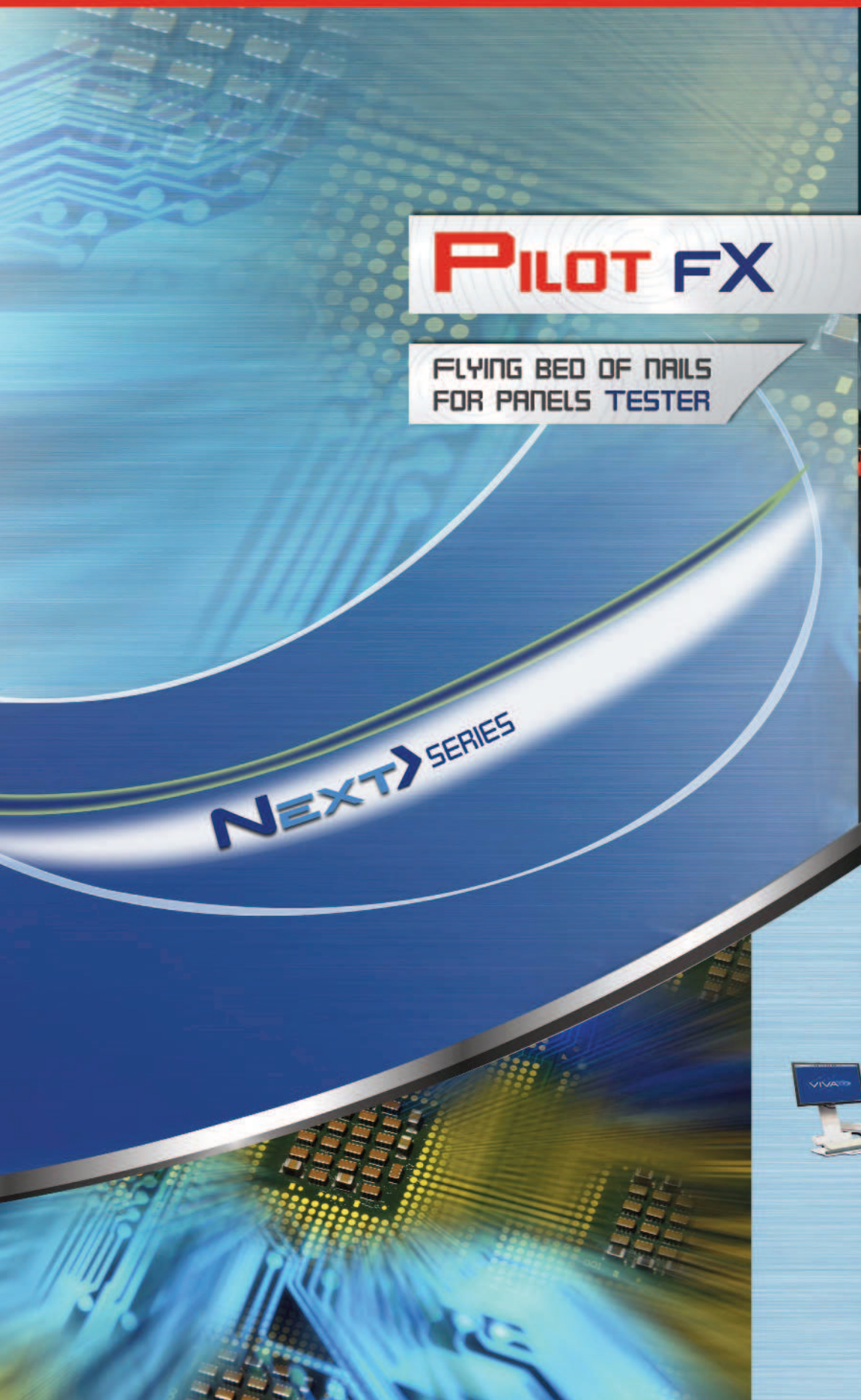
Seica
Test Solutions

PILOT FX

FLYING BED OF NAILS FOR PANELS TESTER

NEXT SERIES



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PILOT FX NEXT›SERIES

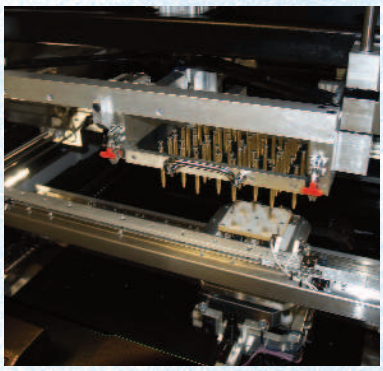
FLYING BED OF NAILS FOR PANELS TESTER

Following the winning philosophy which characterized its business in testing over three decades, based on the constant and rapid innovation of its testing solutions, Seica introduces the PILOT FX NEXT›SERIES.

PILOT FX NEXT›SERIES is the right compromise in productivity and flexibility, designed specifically to test panels.
Thanks to its revolutionary mechanical architecture, the system optimizes and shares test resources, including special, often costly, instrumentation.

This is the **new generation of stystems** featuring a renovated and sleek look thanks to the premium materials of the chassis, and innovative electrical worth discovering performances.

The PILOT FX NEXT›SERIES platform revolutionizes in-circuit and functional panel test, bridging the gap between Bed of Nails and Flying Probe test.



A "FLYING" BED OF NAILS FOR PANELS

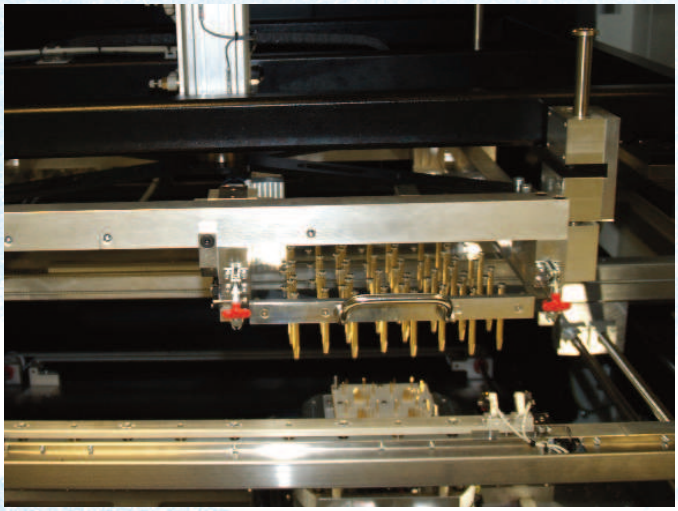
The PILOT FX NEXT›SERIES system provides the capability to share test resources, moving a small, low-cost fixture from one board to another, effectively eliminating the need to duplicate them in a traditional system.
The mechanical architecture of the system allows the test head, which carries the fixture, to rotate and move in X and Y in order to accommodate any configuration of panel layout. The PILOT FX NEXT›SERIES is fully implementable in an automated production line, making it an innovative and efficient part of the test process.
The PILOT FX NEXT›SERIESsystem features all of the core performances and benefits of the **Seica VIP** test platform, including hardware and software scalability.

INDUSTRY 4.0

Information and the 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.
The PILOT FX NEXT›SERIES has all of the capabilities needed for implementation in any **Factory 4.0** scenario, providing the possibility to plug in any proprietary or third party information system to achieve the desired goals.

TRACEABILITY

The PILOT FX NEXT Series uses a state-of-the-art color camera which, in addition to fiducial centering, is able to acquire the serial number of each single board within the panel. An integrated marker is available to mark the tested boards, according to user-defined rules. Thanks to Seica's wide experience in high-volume production test, the VIVA test software is able to communicate with external databases, enabling full integration of the PILOT FX NEXT Series system into the user's own production management environment.

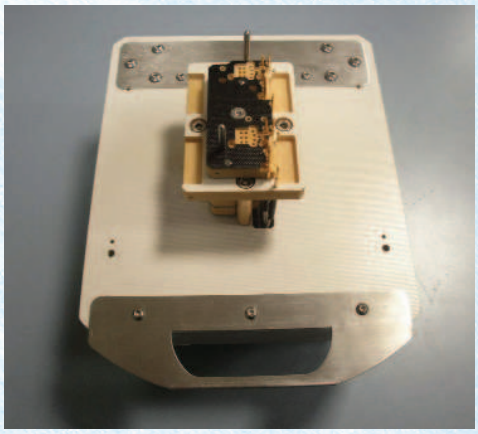


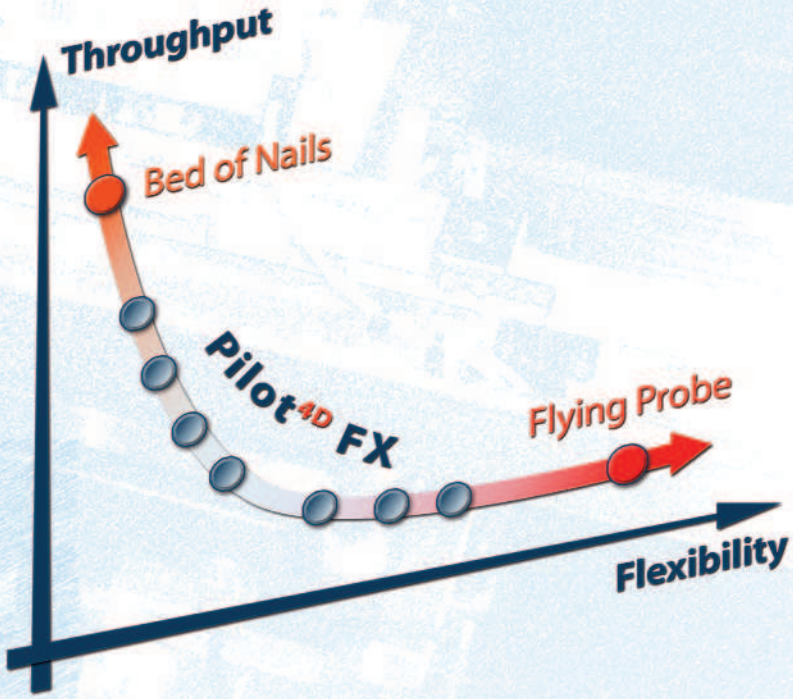
SCALABILITY

The PILOT FX NEXT Series has a 19" rack for the integration of external instrumentation, ensuring resource scalability for new applications.
The integration of dedicated OBP programming modules, sensors for LED test applications, Boundary Scan test, and communication management via standard protocols (for example: CAN, BUS, LIN), are only some of the possible capabilities that can be implemented.

FULL PANEL TEST AT THE COST OF A SINGLE BOARD TEST

PILOT FX NEXT Series is not only about resource optimization, or innovation (there is nothing similar on the market today) or automating test; it is, above all, a breakthrough in test philosophy.





All the PILOT NEXT Series testers feature the Industrial Monitoring solution "4.0 ready" by Seica, to monitor current absorption, supply voltage, temperature, light indicators and other parameters useful to indicate the correct operation, to ensure predictive maintenance and make the systems compatible with the new standards of the fourth industrial revolution ongoing nowadays.

Global Support Network

Thanks to the global extension of Seica and its subsidiaries, Seica can ensure local service support wherever the customer needs it, in addition to 24-hour telephone assistance.

PILOT FX NEXT Series

Max. number of channels	128
Fixture dimensions	12x12 cm or 21x21 cm
Rotation of the fixture head	270°
Vision system	Color camera
Board locking system	Automatic
Panel dimensions	Minimum: 100 x 50 mm (4 x 2 in.)
Maximum:	610 x 540 mm (23 x 17 in.)
Board thickness	0.8 - 7.0 mm (0.033 - 0.28 in.)
Board weight (max.)	8 Kg (17.64 lbs.)
Max. component height on top side	100 mm (3.9 in.)
Max. component height on bottom side	40 mm (1.57 in.)
UUT edge clearance	3 mm
Board loading	Horizontal, with SMEMA conveyor
System power	230 V 50 Hz 12 A
Air flow	Min. 3.5 bar 60 l/min
Dimensions (W x D x H)	170 x 180 x 175 cm
Weight	1300 kg

Seica reserves the right to change any technical specifications without notice

NEXT Series

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