **reduced stress and negative impact on fish welfare and feeding**

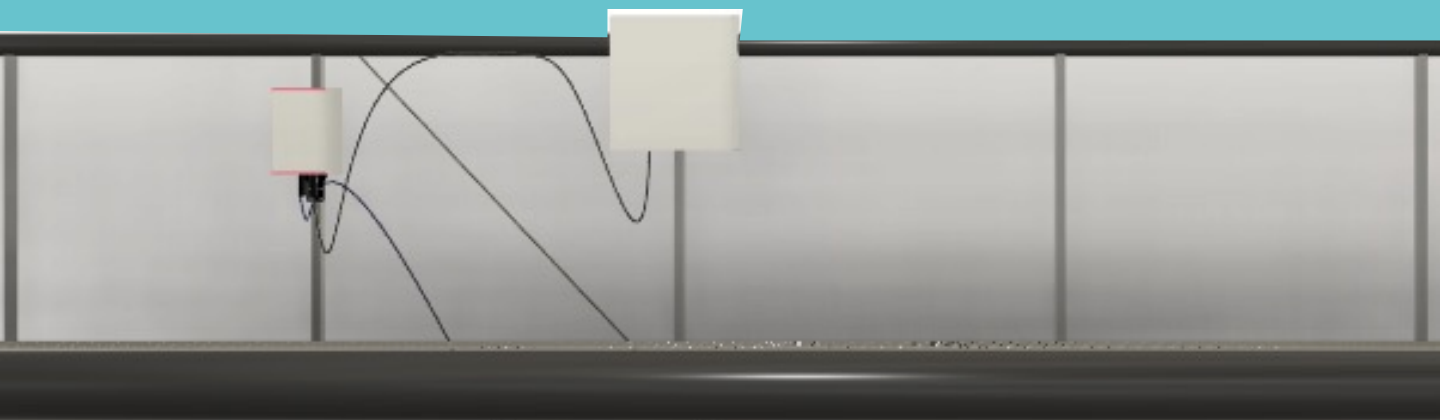


FALCON® BIOMASS

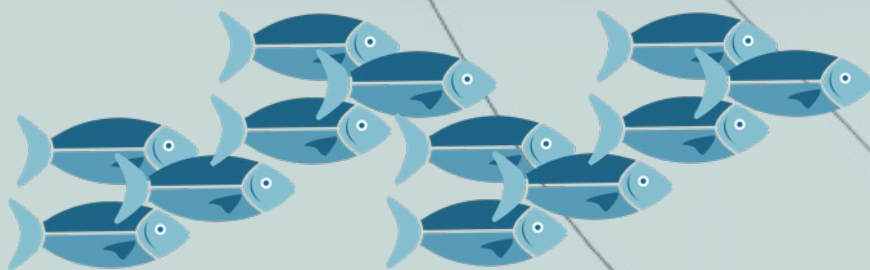
COMPACT
AND MIGHTY

FALCON® BIOMASS WEIGHS ONLY 11KG,
so the unit is easy to deploy and maintain.

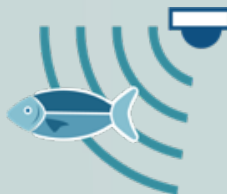
A falcon-eyed view from each unit delivers:



Deeper insights throughout
the cycle for optimized
farming operations



Thousands
of images
daily



Accurate biomass
calculations of
fish in pen



OPTIMIZE HARVEST PLANNING

Monitoring pens from growth to harvest, the FALCON® Biomass system delivers deeper insights to support your harvest planning goals and **provides accurate information for improved farming operations.**

Through monitoring the biomass over a duration, and comparing the environmental factors and size distribution, your operations benefit from:

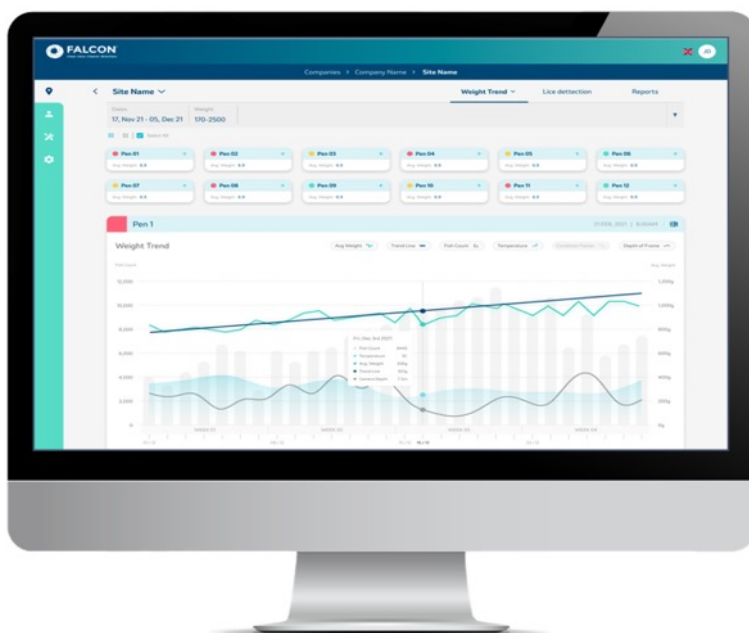
- Improved **resource and logistics management** for harvest and processing
- Reduced feed expenses with **enhanced feed management and FCR**
- Increased feed **medication treatment efficacy** with better dosing and application

CONTINUOUS AND RELIABLE

MEASURING DAY & NIGHT

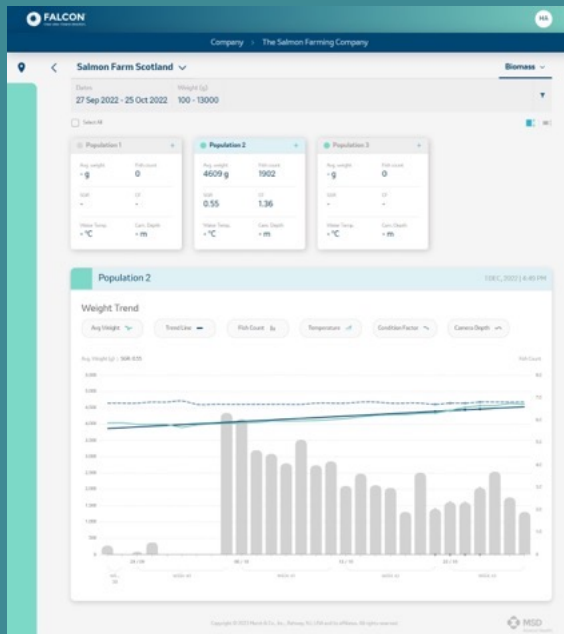
FALCON® Biomass measures 24/7, ensuring that the measured fish are a good mix from the whole population in the pen. That data is then reported directly to your FALCON® Biomass Platform to provide you with:

- Accurate weight and size distribution to harvest
- Lower overall FCR with focus on periodic FCR
- Growth monitoring, compared to environmental factors
- Information to manage Maximum Biomass Allowance
- Growth models with data in near real-time
- Insights to make key decisions on grading or splitting
- Correct insurance values for internal reporting
- Important data shifts in growth rates, FCR, and condition factor



THE FALCON® BIOMASS APPLICATION

SMART DATA



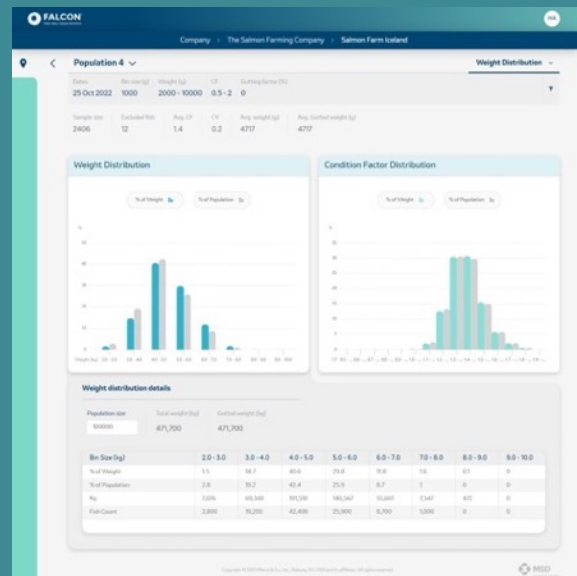
Within the FALCON® Biomass Application, you can easily monitor, track and analyze the data pertaining to the health of your stock in each of your cages.

Specifically, the **Weight Trend dashboard** highlights:

- Average weight
- Trend line
- Fish count
- Temperature
- Condition factor
- Camera depth

In addition to the prominent and easy-to-understand Weight and Condition Factor distribution charts, the **Weight Distribution Dashboard** showcases:

- Sample size
- Excluded fish
- Avg. CF
- Coefficient of variation (CV)
- Avg. weight (g)
- Avg. Gutted weight (g)





YOUR PARTNER FOR INSIGHTS

With MSD Animal Health solutions, you can expect excellent FALCON® Biomass customer service through our **four-tiers of best-in-class support**:

1. Our **always available online and printed User Manuals that provide detailed, step-by-step guidance** for the most common questions and concerns regarding your equipment or application
2. Access to our **Contact Centers for phone and web-cam support** to resolve challenges you may face
3. When needed, **on-site support** to tackle more hands-on technical issues and equipment servicing
4. Expert technical support assesses your system and works to keep you working. **System replacement or on-site repair** keeps things going.

A LEGACY IN SCIENCE

- The global leader in monitoring across species, **we've now brought this innovation and technology to fish farming**
- With **over 15 years of Biomass estimation expertise**, our technology is focused on your farming needs – *with future vision & functionality built in*
- Committed to the Science of Healthier Animals, we deliver **sustainable solutions to improve animal welfare and reduce the impact on the environment**



LET'S ADVANCE

AQUATIC WELFARE & SUSTAINABILITY

TOGETHER

Learn more about our solutions at
<https://aquafalcon.com>