

# test'n'ready<sup>robot</sup>

Quality for the mobile generation

## REDUCE YOUR TEST EFFORT UP TO 50%

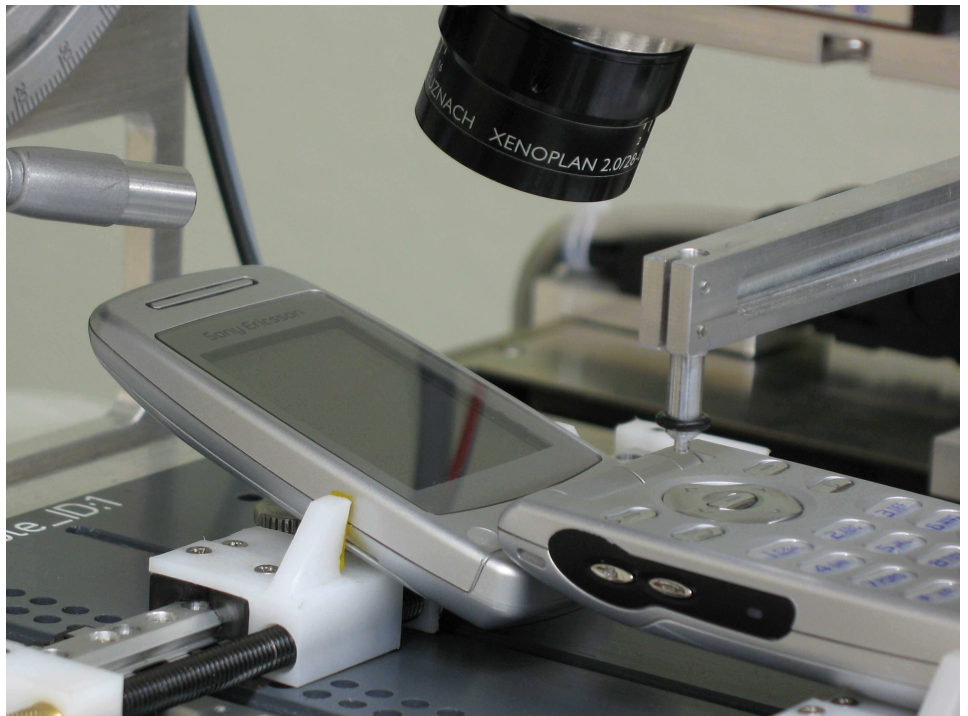
Measuring end-user experience is essential for manufacturers, network operators and content providers. Quality-assurance is a must before changes and enhancements of equipment, devices, software releases or applications are rolled out or integrated into the network. Due to shorter innovation cycles and increasing complexity of mobile systems the challenges involved in today's End2End testing have reached a prohibitive level. With test'n'ready's test automation concept, your challenge of testing devices against networks and your standards are reduced immensely.

### Key Features:

- Tests of all mobile phones and PDA types
- Non-intrusive tests using user's interfaces
- Intuitive programming of robust test cases
- OCR for all major languages
- Totally OS independent
- High scalability
- Interface to off-the-shelf test management tools
- Interoperability with other test and measurement tools from different vendors

### Key Applications:

- Functional and regression testing
- Branding conformance tests
- Service and feature testing
- Content testing
- Interoperability and performance testing
- End2End testing



### Your Benefits as manufacturer:

- Shorter test cycle time
- Shorter time to market
- Lower support effort

### Your Benefits as network operator:

- Faster type approval
- Shorter deployment time
- Higher customer satisfaction

### Your Benefits as content provider:

- Improved customer experience across many devices
- Increased market penetration
- Shorter time to market

### What is test'n'ready?

*test'n'ready* is a leading product line of test automation tools for mobile device, network and application testing. Based on its unique strategy, manual testing like pressing keys or loading software becomes obsolete. *test'n'ready* accesses each device interface directly as an end-user would do.

OS & platform independence combined with the extraction of the mobile device's LCD to your PC, KPI's are delivered exactly the way and end-user would see them. As a ready-to-go black-box test tool, *test'n'ready* addresses quality assurance teams, who have to minimize test cycles and costs as well as simultaneously increase test coverage.

It interacts with the system under test (SUT) via the mobile device to enable extensive End2End testing capabilities. Service, feature, content testing and bench-marking may be carried out in an efficient manner ensuring safe product roll-outs and positive customer experience.

With *test'n'ready* you gain the highest reusability of your test cases with minimal effort. You will also protect your investment in test assets while introducing the new mobile devices.

### test'n'ready robot

*test'n'ready robot* verifies the behavior of the device using its "eye", "finger" and "ear" just as testers or end-users would.

A mechanically driven robot handles all device keys usual on today's hand-sets, e.g. push-buttons, rocker switches, joysticks and touch-screens.

*test'n'ready robot* is equipped with a cradle that can accommodate any of the mobile devices currently available on the market today. Switching between different mobile models is very easy.

A camera records the user dialogue on mobile device's display and produces either single frames or videos, according to test sequence commands.

### Lab testing

*test'n'ready*'s housing may optionally be shielded against RF emissions to protect the device under test against interference from other wireless networks. An integrated antenna allows interoperability with a defined mobile wireless network – e.g. in a test lab network.



### Test Design

*test'n'ready* spans a powerful set of test tools, which enables you to design reliable and reusable test scenarios. Handling is intuitive and needs no essential programming knowledge.

*TestLogicEditor* is a versatile tool for automated test sequence creation and debugging.

*TestDescriptionLanguage* enables you to use built-in generic domain commands and create proprietary reusable test macros, which are interactively debugged and verified with the *DisplayViewer*.

The *Profiler* cleverly "learns" device menus, new words for OCR, AT versions, patterns and icons on different mobile handsets. It assists you by enormously reducing lead times for test case development and maintenance.

### Extensibility

An open architecture allows flexible customization to your needs:

- Integration in complex test configurations operating with test tools from other vendors.
- USB or Bluetooth interface to mobile device.
- Extension for the evaluation of audio and video features and services from users view.
- Functions for controlling external equipment, e.g. RF-switching matrix.

### Technical Data

Industrial PC:  
19", 4HU, 3 GHz Dual-Core,  
2GB RAM, 2 x 500GB Raid 1,  
WIN XP SP3 Multilanguage

Motor Control:  
3 X RS232 interface  
Maximum number of motor cycles  
(each motor) 100 Mio.

Camera:  
2048x2048 Pixel, RGB with fire wire  
interface

Shielded Box:  
Height: 19" /12 HU  
Depth: 600 mm  
RF Shielding:  
>50 dB @ 900-2500 MHz

System Rack:  
19" rack mounted on wheels, front  
glass door and rear metal door,  
800 mm x 800 mm x 1400 mm,  
24HU (WxDxH)

### Supported mobile devices

Maximum size:  
(W)115 x (L)185 x (H) 30 mm

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