

RADI™ (Robot Automation Device Inspection) Test Platform

Robotic Functional Testing for Mobile Devices

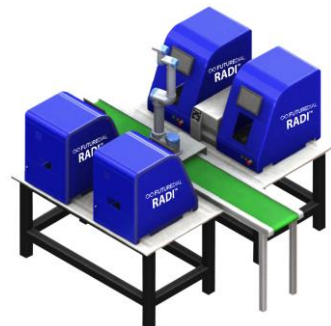
Perform Accurate Device Testing with Reduced Cycle Time

RADI™ (Robot Automation Device Inspection) is a new addition to the Lean One Touch™ family of products. It is a powerful and efficient solution for automating the physical functional testing of mobile devices, increasing both line efficiency and test accuracy. Designed for high-volume device testing environments, it provides extensive test capabilities and highly efficient test cycle time with minimized handling. It can be used either manually, or integrated in a fully automated test line with various types of feeder mechanisms.



Simulates User Interactions for Smart Devices

RADI™ features humanlike robot-assisted technology that is widely used in product development, production and quality assurance. This solution is compatible with numerous smart device makes and models, and seamlessly integrates with FutureDial's Lean One-Touch™ software for easy-to-use test parametrizing, results analysis and reporting tools.



Scalable Solution to Meet Your Needs

RADI™ is a modular, scalable and cost effective system which is easy to implement to different kinds of customer processes.

STANDARD FEATURES

- Robot for DUT movements
- Speaker & microphone for audio testing
- Actuators for touchscreen, buttons and connectors
- Ambient light source and test targets for camera testing
- Vision system for positioning and display testing
- Tool for new product introduction
- Graphical user interface
- Device test application paired with tester host software
- Integrated control electronics

No Sorting Required

- The solution handles multiple product types, and it can identify the correct device model type and apply the specified test procedure for each make and model.

Scalable Solution

- Can be scaled up from 2 -100 boxes.

Pairs with Tester Software

- Integrates seamlessly with FutureDial Lean One-Touch™ Software

Suitable for Manual, Semi-Automated & Automated Use

Universal DUT interface

- Fully universal device under-test adaptation – no additional product-specific hardware parts are needed and the same test platform can be configured for various products

Combined tests minimize:

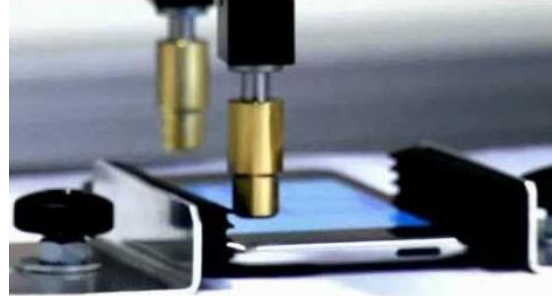
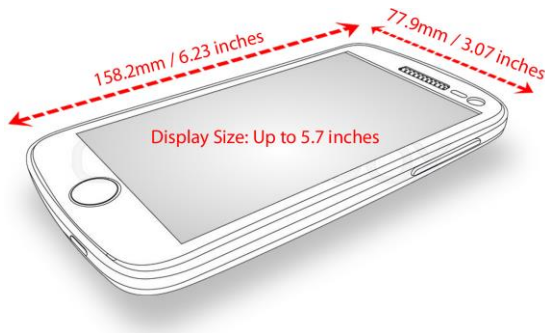
- Factory footprint
- Test cycle time
- Handling time

Light-shielded environment

Compact cabinet construction

Supported Mobile Device Dimensions for Testing

- Max outer dimensions: 158.2 x 77.9 mm 6.23 x 3.07 in
- Display size: up to 5.7 in



Device Test Capabilities

RADI™ records all the test data which is available locally or can be uploaded to the customer’s system. Data is stored in a SQL database along with diagnostic information. Test results can be exported to customer-specific formats. The solution can perform tests of devices like those described below:

- | | | |
|----------------------|--------------------|---|
| • Audio (functional) | • Physical buttons | • Sensors (Ambient Light, Proximity, Accelerometer, Gyroscope, Magnetometer, Barometer, Heart Rate Monitor) |
| • Camera & Flash | • Video | • Connections (Audio plug 3.5mm, USB, USB-C) |
| • RF (connectivity) | • Display | |
| • Bluetooth/WLAN | • NFC | |
| • Touch/Force | • Vibration | |

No Sorting Required or Product-Specific Parts Needed, Handles Different Device Types

RADI™ provides a fully universal device under-test adaptation – no additional hardware parts are needed and the same test platform can be configured for various products with software only, which makes it ideal for high mix of products. No sorting is required as the solution handles multiple product types, and it can identify the correct device model type and apply the specified test procedure for each make and model.

Technical Details of RADI™ (Robot Automation Device Inspection) Test Platform:

- Platform dimensions: W 494 x L 743 / 835 x H 728 mm (W 19.5 x L 28.9 /32.87 x H 28.66 in)
- Weight: 87 kg / 191,8 lbs
- Operating temperature: 15 - 40° C (59 - 104° F)
- Power supply: 110/230 V, 50/60 Hz
- Compressed air: 6 bar, max 5 l/min (0.18 cfm)
- Control connectors: USB, Ethernet RJ45



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