

Workshops for Exploring Bottlenecks in Automated Labs

WHAT THE WORKSHOP IS?

A collaborative, expert-led workshop session focused on your real lab workflows.

We spend time with your team exploring where manual work still appears, why automation breaks down, and how dexterity, variability, and sterility affect trust in automated systems.

There's no fixed agenda, no sales pitch, and no obligation to automate anything.

The session is shaped around your problems, your workflows, and the questions you want to explore.

WHY THIS MATTERS?

Even in well-automated labs, workflows often still include:

- Manual handling in sterile environments
- Context-dependent steps robots struggle with
- One remaining task that forces human intervention

Many teams feel pressure to automate some or all steps without clear evidence of whether automation will actually help.

This workshop exists to create clarity before decisions are made.

WHAT WE DO IN THE WORKSHOP?

We work with your team to explore real lab workflows and understand where automation genuinely adds value and where it does not.

Together, we walk through end-to-end workflows, identify where automation breaks down or relies on human intervention, and explore tasks involving dexterity, variability, or context-dependent handling.

The session helps sense-check whether automation is truly the right investment and is intentionally open-ended, focused on discussion and exploration.

WORKSHOP OUTCOMES?

Rather than a predefined outcome, you leave with evidence and shared understanding. Typically this includes:

- Session recording and written summary of findings
- Data and visual assets from any robotic exploration
- A report to support future automation decisions

Many teams use this input to inform future automation decisions, including when not to automate.

WHO WE ARE?

- Shadow Robot is a global leader in dexterous robotic hands. We're the creators of the Shadow Dexterous Hand (used by OpenAI and NASA) and the **DEX-EE Series (designed for Google DeepMind)** These innovations give us unmatched expertise in flexible, human-like robotics, and now we're exploring lab automation.

- This initiative is **funded by UK's Advanced Research and Invention Agency (ARIA)** to explore how next-generation robot hands could help labs.

Contact Us
hand@shadowrobot.com
www.shadowrobot.com

Shadow Robot