

FOR IMMEDIATE RELEASE

Rosas Maschinenbau introduces new RFID label converting and serialization solution

DIEDORF, Germany (November 3, 2023) – [Rosas Maschinenbau](#), a German manufacturer of customised rewinder and inspection machines has introduced a new RFID label converting and serialization line. The modular solution features Rosas' Gazelle bidirectional rewinder with serialization printing, Bumble Bee RFID inserter, Rosas' Leopard 300 rewinder with UHF RFID and NFC serialization, Lake Image System's Discovery RFID solution, and Infinity print inspection system.

The solution can encode UHF and HF tags based on information from the database or synchronize with printed serialization codes read by the camera before (barcode, QR code, data matrix, or OCR). This ensures the visual and code inside the RFID tag matches.

First step of the solution is imprinting codes and inserting RFID tags on the Gazelle rewinder with a 90-degree inserting option.

Step two takes place on the Leopard 300 rewinder with Lake Image's Discovery RFID serialization suite to encode UHF and NFC/HF tags from a file or the Infinity inspection camera, decoding UHF and NFC to file (logging), sequence check to master file, and check for double encoding to a master file.

The camera with UHF encoding can reach high speeds up to 40 m/min (depending to data) or 25000 Tags per hour and up to 20 m/min or 12500 Tags per hour with NFC encoding. UHF decoding up to 50 m/min or 35000 Tags per hour and NFC decoding up to 40 m/min or 25000 Tags per hour. A database matches the camera verifier and RFID read.



Sensor station



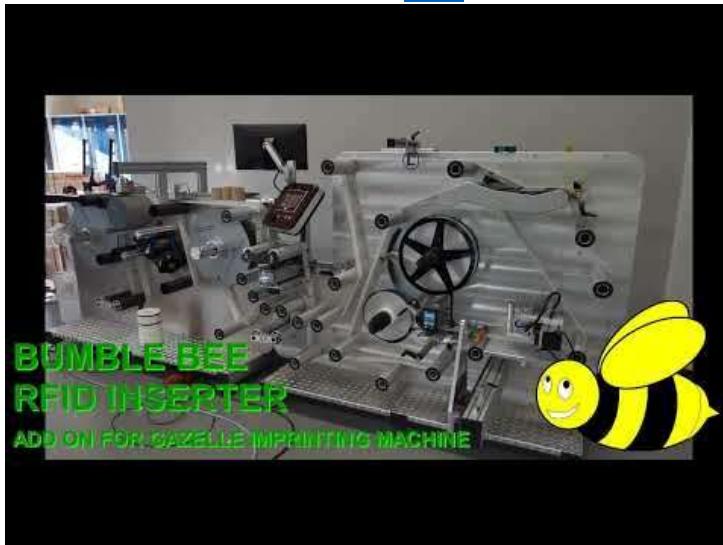
Gazelle rewinder

-more-

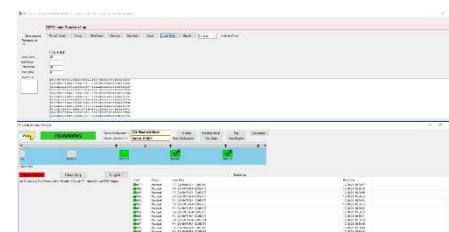
“With this new solution, we offer a powerful full suite for RFID label serialization and testing,” said David Rosas Wolf, Managing Partner of Rosas Maschinenbau. “Rosas has specialized in customised RFID decoding and encoding solutions for many years including high-frequency, ultra-high frequency, and near-field communication with read/write and database synchronisation in combination with optical vision systems. We welcome the opportunity to work with printers for customized solutions in RFID label converting and serialization.”

Rosas’ new RFID label converting and serialization solution was demonstrated on their stand at Labelexpo Europe 2023.

Watch a video of Rosas’ new RFID label converting and serialization solution below or [here](#).



Leopard 300 rewinder-RFID



Track and match

About Rosas Maschinenbau GmbH

Rosas Maschinenbau is a second-generation German family business that specialises in the manufacture of customised high-performance tabletop rewinder and inspection machines. Our strong customer focused mindset and flexibility enables special, short-term, client-specific solutions.

We provide specialized printing and converting machines and units for label/forms printers, mail producers, as well as paper and film converters—for new installations and retrofitting existing production machinery.

As a smaller company, we have short decision paths with very fast response times.

Our service doesn't stop after delivery.
www.rosas-maschinenbau.de

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