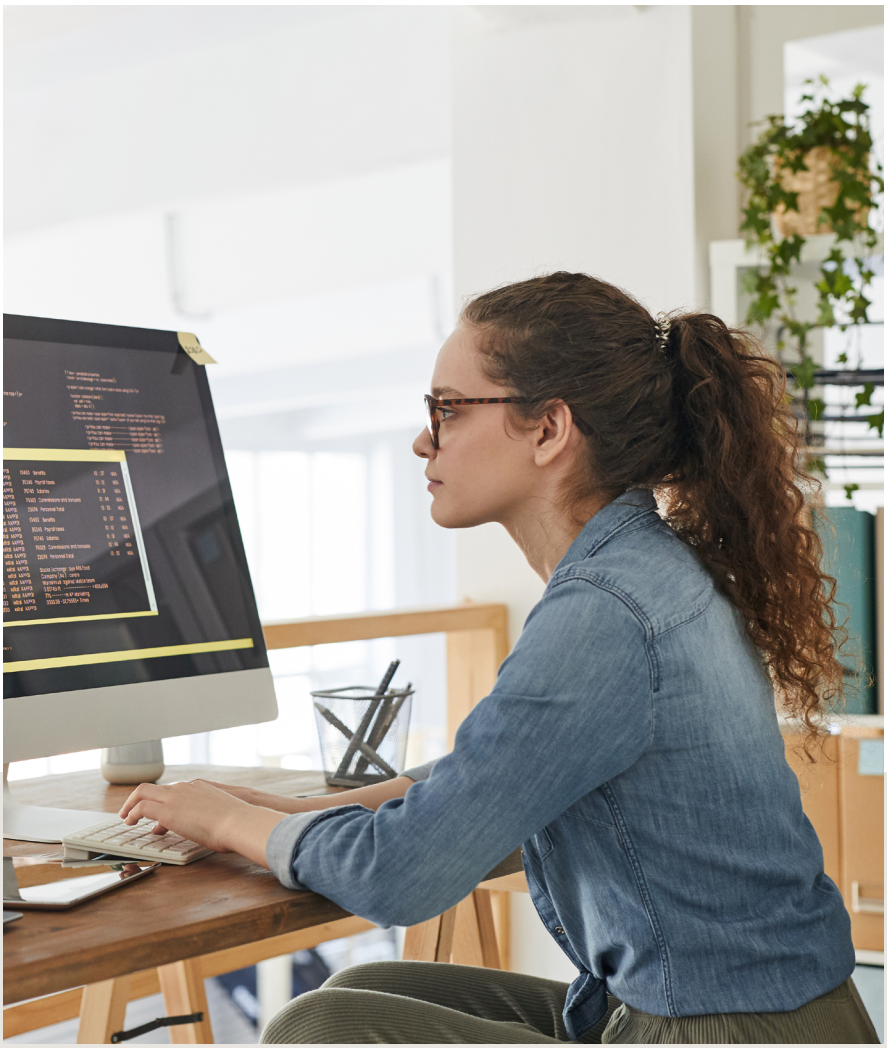
# UST + SGBI transforming POS testing with intelligent automation



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## Accelerating retail innovation with intelligent automation

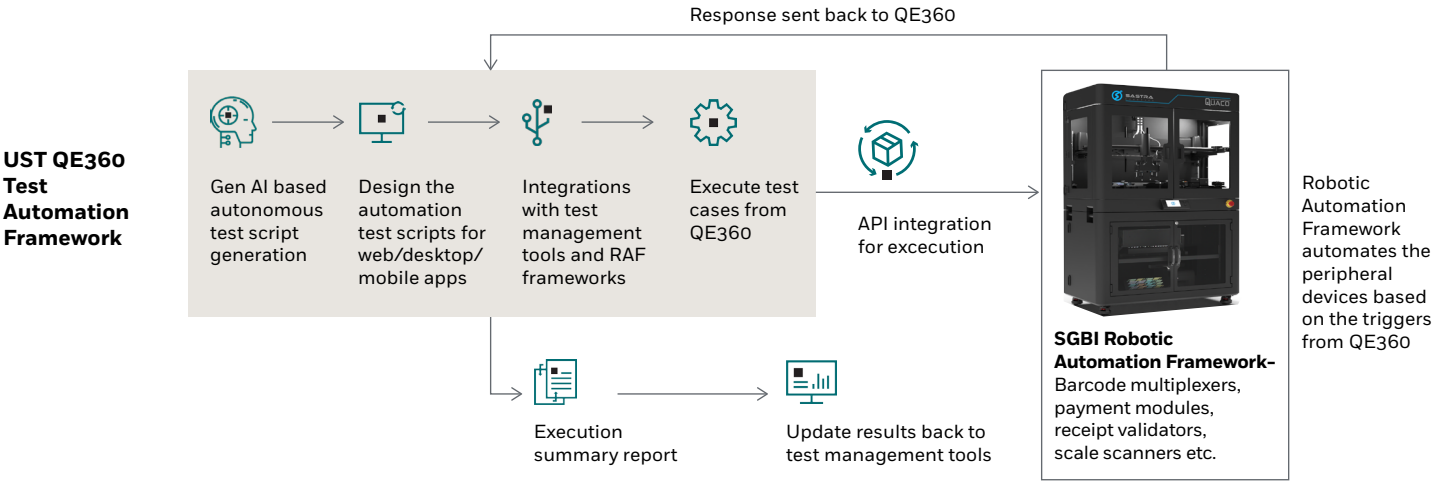
In today's fast-paced retail world, seamless, secure, and efficient Point-of-Sale (POS) operations are non-negotiable. By enhancing efficiency, precision, and insights, businesses can accelerate growth and elevate customer satisfaction. That's why UST and SGBI have joined forces to revolutionize POS testing—empowering retailers to deliver flawless transactions every time. Our joint solution combines UST's cutting-edge AI-powered QE360 test automation platform with Sastra Robotics' best-in- class QUACO robotic automation framework to deliver end-to-end Point of Sales (POS) test automation that covers both software and physical hardware components—ensuring your systems are always ready for peak performance.

## Why UST + SGBI?

- 25+ years of UST's Quality Engineering (QE) expertise across retail and enterprise domains.
- Experience working with different POS systems including NCR, Toshiba, Aloha, VISION BeanStore. Reusable assets and prebuilt test packs for accelerators.
- Dedicated POS Labs and Test Center of Excellence.
- 180+ robots deployed globally by SGBI.
- Award-winning robotic automation and AI-based test generation.
- UST Recognized as Leader in Continuous Testing by industry analysts.

## UST's QE360 and SGBI's QUACO robotic framework joint POS testing solution highlights

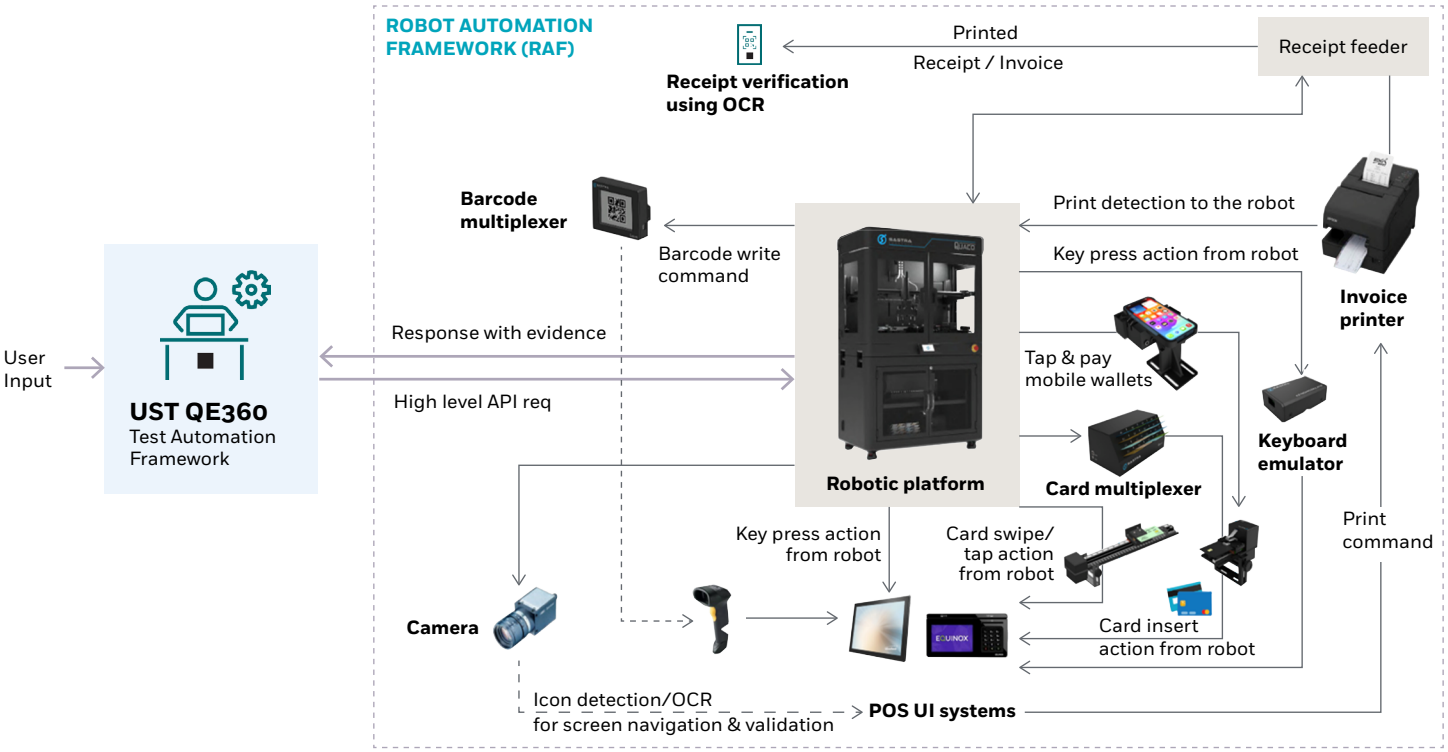
- AI-Driven Innovation with GenAI Acceleration- complete test lifecycle automation from strategy generation to defect fix instructions.
- Auto import of manual test cases using GenAI.
- On demand Synthetic test data and provisioning.
- Real device testing with robotic interaction swipes, taps, inserts, receipt validation.
- Hardware-integrated automation for Scale and barcode scanners, payment modules, printers.
- Vision systems and OCR for screen and receipt validation.
- End-to-end business process coverage through multi-layer validations across Web, Mobile, Desktop, API and backend.
- CI/CD integration with JIRA, Zephyr, ADO, and Centralized reporting.
- Quick device swapping, low maintenance and highly efficient Robotic system with 99.9% uptime.



## USE CASES

End-to-end automated testing across web, mobile, and desktop applications integrated with peripheral devices including barcode scanners, payment modules, and receipt generators.

The UST QE360 and SGBI integrated test automation architecture combines UST's **AI-driven QE360 platform** with SGBI's **Robotic Automation Framework** to deliver comprehensive end-to-end test automation. This collaboration ensures high test coverage, reduced regression cycle time, and significant cost savings through advanced AI and robotic automation.




## Business impact and benefits

- Greater than 95% test coverage with robotic automation and reusable assets.
- Up to 30% reduction in testing cycle time.
- 60% reduction in total cost of ownership.

## Ideal for

- Retailers, supermarkets, hospitality and businesses using modern POS solutions.
- Enterprises with complex POS workflows and hardware dependencies.
- Organizations seeking to reduce manual testing and improve release velocity.

### Let's talk

Discover how UST and SGBI jointly can help you modernize your test automation strategy to maximise the automation coverage across API/Web/Desktop/Mobile Apps and physical touch points of POS system and drive operational excellence.

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**Contact us** today to accelerate your POS automation journey

Since 1999, UST has worked side by side with the world's best companies to make a powerful impact through transformation. Powered by technology, inspired by people, and led by our purpose, we partner with our clients from design to operation. Our digital solutions, proprietary platforms, engineering, R&D, products, and innovation ecosystem turn core challenges into impactful, disruptive solutions. With deep industry knowledge and a future-ready mindset, we infuse expertise, innovation, and agility into our clients' organizations—delivering measurable value and positive lasting change for them, their customers, and communities around the world. Together, with 30,000+ employees in 30+ countries, we build for boundless impact—touching billions of lives in the process.

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