

TAGARNO



TAGARNO ZAP

**Is ZAP the right
microscope for me?**

INTRODUCTION

TAGARNO ZAP

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 ZAP 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 ZAP unique and how it can help your business.

Let's get started.

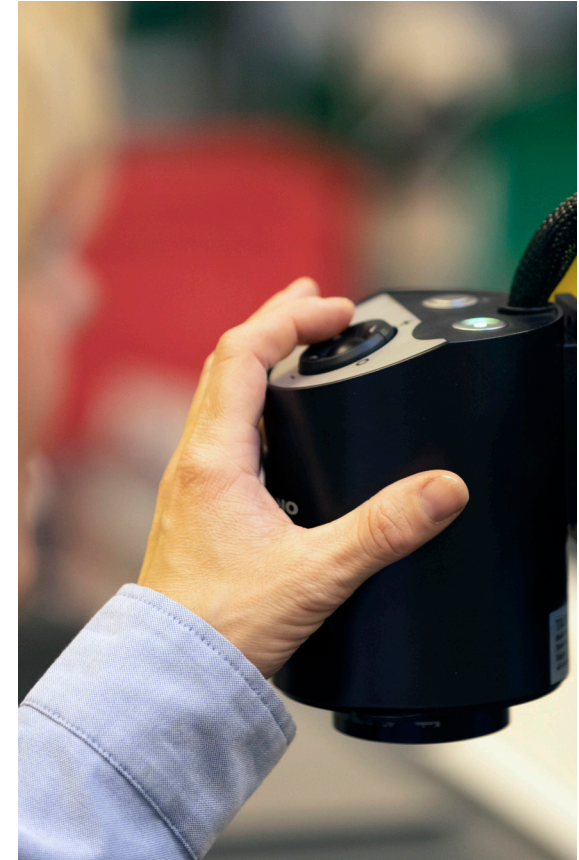


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BENEFITS OF GOING DIGITAL

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 across inspections, 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 ZAP

5 reasons why you should choose TAGARNO ZAP

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



BENEFIT 1

Create a customized setup

A key benefit of the ZAP is its versatility.

When purchasing ZAP, you start with the camera head and select the accessories you need to install it. This creates multiple installation options, each with their own benefits.

With the INLINE bundle and +2 lens, you have the biggest field of view of all the TAGARNO microscopes, allowing you to inspect big samples or batches.

With the FLEX bundle, you can change between multiple lenses to inspect samples of all sizes. The flex arm also allows the microscope to be installed inline for more efficient inspections.

Lastly, the STAND bundle provides more stability than the flex arm centered bundles, which is great if you're working in an area with many nearby movements, often leading to vibrations and shaky images – or simply if you need high power magnification.

The choice is yours and if you change your mind, you can always change the setup.

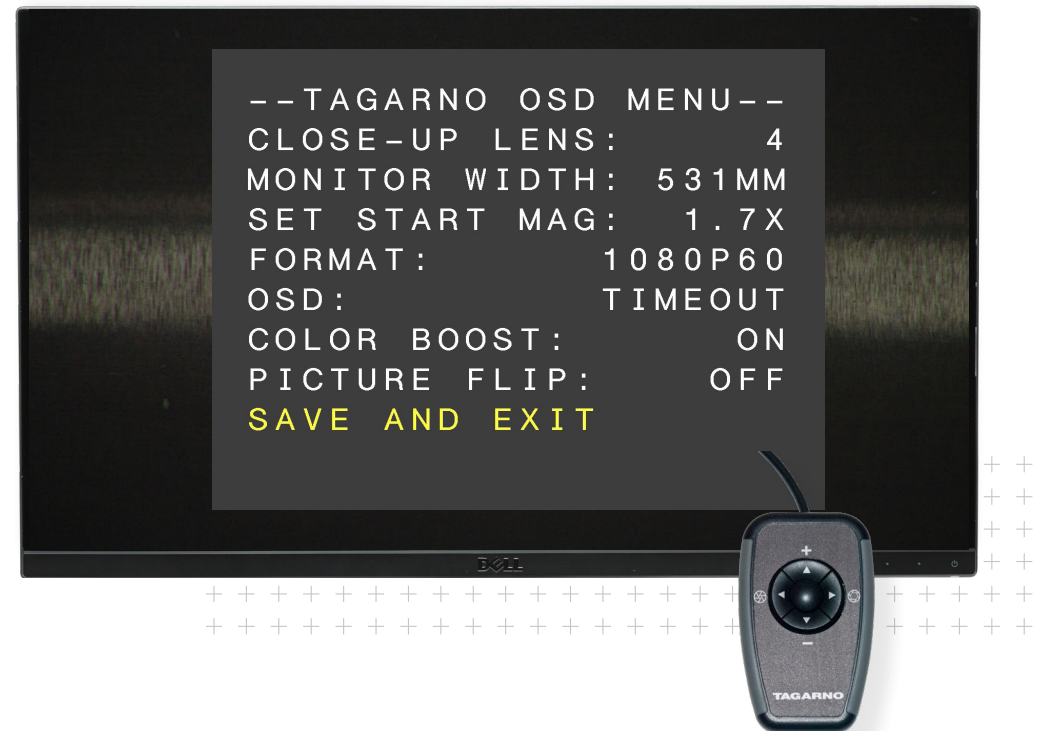


BENEFIT 2

Everything you need, nothing more

Sometimes all you need is excellent image quality and a few basic camera settings in order to do your inspections. If that's the case for you as well, then the userfriendly ZAP is your go-to microscope.

Regardless of which accessories you choose to install the ZAP, you'll be able to save three presets and adjust iris, gain and color boost according to the sample with the control buttons on top of the camera head or the XKEY control box for efficient inspections.



BENEFIT 3

Activate more features if and when you need them

If you find that you need more features after using your ZAP for a while, you can purchase an Upgrade kit.

With the Upgrade kit, you'll gain access to the advanced features, apps and easy documentation options from the more high-end TAGARNO microscopes.

By purchasing an Upgrade kit rather than a brand new microscope as your needs change, you're prolonging the lifespan of the microscope and making sure that you get the most out of your initial investment.





BENEFIT 4

Move it around

When installing the ZAP with a flex arm, the working depth of the microscope can easily be adjusted to fit samples of all sizes and obtain low as well as high power magnification on just this one microscope.

You can even push the microscope out the way when you're not using it to free up space.

This makes ZAP a flexible microscope that can be used on a large variety of samples and can fit on most work stations.



BENEFIT 5

Locate magnified area with laser pointer

When working with bigger samples or at high magnification levels, you can lose track of what area of the sample is being displayed on the monitor.

To avoid this, activate the built-in laser pointer to point at the magnified area of the sample.

This is especially useful if you've identified a faulty area of your sample and need to rework that particular area or remove it from your batch.

IN SUMMARY

How to determine if ZAP is the right microscope for you

- Is a high-quality microscope with basic camera settings sufficient for your current inspection needs?
- Do you want a customized setup and the flexibility to change it or activate more features if your needs change?
- Do you need a field of view of 600 mm (23.62") to inspect big samples or big batches – or do you need to install it inline?
- Do you need high power magnification (up to 133x) and excellent stability to check even the finest details?

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

Are you ready to get started?

[Get a quote](#)



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