

COMPACT RT

Product Overview

Seica meets the needs of the continuous driving market trend of Electronics PCBs miniaturization by launching the new COMPACT RT NEXT> SERIES, which is a fully automatic Rotary Table based system, ideal for medium/high volume production. The COMPACT RT, 450 mm wide, has been designed to provide immediate in-line robot integration to reduce the impact of DUT LOADING/UNLOADING times. In any case, the system can work in automatic mode (by robot/cobot) or manual mode (by operator). The rotary table gives the benefit to save the loading/unloading time: while the UUT is under test, the next UUT can be loaded in the empty slot. Due to its versatility and its modular design, different automated handling line concepts can be implemented: more systems can be aligned or can be placed in circle. The NEXT> SERIES is the new generation of Seica Systems featuring a renovated and sleek look thanks to the new materials of the chassis.



- Like any other Seica solution, the COMPACT RT NEXT> test system uses the NEXT> platform, whose main feature is the possibility to deliver the best integration of technology and easiness of use. It is possible to combine the following test solutions:
 - ICT (In Circuit Test): Open/Short, R/L/C, Diodes, Transistors, FETs, regulators, etc.
 - Functional testing
- This is possible thanks to the cutting-edge measurement system (based on ACL proprietary module) and to the VIVA management software. The ACL module contains the measurement and stimuli internal instruments. The DSP technology integrates all of the testing capabilities while enabling the fully-automated test execution. The user can deploy an intuitive graphical software conceived for compiling and running functional tests: Quick Test.



Characteristics

<p>RADIO FIXTURE IDENTIFIER OPTION (RFID)</p>	<ul style="list-style-type: none"> The machine features a Radio Fixture Identifier Option (RFID), which allows the automatic control through unique identification codes for the proper combination of fixture, Castle and test program in ICT automatic tester, preventing any possibility of error in the system setting.
<p>IN-LINE INTEGRATION: ROTARY TABLE</p>	<ul style="list-style-type: none"> The COMPACT RT has been designed to provide immediate in-line integration, since any element which made it incompatible with robotized lines from a mechanical point of view has been reduced. To ensure easiness of use and to facilitate the approach to DUT loading/unloading operations are available 2 modes of operation: With operator: the operator loads the UUT manually, and then the test sequence is executed automatically. With ROBOT / COBOT: the loading/unloading procedures are managed automatically by the ROBOT/COBOT, and then the test sequence is executed automatically.
<p>ROTARY TABLE and FIXTURE ADAPTER</p>	<ul style="list-style-type: none"> The rotary table concept satisfies the applications that require high throughput to reach the maximum productivity in an automatic in-line process. While the ROBOT/COBOT is loading one UUT, a second one is under test. The fixture adapter is a dedicated hardware customized for the specific product and can be easily interchanged for different devices. Moreover, the small sizes make the fixture handling easier for the operators and for storage purposes. Indeed the fixture storage costs are drastically reduced. The fixture-receiver interface blocks used are the configurable "Pylon™ connector units" that offer a strong reliable contact quality.

