

# PARTICLE ANALYZER

ANALYZE SIZES AND SHAPES DIRECTLY ON  
DIGITAL MICROSCOPE



## ANALYZE SIZES AND SHAPES

The Particle Analyzer app from TAGARNO works as a sampling tool at a production line or factory. Here, an operator can validate the size of their product through consistent on-screen quality checks during production.

The aim is to ensure high quality in the fish pellets and guarantee efficiency and accuracy in the process.

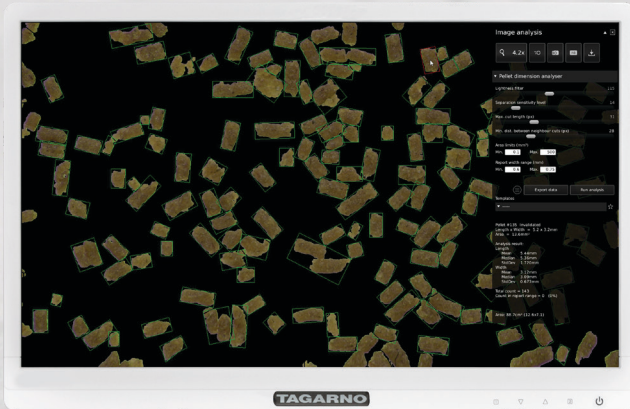
Although developed specifically to validate sizes and shapes of fish pellets, the TAGARNO Particle Analyzer app can be used in a variety of industries.

## PERFORM OBJECTIVE ANALYSES

The TAGARNO Particle Analyzer app eliminates the subjective aspect of checking sizes and shapes and thus any risk of human error. Instead, the app runs objective and accurate analyses every time.

By being able to preset a number of parameters and recall a template for future analyses, you can perform consistent quality check during production.

# HOW DOES IT WORK?



1. Place the sample on a light background. If necessary, use a backlight to remove shadows and reflections
2. Run analysis
3. Adjust settings to match quality control requirements and save settings in a template for later use/recall. Run new analysis if needed
4. The analysis calculates length and width mean, median and standard deviation of all identified shapes and creates a graph of the results. The analysis also includes the total object count and counted objects within reported range
5. Click on an object to see its measurements or to exclude it from the analysis
6. Export the data and capture an image with the objects and analysis result to use as documentation

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## AGILE DIGITAL MICROSCOPES

To use the Particle Analyzer app, it must be activated on a TAGARNO digital microscope. The microscopes can always be updated with new apps as they are released, making them agile and long lasting equipment.

Optical zoom, ultra-high frame rates and 1080p image quality are key benefits of using a digital microscope. They provide crystal clear images for indisputable documentation material that can be shared with colleagues and collaborators. Simply capture images directly to a USB stick or the internal storage on the microscope.



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## TO GET PREMIUM RESULTS, ORDER TAGARNO PARTICLE ANALYZER SOLUTION

In order for the TAGARNO Particle Analyzer app to run reproducible analyses, we recommend ordering the Particle Analyzer solution that consists of:

- TAGARNO FHD Trend or FHD Prestige
- TAGARNO Particle Analyzer app
- XPLUS FHD Control box
- Ring light white kit
- Back light
- White balance calibration card
- Monitor

## CONTACT TAGARNO

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