



COMPACT NEXT> LINE

COMPACT RT NEXT>

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.



ATE RESOURCES – ICT AND FUNCTIONAL TESTING

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**.

IN-LINE INTEGRATION: ROTARY TABLE

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.

RADIO FIXTURE IDENTIFIER OPTION (RFID)

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.



VIVA NEXT is available in a 32 and 64 bit version with a new graphical interface and a guided environment for an easy and quick test program creation. It is fully integrated with NI-VISA drivers and with third-party test management software.



SEICA WORLDWIDE



SEICA SpA
via Kennedy 24
10019 Strambino - TO
ITALY
Tel: +39 0125 6368.11
Fax: +39 0125 6368.99
Email: sales@seica.com

PROXIMA S.r.l.

Email: info@proxima-ate.com



SEICA Inc.
Email: DavidSigillo@seicausa.com



SEICA FRANCE SARL
Email: stephane.dupoux@seica.fr



SEICA DEUTSCHLAND GmbH
Email: marc.schmuck@seica-de.com



SEICA ELECTRONICS (Suzhou) Co.Ltd.
Email: seicachina@seica.com

Seica reserves the right to change the technical specifications without notice

LabView™/TestStand™ are
National Instruments software

ROTARY TABLE and FIXTURE ADAPTER

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.

MAINTENANCE

The **COMPACT RT NEXT** has been designed in accordance with an easy maintenance concept, the machine features a fast connection/disconnection system from the line.

VIVA>NEXT> SOFTWARE AND MES INTEGRATION OPTION

Like any other **Seica** solution, the **COMPACT RT** test system, uses the **VIVA>NEXT>** platform, which provides two authentication methods managed through the Seica proprietary graphic editor **MY VIEW**: the standard Windows authentication and the new ‘**VIVA User Authentication**’ through which the customer can select the user with different privileges. Since the customer manages the production and material flow through the **MES software**, the Seica **COMPACT RT** can be connected to the customer MES (Manufacturing Execution System). Through its proprietary Adapter, Seica can integrate all customer MES platforms.

INDUSTRIAL MONITORING & INDUSTRY 4.0

The Information and technology needed to collect and analyze data, is key to the successful digitalization of the manufacturing process, which is at the heart of the **Industry 4.0** concept. Special attention needs to be given to energy savings and predictive monitoring of events. **Canavisia**, a **Seica Company**, introduces **ShoeBox**, a noninvasive control unit that allows to control energy consumption and to reduce costs and wastes through Monitoring of consumption, Data analysis, Intervention planning.

TECHNICAL TABLE

System Architecture	VIP Platform - Viva Next>
PC	Industrial PC – I5, Windows 10 64 bit configuration
Monitor	17 ” Touch screen integrated
ATE Available Slots	14
Analog channels scalability	Up to 640
Power Supply units (programmable in Voltage and Current)	Up to 6 power supply units: AP5: 0-6 V / 0-6 A; 0-18 V / 0-2 A; 0-18 V / 0-2 A and/or AP6: 0-6V / 0-6A; 0-30V / 0-1.2A; 0-30V / 0-1.2A
Functional test Capability	Yes
On-Board Programming Capability	Optional
Boundary Scan test	Optional
Fixture Receiver type	Electrical Press
Compressed air	No
UPS	External Integration
Barcode Reader	Optional, integrated into the fixture
Industry 4.0 ready	Yes
Dimensions (Width x Length x Height) (mm)	(450 x 1225 x 1480) mm ⁽¹⁾
Max UUT dimensions (X,Y) (mm)	(160 x 125) mm
Max UUT clearance (mm)	Top: 50 mm, Bottom: 30 mm
Power Supply	Power supply: 230 VAC -10% + 15% , (16 A) 50-60 Hz single phase
Absorbed Power	Max 1.5 kW
Operating temperature	23±5° C
RFID Identifier	Yes

¹ The height does not include the tower light