WHEN DOES LIQUID HANDLING AUTOMATION MAKE SENSE?

Processing a high number of samples is a great, but far from only, reason to implement liquid handling automation. Through conversations with our customers, we've found that automation with flowbot® ONE makes a major difference if you are:

Working with more than 1 reagent of different liquid classes.
With flowbot ONE you can optimize specific liquid class settings which results in enhanced accuracy and getting the most out of your reagents.

Working with more than 5 different samples.
More than 5 samples complicate traceability and increase the risk of human errors, sample switching, and ultimately having to re-do experiments or tests.

Using more than 2 x 96-well plates.
Keeping track of several plates makes human errors hard to avoid.

Using just a single 384-well plate.
Manually keeping track of 384 samples while maintaining high accuracy is highly error-prone.

Working with a protocol with incubation steps.
This will relieve you of manually keeping track of the incubation duration, and enable you to do other tasks during incubation.

Working with a protocol that has external devices.
This will relieve you of handling external devices manually. A magnetic device, shakers and temperature controllers are already integrated into the flowbot ONE software.

Working with protocols that are several hours long.
Some of the long protocols don't allow you to take even a small break when working manually.

Working with time sensitive applications.
Working with time sensitive applications manually is stressful and an error can damage an entire experiment.

Working with temperature sensitive material.
Working with temperature sensitive material requires precision, speed and zero errors.
Standardizing it with automation will yield better results and ensure less waste of expensive material.