



5 Reasons Why **Sigsense** is Your Throughput Champion

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When it comes to lab performance, the accuracy of test results matters. A lot.

But equally as important is *throughput*, which is paramount to the continued success of your lab.

There are many processes critical to throughput—often sequentially intertwined—so knowing how to evaluate current throughput metrics can be difficult. Not to mention finding improvement opportunities!

Sigsense provides an out-of-the-box solution for handling both those hurdles.

Key to overcoming those obstacles is a system that easily allows throughput to be quantified and ensures process conformity--both core facets of our platform.

Here are the top 5 reasons Sigsense is perfectly suited to help labs improve their throughput:



1.

It's a holistic system that provides insights for the entire lab

There's a whole lot going on in any given lab. The many and varied types of equipment you have running demand a multifaceted system capable of both accurately measuring throughput then identifying ways to improve it.

Why multifaceted? Because those machines are all highly sophisticated and specialized – they're different and complex and require a system capable of understanding and handling those differences.

Accurately measuring throughput demands a system that can evaluate each piece of equipment both individually and as part of a multi-machine process. This is where Sigsense really shines. It's a universal system capable of capturing, collecting, and organizing data at the machine, line, and facility levels. Or, if more appropriate, by group or department or function – the choice is yours.

The result? A thorough and detailed throughput evaluation system.

2.

It analyzes usage by establishing a throughput baseline

Without knowing what your throughput baseline is, it's difficult to measure in much detail let alone find ways to improve it.

Sigsense captures and analyzes concrete performance metrics – the logical first step in establishing an accurate and comprehensive overview of current throughput capabilities.

Here are just a few types of data the Sigsense platform utilizes:

- The number of tests run or samples processed
- The average test/batch completion time for each machine
- The total processing time machine in a line requires

All to provide a clearly defined set of operational baselines. Once you have that information, you'll be empowered to establish a normalized throughput KPI baseline.

After all, you can't expect to see growth without first setting down roots.

3.

It offers access to real-time metrics

Once your throughput baseline is established, Sigsense will help you to:

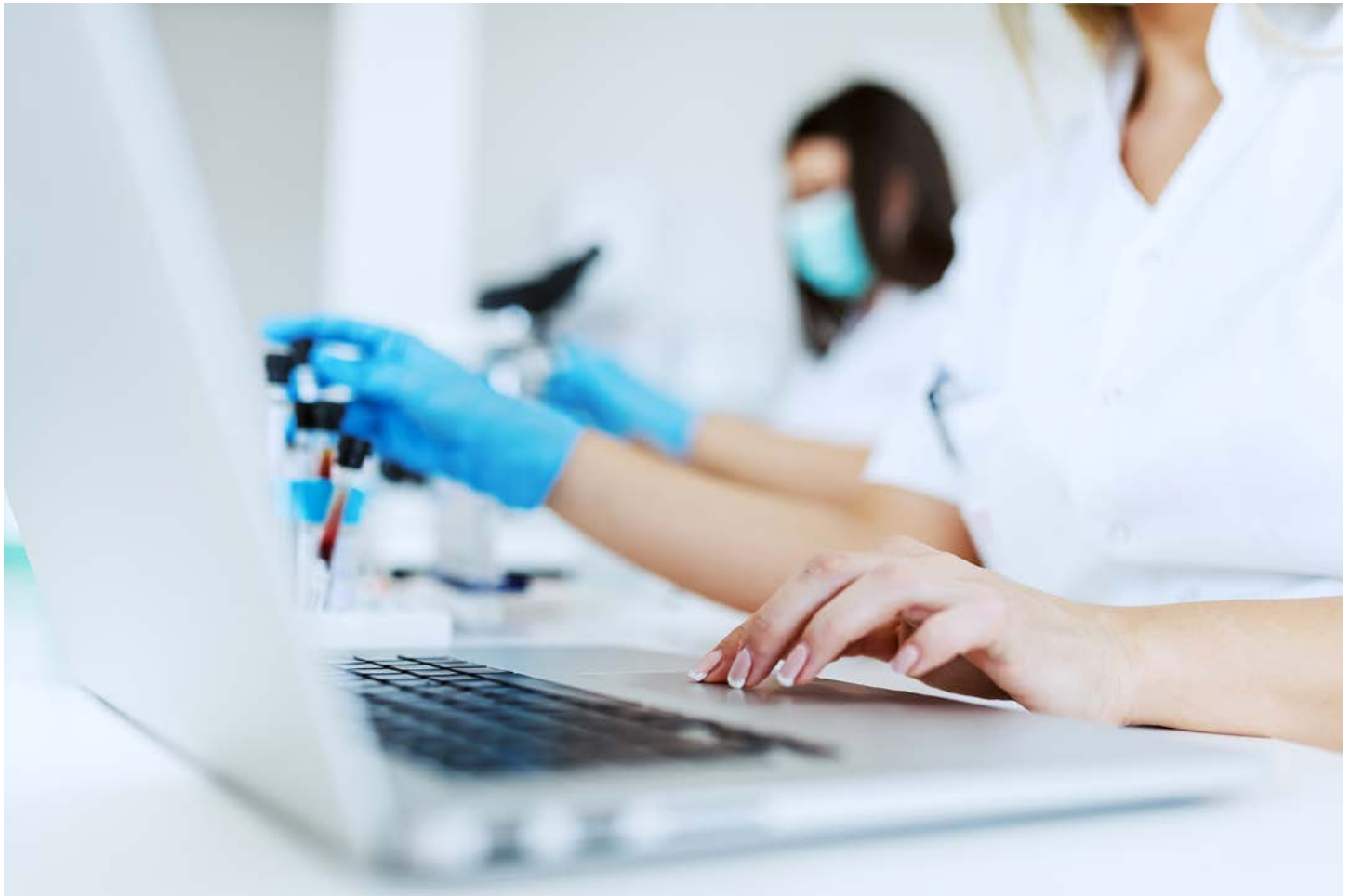
1. Identify opportunities to improve
2. Proactively recognize when performance is slipping

Both of these objectives hinge on making timely decisions, especially when it comes to ensuring consistent equipment outputs.

The key to making those timely decisions? Feeling certain that the information you are basing them on is as current and accurate as possible.

Unlike similar systems that require days (or even weeks!) of processing and organizing before performance data is usable, the Sigsense platform provides you with up-to-the-minute operational metrics.

Better still, you have the same degree of insight remotely as you would standing next to the machine while it runs. That means you'll know right away if a new line isn't performing as it should and will immediately be alerted of a potential issue when operational deviations are detected.



4.

It provides data-driven recommendations

Sigsense is an AI-powered adaptive platform. That means the longer it is connected to your equipment, the more plentiful and insightful the information it provides.

Reviewing historical operational data trends can provide a number of different insights, including:

- How to improve and inform your KPI expectations
- A spotlight on improvements in workflow
- The equipment that should be prioritized in the replacement cycle
- How best to allocate capital to improve the lab's overall infrastructure

The more data the platform's AI has access to,
the better and more valuable these recommendations become.

5.

It minimizes unplanned downtime with failure detection & prevention systems

Throughput is affected when equipment unexpectedly goes down – this is certainly true. But simply acknowledging this fact fails to address the many factors that can lead to unanticipated downtime.

Because most machines won't feature windows allowing you to see their inner workings, failures are almost always addressed reactively and not proactively.

Sigsense's Artificial Intelligence is capable of achieving such intimate levels of familiarity with your equipment that it can actually detect precisely when such component failures happen. It can even alert you to the potential for such failures well before they occur.

But what about external impacts like environmental factors? For example, a sensitive blood analyzer too near an HVAC vent could produce results with diminished accuracy and throw off the expected throughput metrics.

Fortunately, the Sigsense platform is fully capable of detecting and alerting you to these issues too – leaving no stone unturned.



Sigsense is the
key to maximizing
throughput in your
lab.

If you're fighting unexpected or unexplained downtime or simply looking to set better KPI baselines for your lab's equipment there are many ways Sigsense could come to your rescue.

Want to hear more? For any questions or schedule a demo, [get in touch](#) with our team today.

