

TAGARNO FRONT

Is FRONT the right microscope for me?



TAGARNO

INTRODUCTION

TAGARNO FRONT

Digital microscopes have become more and more popular in many industries as they reduce work pain and have endless potential in terms of inspection, analysis and connecting data and teams.

But knowing which microscope to choose can be tricky. In this brochure, we'll help you decide if TAGARNO FRONT is the right one for you.

We'll start by briefly explaining the overall benefits of a digital microscope before going into more details about what makes the TAGARNO FRONT unique and how it can help your business.

Let's get started.



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BENEFITS OF GOING DIGITAL

An introduction to digital microscopes

Regardless of which model you choose, a digital microscope has a variety of benefits compared to the more traditional stereo microscope.



Find focus with autofocus

When finding focus on a stereo microscope, both eyepieces need to be adjusted manually according to the sample. You might not consider that a time consuming task, but the minute it's eliminated, you'll notice the difference.

In comparison, a digital microscope has autofocus. It means that the microscope will automatically focus on the sample underneath the microscope, independently of your eye sight or eye level, eliminating the need for manual adjustment of the microscope.

It also means that you can keep your hands on the sample itself, turn it around while zooming in and out, either with the control box or a foot switch, for more efficient inspections.



Discuss findings with colleagues in-person or remotely

When using a monitor rather than an ocular to view a sample, it's easy for multiple operators to inspect and discuss a sample at the same time.

If needed, the microscope live image can also be shared to remote colleagues during online meetings.

This allows everyone to have the same level of information about the sample, creating a better foundation for solving any potential issues.

Meetings can also be held immediately after a problem occurs instead of waiting for calendars to match up for a physical meeting.

Create consistency across inspections

With presets, you'll be able to save your most used settings as a group and recall them with a press of a button.

When using presets rather than manually adjusting the microscope, you ensure that the same settings are used across all inspections.

This not only creates consistency, but is also much faster than having to adjust the microscope manually, allowing you to spend more time on the actual inspections.

Reduce work pain

Instead of bending your neck to see through an eyepiece or straining your eyes to see the sample clearly, a digital microscope allows you to sit up properly and look straight ahead at a monitor. This reduces headaches and makes you feel less tired at the end of the day.

Improving ergonomics thus not only affects your productivity, but can also significantly improve your job satisfaction and ability to attract new employees.



A picture says more than a thousand words

More and more businesses need to document their findings during inspections. With a stereo microscope not having documentation capabilities, some try to take a photo with their phone through the eyepieces. Unfortunately, this doesn't always result in a very good photo.

In comparison, it's often as simple as pressing a button on the control box when using a digital microscope.

The photos can then be saved for future reference or forwarded to customers or supply chain partners if something needs to be discussed in more details.



TAGARNO FRONT

5 reasons why you should choose FRONT

Now, let's have a look at the specific benefits of the FRONT and examples of when this particular microscope is the perfect fit.



BENEFIT 1

Highest magnification capabilities of all TAGARNO microscopes

If you need high power magnification, FRONT is your go-to microscope.

By changing to a +50 lens, you're able to achieve 660x magnification and reduce the Field of view to 0.8 mm / 0.03".

This makes FRONT the microscope with the smallest Field of view of all the TAGARNO microscopes, and allows you to see even the smallest details on your samples.

FRONT, however, is also compatible with the +3 lens which provides as little as 1.3x magnification. FRONT is thus a versatile microscope that can be used for high as well as low power magnification.



BENEFIT 2

Don't be distracted by interference, regardless of your setup

A key benefit of the FRONT is its ability to reduce interference from nearby movements and create ultra sharp and study images, even at high power magnification level.

While this is similar to the PRESTIGE, FRONT is unique in that it offers this stability while also allowing you to adjust the working depth of the microscope according to your samples.

At its biggest, FRONT has a working depth of 275 mm (10.83"). In comparison, the working depth of the PRESTIGE is 150 mm (5.91"). FRONT is thus able to accommodate larger samples than PRESTIGE which is important to keep in mind when choosing your microscope.



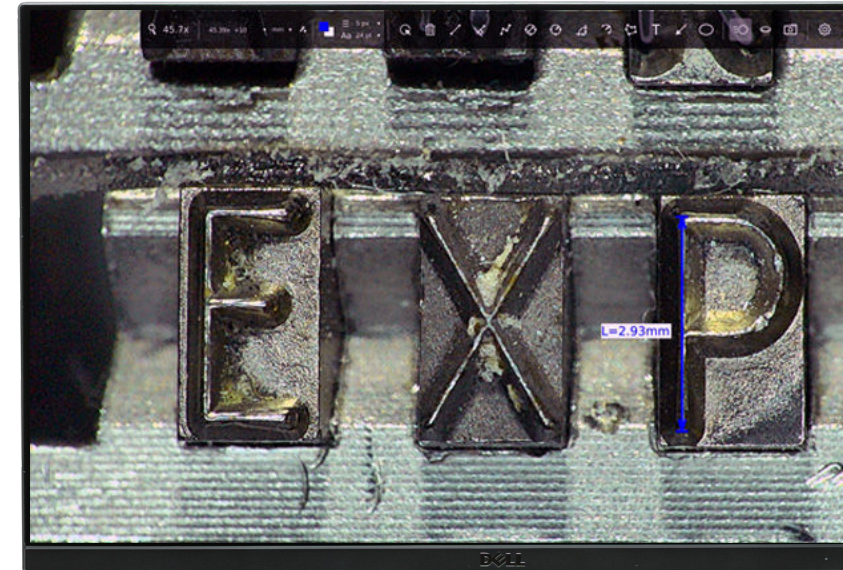
BENEFIT 3

Take your inspections to the next level with advanced features and software

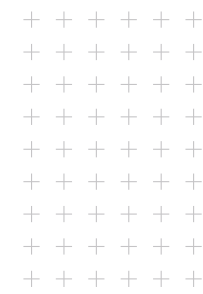
FRONT offers a wide range of features that you do not find on the lower priced ZIP and ZAP microscopes.

The advanced features that include more presets and camera settings as well as easier documentation processes are all designed to increase your efficiency by reducing the risk of user errors and eliminating repetitive tasks.

Besides the included Watermark, Ruler and Focus stacking app, you can also customize your microscope by activating licenses to additional apps, including the bestselling Measurement app, to perform on-screen measurements and elevate your inspections even further.



Measurement app



BENEFIT 4

Prolong product lifespan with firmware updates

By installing firmware updates, FRONT can be updated with new features as they are developed and released.

Rather than replacing the microscope if your needs change, this allows the microscope to evolve long after you've bought it, prolonging its lifespan and ensuring that you get the most out of your initial investment.



BENEFIT 5

Choose your own setup

FRONT can be installed in two different ways to fit samples of different sizes.

Place the camera head directly in the camera mount for a shorter working depth or use the extension kit to create a larger working depth that will accommodate larger samples and batches.

When purchasing the FRONT you receive all accessories needed to create both setups so you can alternate as your needs change.

IN SUMMARY

5 questions to determine if FRONT is the right microscope for you

- Do you need to perform low and high power magnification on one single system?
- Does the working depth need to be adjustable or simply bigger than the PRESTIGE?
- Will the microscope be used in a high traffic area with vibrating machines nearby?
- Do you want to improve your efficiency, reduce user errors and create consistency across your inspections?
- Do you want a future proof solution that can be updated with new features as they are released?

If your answer is yes to any of the above, we're confident FRONT will be a great addition to your setup.

Are you ready to get started?

[Get a quote](#)



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