



Voyantic

Ensurance™

Smart Tag Personalization Anywhere



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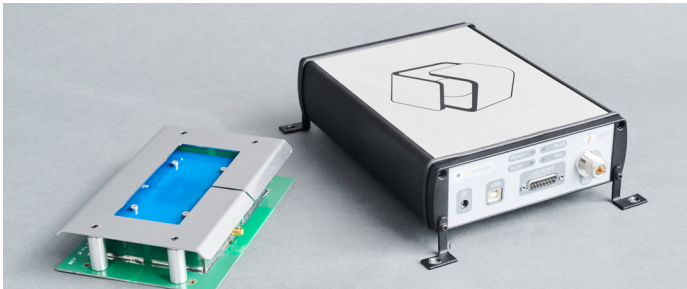
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Ensurance™ for smart label production

Voyantic Ensurance is a solution for personalizing RAIN RFID and NFC tags in any tag manufacturing machine. It enables efficient processing of labels in smart label production and is easy to integrate as a part of your production system.

Standardized I/O-signaling interface and single software operation make integration on new machines simple. The transferrable integration kit provides a cost-efficient retrofitting option. Ensurance is also available as a turn-key solution with Reelsurance Pro, which enables label encoding and performance testing, variable data printing, and barcode-based programming of the tag memory in a single office-size machine.



NFC Encoder and Snoop Pro antenna



RAIN RFID Encoder (Zebra FX7500, customized)



Performance testing



1D/2D code reading, variable data printing

Key Functionalities

Ensurance software package includes

- Tools for creating personalization recipes and configuration of process devices
- Efficient software engine for managing devices and in-process dataflow
- Simplified graphical operator interface with basic statistics for process monitoring

Processing capabilities

- Barcode reading and barcode-based encoding
- NFC label testing and/or encoding
- RAIN RFID label testing and/or encoding
- Bad label marking
- Variable data printing

Different data flows and conversions are supported

- Fixed or incremental data
- Data inputted from file
- Data transferred between devices with formats converted in between. E.g. read barcode, convert code to EPC and encode as 96 bit EPC.

Comprehensive log file includes

- Time stamp and index number for each tag
- All read, encoded or printed data
- All test results
- Pass/fail information.

Benefits

- Single solution to manage all process steps, including NFC and RAIN RFID in the same system
- Simple machine integration and various application options to make a good fit for your production process
- Reliable operation and easy-to-use software
- Professional support and training services available
- Suitable for high-speed operation and scalable to meet the requirements for increasing production volumes.

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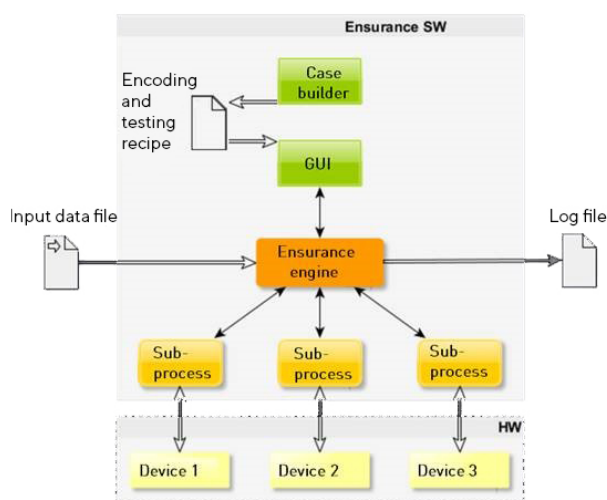
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Machine Integration

- Machine integration enables use of the system through machine controls, with full integration the system works automatically with different lane speeds
- The single solution covers both RAIN RFID and NFC applications and Ensurance software enables easy configuration and operation of the personalization system
- Standard delivery kit includes Ensurance software, RAIN RFID or NFC encoder or tester, and basic accessories such as antennas
- Logic control I/O-signaling for the process devices provided through standardized, optoisolated, 5-24V compliant, 3-pin signaling interface.



Ensurance architecture is designed for machine integration

Transferable Setup for DIY Installation

- The Ensurance transferable setup is a complete system that can be mounted to a machine, making a simple, cost-efficient option for retrofitting projects
- The setup package includes optical trigger sensors, logic controller, tester or encoder with antenna, and a mount for the entire system
- The transferable setup is available with or without a bad tag marker, and with or without a barcode reader.



Transferable Setup is an adjustable accessory kit for retrofitting the Ensurance

Reelsurance Pro

- Reelsurance Pro is an office-size reel-to-reel machine for testing and personalizing smart labels
- Reelsurance Pro can be provided with Ensurance and delivered with a combination of barcode reader, NFC tester, NFC encoder, RAIN RFID tester, RAIN RFID encoder, bad tag marker or variable data printer to enable smart label personalization in the machine
- Can be used to dispense correct label quantities
- Can be used to fix rolls with stopping when a tag fails or is missing from the liner.



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Voyantic solutions are designed to speed up development, improve production quality, and increase sales of RFID technology. We have a proven track record with hundreds of solutions delivered to more than 30 countries around the globe. We continuously invest in R&D and improve the technology. Our distributor network brings our products & support to customers worldwide.



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