



DIGITAL MICROSCOPE

# TAGARNO TREND

The TREND is not just advanced technology. It is also personal technology at your service. Intuitive, agile, and customizable. Tailor it to fit your needs perfectly.

“Our quality analysis are **more objective and effective** now that we use the app

Jacob Mikkelsen, NIR Specialist & Data Scientist  
BioMar, Denmark

**TAGARNO**



TAGARNO TREND

## Effective quality control

Quality control in the foods and feed industry is automated in a matter of seconds

Introducing a digital microscope with automated software app means more objective and consistent analyses. No matter if talking animal feed, milk powder or flour, performing a high level of quality control will not only easily determine the quality level of the product itself. It will also assure customer, employee and management satisfaction.

Using the software will often replace more manual methods, normally highly depending on the human eye and skills. By implementing a more automated and easy to use digital microscope, the analysis results will get more coherent and more consistent.

Users will find more joy in their work.  
Customers will be satisfied with the results.  
Management will find it a great investment.

“**TAGARNO use  
reduces our  
claim rates**”

Nicola Derbyshire, Quality Department  
Orkla / Kim's, Denmark

TAGARNO TREND

# An intelligent digital microscope

The TREND has a built-in computer that turns this microscope into much more than just a magnification tool.



## All-in-one

A microscope, a computer and an analyzer. This is an all-in-one solution with a selection of apps available.

## Height adjustable

For maximum flexibility, adjust the microscope depending on how much space you need.

## Fine adjustment

Find your focus with the fine adjustment wheels.

## Laser pointer

When enabled, a laser pointer will show you what area of a sample you're looking at

## Large work area

The long arm of the TREND creates a big working area, allowing you to work with samples of all sizes

Tech specs

# Take a closer look

Perform firmware updates for ongoing improvements and adding features to the intelligent microscope.

Magnification levels	1.3 – 330x	+
Image quality	FHD/1080p	+
Frame rates	60FPS	+
Optical zoom	30x	+
Working depth	385 mm	+
Working height	34 – 323 mm	+
Field of view	1.6 – 409 mm	+

330<sup>x</sup>

Magnification level

60<sup>FPS</sup>

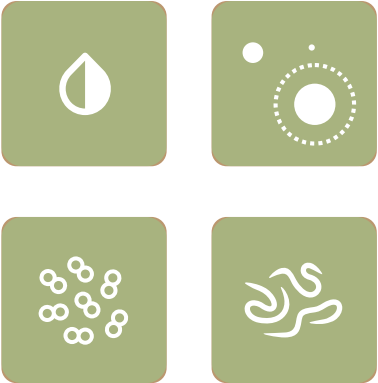
Ultra-high frame rates

385<sup>MM</sup>

Working depth

1080<sup>P</sup>

Image quality



Applications

# Intelligent microscope sees smarter

With a wide range of automated apps, a TAGARNO microscope can optimize your analysis work and create more precise and objective results.

“We are now able to do effective process control, carry out any adjustments and attain the **quality of our products**”

#### Case study

## TAGARNO use reduces claim rates

### Secure customer satisfaction

Using a digital microscope to determine the degree of bakedness and overall product quality, allowed Orkla to make quicker adjustments to the production process.

Color is a determiner for degree of bakedness and overall product quality. OC&S DK A/S's earlier equipment was old and unstable, resulting higher claim rates than desired. It was also expensive to repair.

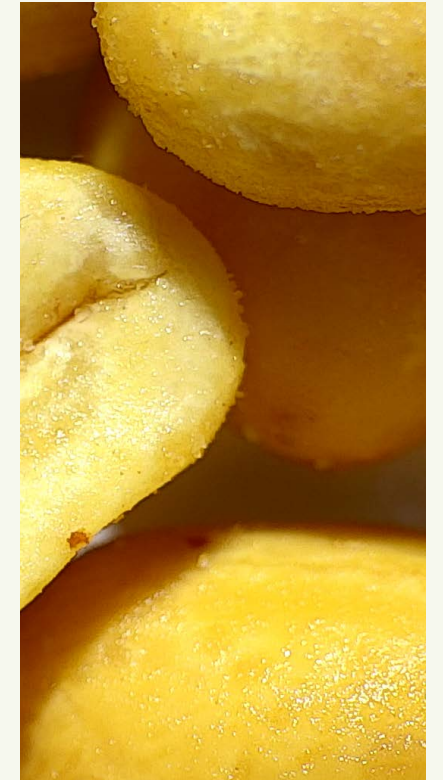
There was a need for a consistent and future proof solution with possibility for operators to track result trends on a graph log as

opposed to single points results. This would allow for quicker adjustments to the process if needed.

#### Consistent and future-proof

The TAGARNO objectively analyzes color distribution with no loss of accuracy over time. With firmwares and additional apps available, the TAGARNO fits into future digitalization plans. With low tolerances on the TAGARNO, OC&S DK A/S maintains high product quality and low claim levels.

**Read the full case study at [tagarno.com](https://tagarno.com)**



Available options

# Choose a solution that suits your needs

	TREND	TREND PLUS	TREND PRO
Included Apps	<b>TAGARNO TREND digital microscope</b>		
	Watermark application		
	Focus stacking application		
	Ruler application		
Included Accessories			
	Lens +4		
	XPLUS control box		
	Ring light white and Lights control box		
	Diffusor lens kit for Ring light white		
	Fresnel 100mm lens kit + Polarizer filter kit for Ring light white		
	Lens 1x Plan and magnetic lens kit		

The perfect package

# Customize your choice

Mix and match. Add any accessory and apps to your bundle and you are off.

## Microscope



## Accessories

**Ring light white**  
View natural sample colors

**Lens +10**  
Magnify seed at the right level

**Foot switch**  
Have hands free for sample control

**Back light**  
See object contours clearly through high intensity sub illumination.



## Apps



**Color analyzer app**  
Find average color values



**Particle analyzer app**  
Measure and count all shapes in a sample

Contact

# Want to know **more?**

Take a look at [tagarno.com](http://tagarno.com) or contact your local TAGARNO distributor if you want to see how you can optimize processes and improve quality.

[tagarno.com](http://tagarno.com)

**TAGARNO**