

# ROBOTIC PROCESS AUTOMATION: The real thing.

Would you like a **complete** robust end to end **automated** test process, now integrating the **hardware** with existing **software** automation for **testing**:

- PoS devices
- ATMs
- Smart phones, and other devices

## Until now;

- Manual testing processes have either delayed your release schedule, or compromised on coverage
- End-to-end testing has been forced to include manual card/device testing or synthetic emulations
- Often these need further complication of workarounds to cater for multi-factor authentication
- Studies show that typically much less than 20% of endpoints, devices, transactions are regularly, actively tested
- Testing for success is one side of the coin, but it is also valuable to test for failures, so increased test performance further improves coverage.

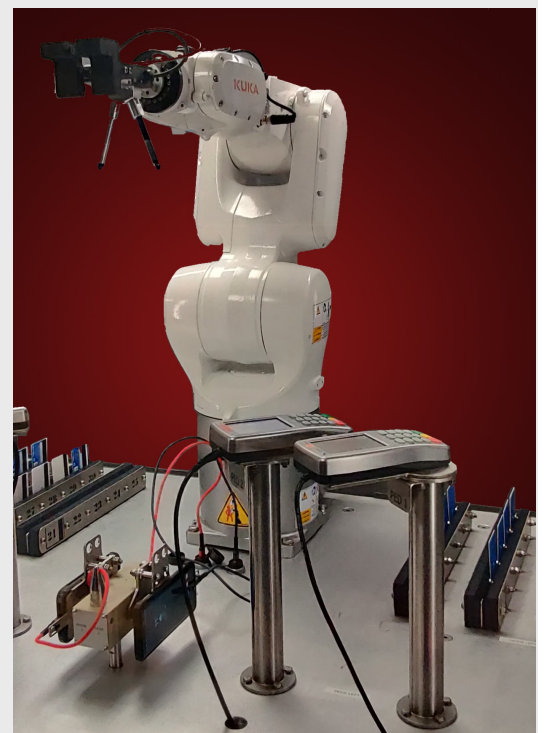
## In an ideal world;

The ideal solution would seek to improve on current standards, aiding the implementation of

- multi-functional,
- highly adaptable,
- reliable,
- repeatable
- **truly** end-to-end testing

Such a solution would enable

- Increased test coverage
- Improved reliability
- Faster turn-around
- Liberation of analysts for higher value tasks – e.g.: manual tester could be upskilled to add much more value in a much more satisfying role as a test automation scripter, test manager, business analyst etc.



## Innovative solution;

Our solutions and services provide the technology and processes to

- Automate your testing
- Shorten test cycles
- Reduce time-to-market
- Improve staff efficiency
- Confirm your quality
- Run tests 24/7
- Introduce new features, devices, easily

## Contact Now:

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**ROBOTIC  
PRECISION**

*Accurate*

*Reliable*

*Repeatable*

## ROBOTIC PROCESS AUTOMATION: The real thing.



PoS-1 Swipe



PoS-1 Touch



PoS-1 Tap'n'Go



PoS-2 Swipe

### Solution description;

- An industrial grade robot provides
  - Accuracy,
  - Longevity,
  - Reliability,
  - Adaptability
- Safe work zone for user protection
- UPS protected control electronics
- Designed for maintenance accessibility
- Simple to use command protocol enabling rapid integration to test platform software such as
  - Micro Focus UFT
  - Selenium framework
  - Others
- True 'real world' end-to-end testing
- Currently handling (but not limited to)
  - cards
  - smart phones
- it includes actions such as
  - insert
  - swipe
  - tap-and-go
  - QR code
  - press button pin-entry
  - touch screen entry

### Case study;

A large retail organisation had been encountering delays on their release schedule as manual testing simply could not maintain the pace or deliver the breadth of coverage to meet deadlines.

### Tech Detail;

The solution deployed is a flexible design and in this instance consists of docking for:

- 3 x class A POS devices (current)
- 1 x class B POS device (being introduced)
- 1 x Android (Samsung) Smartphone
- 1 x Apple iPhone
- 40 x Credit/Debit/Loyalty Cards (various)

The workstation includes:

- Industrial grade robot for reliable repeatable and highly adaptable movements
- Plexiglas safety zone for operator safety
- Emergency override 'STOP' switch
- Heavy Duty Power Supply with Surge protection against power spikes
- Arm Controller PCB in strong protective case
- Local Arm control device for direct control, reset etc.
- Housing for multiple POS PC's and printers
- Weighted industrial strength bench for stability, durability and accuracy
- Slots and mountings for
  - Cards
  - Phones
  - POS devices
- Connectivity is via standard LAN, utilising TCP/IP, with a simple to use coding system of commands, for easy and complete integration with typical host system testing software such as UFT.
- This solution introduces a flexible design 'chassis', effectively future-proofing the investment, as all parts and processes can be upgraded/adapted/replaced as necessary to maintain relevance and service capability.



**REDUCE  
RISK**

*Increased test  
coverage*

*Improved  
reliability*

*Faster  
turnaround*



**Gripper, Touch & Button-push fingers**