

# FACT SHEET



## DISCOVERY RFID

Inline RFID read, encode with inkjet printing & verify for high speed RFID Smart labels & Tag production

## PRODUCT OVERVIEW

Introducing DISCOVERY RFID, a revolutionary solution that elevates RFID label production to new standards of efficiency and accuracy. Seamlessly integrated into your RFID Inlay converting or rewinder equipment, DISCOVERY RFID empowers printers and converters to efficiently manufacture fully inlaid RFID labels and tags, offering advanced capabilities such as variable data encoding, synchronized inkjet label printing, and built-in error verification.

### Key Features:

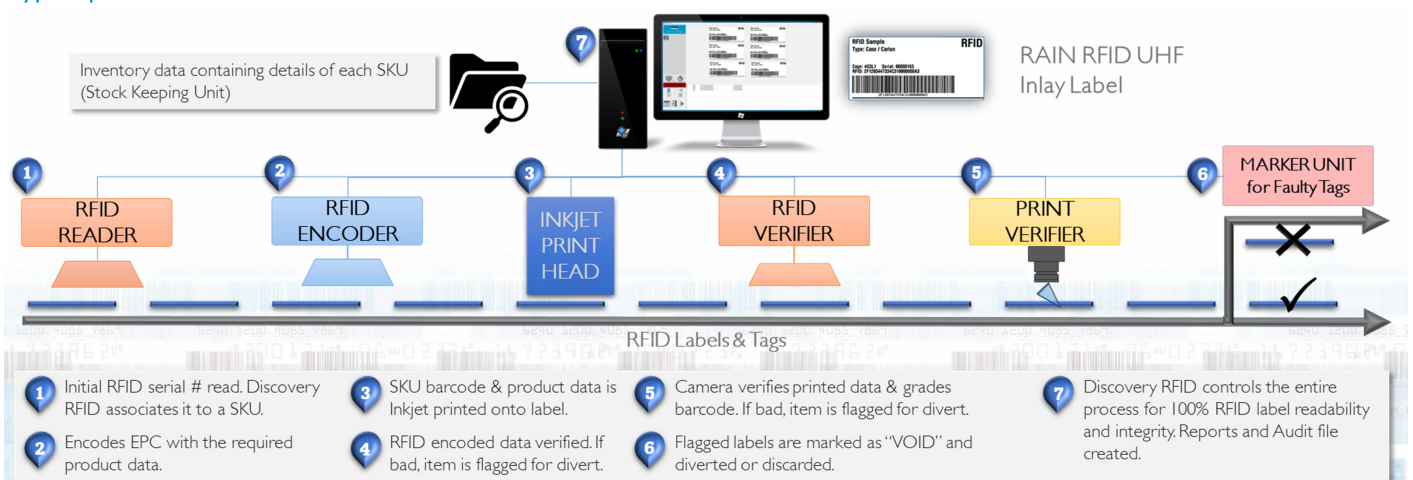
- **Integration Excellence:** DISCOVERY RFID seamlessly integrates into your existing RFID Inlay converting or rewinder equipment, ensuring real-time, single-pass RFID reading and encoding. Combined with inline inkjet label printing, tracking, and camera verification, this system guarantees a streamlined, efficient production process.
- **Real-Time RFID Reading and Encoding:** DISCOVERY RFID provides real-time, single-pass RFID reading and encoding capabilities eliminating the need for multiple passes, enhancing the efficiency and accuracy.
- **Optional Inline Inkjet Label Printing:** The system is synchronized with an inkjet label printer, ensuring that labels are produced with precision and consistency.
- **Optional Camera Verification:** DISCOVERY RFID includes an optional camera verification feature, ensuring that the printed data is legible, accurate, and matches the information encoded on the RFID chip.
- **Support for NFC and UHF RFID Inlay Labels and Tags:** DISCOVERY RFID supports both NFC (Near Field Communication) and UHF (Ultra High Frequency) RFID inlay labels and tags, providing versatility for various applications.



DISCOVERY RFID is a game-changer for businesses seeking to increase RFID production efficiency, reduce costs, and enhance data accuracy and security.

[Contact us today](#) and discover how DISCOVERY RFID can transform your operations, providing a competitive edge in your industry.

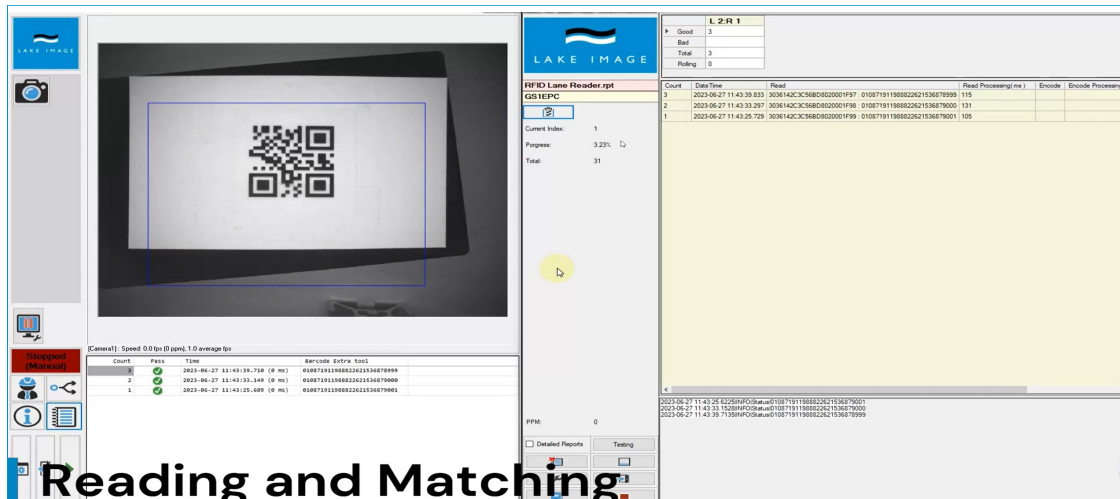
### Typical process workflow:



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LAKE IMAGE



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## Reading and Matching

### FEATURES:

#### Modes of operation

- Read and check.
- Read and Duplicate check.
- Read check and encode from file.
- Encode from file only.
- Encode sequentially as well as non-sequentially.
- RFID read and match with camera read.
- Encode RFID from camera read.

#### UHF

- 4 antennas, fast (10ms-15ms read speed), RSSI filtering & Ethernet connection. USB Connection.
- Reading: Can read 12-character EPC data & whole TID Supports RAIN RFID GSI-coded, Standard ISO 18000-63, and ECPglobal Gen2v2.
- Encoding: Can encode 12-character EPC data & whole TID. Supports RAIN RFID GSI-coded, Standard ISO 18000-63, and ECPglobal Gen2v2.

#### NFC

- ID CPR74, USB connection.
- Reading: Supports various NFC tag types, including ISO 18000-3M3, and ISO 15693, ISO. TID (ISO 14443).
- Encoding: Supports ISO15693\_NXP\_ICODE\_SLIX (AFI & DSFI), TID (ISO 14443).

#### Optional Print Verification

- Text / OCR : Full Alphanumeric font trainable by system operator.
- ID & 2D Barcodes: Support a wide range of Barcodes.
- Various cameras and lighting available.
- Optional IMB and OCV (Optical Character Verification).
- Optional Sequence Audit checking.

#### Equipment Control

- Supports single & multi-lane labels & tags support with same RFID type (NFC or UHF).
- On-screen live display of defects
- Single & multizone tracking - optional.
- Control on error: Marking/Divert/Stop - optional.
- Operator Light & Audible Alarms/Warnings - optional.
- Marking & flagging device - optional.

#### SYSTEM

- *Fully integrated* unit - includes RFID readers, RFID encoders, a PC running DISCOVERY RFID software tools on a MS Windows 10™ platform.
- Optional System for Print Verification with Cameras, lighting and DISCOVERY Multiscan3.
- Optional Inkjet Printing System for in-line variable data printing with file/DB integration.
- Full error and audit report generation.

#### Installation / Integration

- Full configuration, installation & integration.
- Documentation, remote technical support and training.

### ADVANTAGES

- **Competitively priced** - An intelligent RFID Read, Encode with verification solution at an affordable level price.
- **Machine independent** - Seamlessly integrates with third-party processing equipment, including label rewinders, web & cut-sheet printers & transports.
- **Reliable** - 100% RFID write, verification & control.
- **User-Friendly** - Faster set-up & logical GUI layout.
- **Supported** - Comprehensive maintenance contracts featuring remote diagnostics.

### BENEFITS

- **Improved Productivity** - streamline operations with reading & encoding with real-time error checking.
- **Enhance Data Accuracy** - Ensure RFID-encoded data precisely matches the printed information on labels, eliminating errors & discrepancies.
- **Less Scrap / Less Waste** - Immediately prevent costly scrapping of large runs of defective RFID label & tag production.
- **Mitigate risks** - Ensure all jobs comply with customer requirements & government regulations.