

*Manufacturer of High-Speed RFID Encoding, Digital
Printing and AI Quality Inspection Equipment;
IoT RFID Industry 4.0 Intelligent Production and
Traceability Solution Provider*



联点科技
LINK-POINT

Shanghai Link-Point Information Technology Co., Ltd.

www.link-point.com



上海联点信息科技有限公司

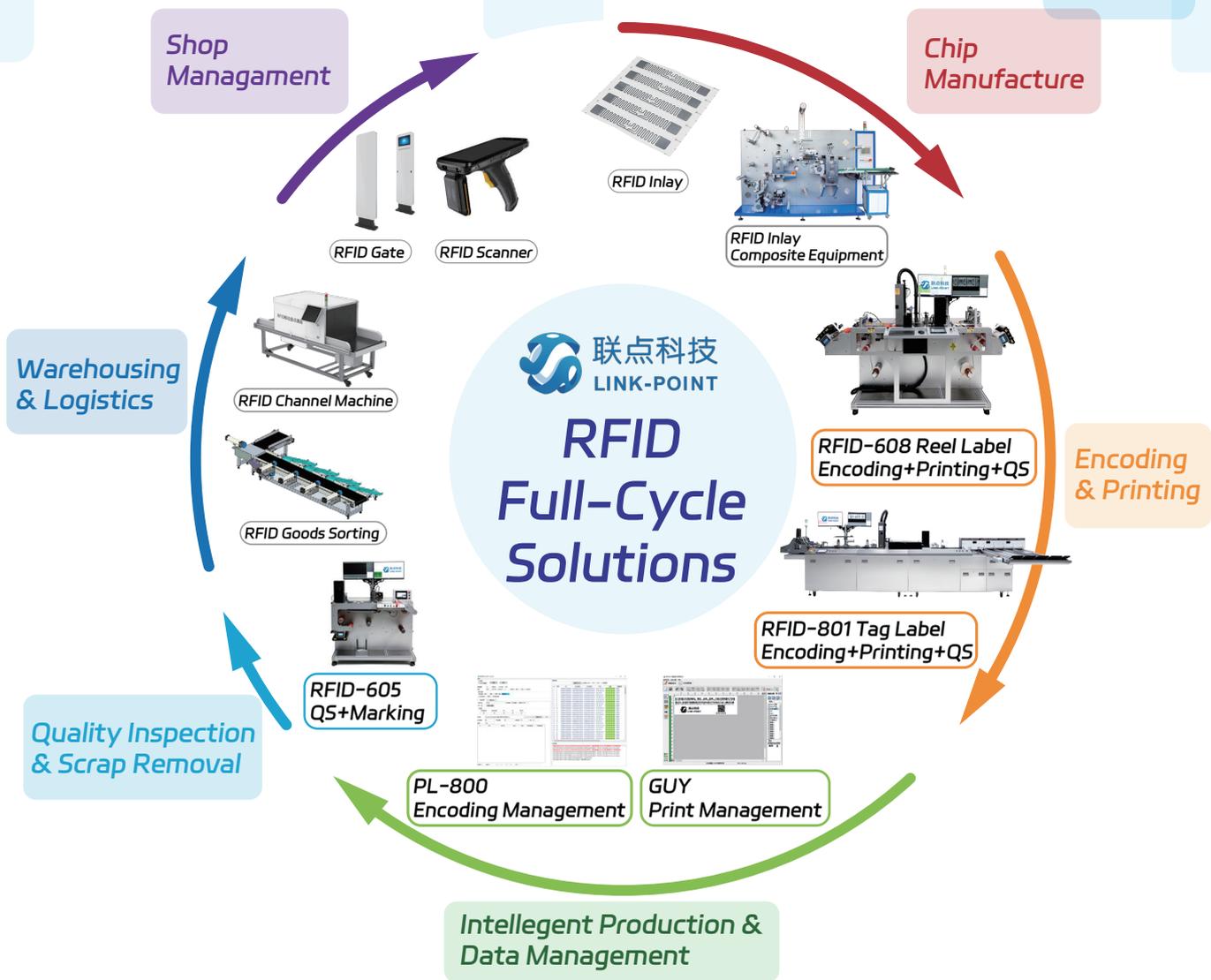
Shanghai Link-Point Information Technology Co., Ltd

Shanghai Link-Point Information Technology Co., Ltd. is a national high-tech enterprise, specializing in the research and development and integration of IoT RFID intelligent production equipment, intelligent packaging and traceability systems, providing full-process solutions from RFID high-speed coding, UV digital printing to visual quality inspection and intelligent packaging.

Link-Point has an experienced software and hardware development team, which can customize equipment and services according to customer processes, and the available fields of equipment cover clothing, medicine, logistics and other industries, realizing the seamless connection of Industry 4.0/MES.

The company has passed ISO9001 certification, won a number of software copyrights and IOTE gold awards, and adheres to the concept of "integrity, enterprising, and innovation" to provide efficient and stable one-stop intelligent production services.





Link-Point RFID & UV-LED Intelligent Production Equipments are widely applicable on various material surfaces!



RFID Card Tags



RFID Reel Tags

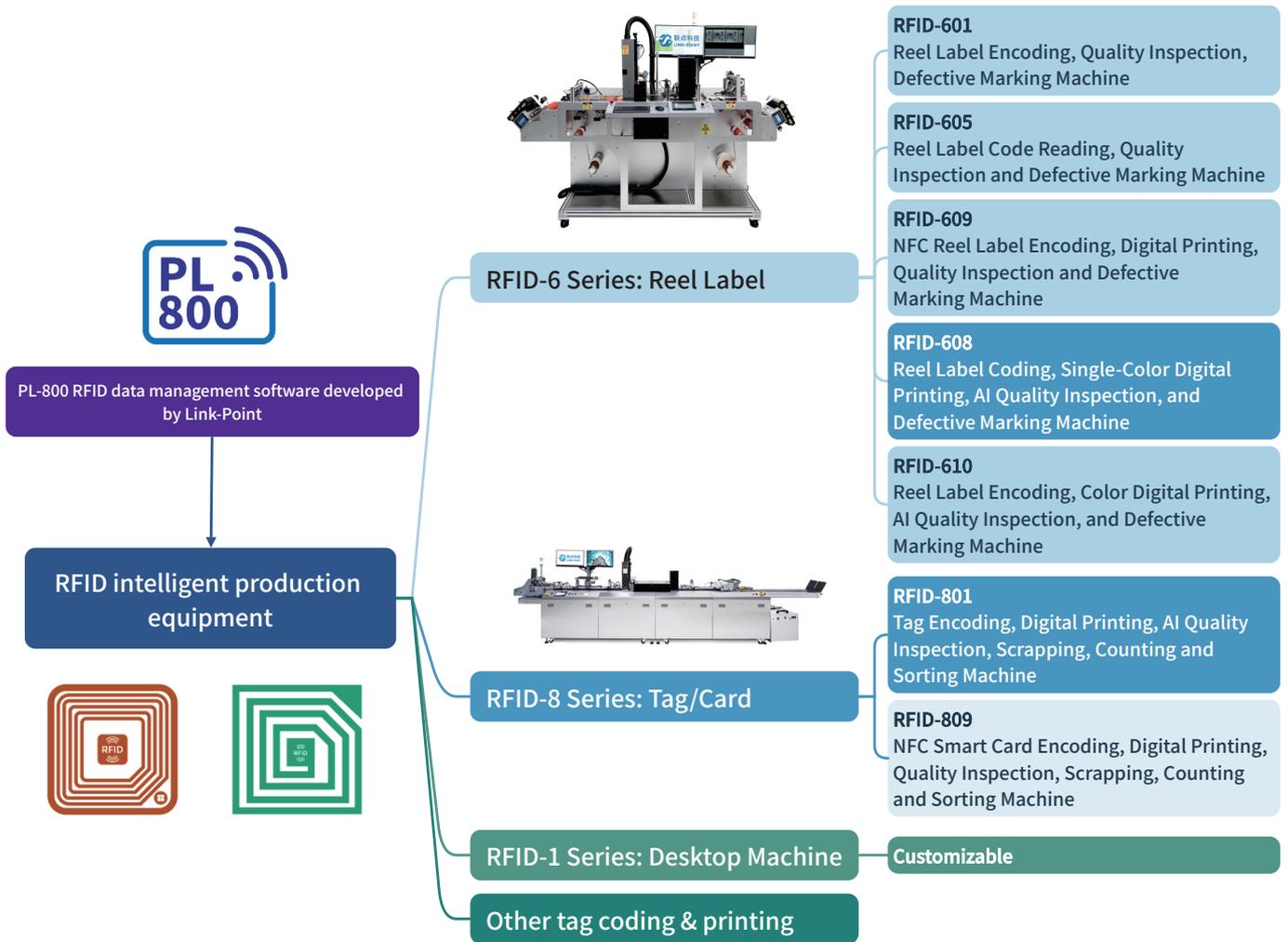


Wash Labels and Ribbons



Films (PET, PP, PVC, etc.)

RFID Series: RFID Label Intelligent Production Equipments



RFID-801C

Tag Encoding, Digital Printing, AI Quality Inspection, Scrapping, Counting and Sorting Machine



Main Functions

Tag RFID Encoding + UV Digital Printing + AI Visual Inspection + Scrap Removal + Auto-replenishment + Sorting and Stacking

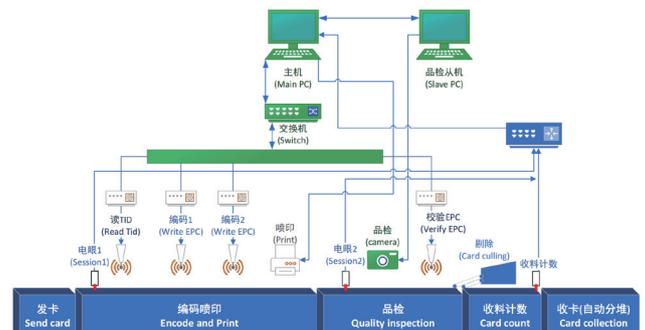
Main functions and advantages:

Meets the production needs of multiple styles with small quantities

1. The PL-800 management software can automatically monitor and control equipment, including feeding, high-speed RFID coding, UV digital printing, AI quality inspection, defective product rejection, automatic replenishment, batch/type sorting, label printing, and other functions, reducing manual intervention and improving single-machine data management and production efficiency.
2. Supports integration with the user's MES system, automatically completing data download and upload;
3. Modular hardware and software configuration allows customisation of equipment according to customer needs, meeting requirements for personalised functional module configurations;
4. Wide applicability, supporting normal production of hangtags ranging from 28 to 200 mm in size, with low requirements for material surface coatings, enabling a single machine to address most label production needs;
5. Optional high-speed vision inspection module, real-time AI inspection, automatic modelling, resolving issues such as printing line breaks, missed prints, and misprints;
6. Detects and records based on pre-set RSSI values, and handles non-conforming products outside the specified range;
7. Automatically compensates for non-conforming products upon task completion, and prints order information labels after compensation is completed.

Main Specifications

Machine model:	RFID-801
Running Printing Speed:	10-100m/min
Material width:	28-200mm
Power/voltage:	6.0Kw/220VAC
Jet printing width:	54/108MM
RFID encoding speed:	1-15 per second
Machine Size:	L 6200mm *W 1300mm *H 1800mm



上海联点RFID单张方案示意图
Shanghai Point-Link RFID-Card solution schematic

RFID-801CF

Tag Encoding, Digital Printing, AI Quality Inspection, Scrapping, 4-channel Counting and Sorting Machine



Key Function and Advantages: 4 channel sorting and stacking

1. The PL-800 software enables automatic detection and control of equipment, reducing manual intervention and improving efficiency;
2. Can integrate with the user's MES system to automatically download and upload data;
3. Modular 4-channel hardware configuration for convenient batching and sorting;
4. Supports the production of labels ranging from 50-250mm in length and 30mm-150mm in width;
5. Equipped with an AI quality inspection camera to address issues such as broken lines and misprints, enabling automatic rejection and replenishment.

RFID-801DS

Tag Encoding, Digital Printing, AI Quality Inspection, Scrapping, short 2-channel Counting and Sorting Machine



Key features and advantages: Economical short dual-channel design reduces space requirements and efficiently completes sorting and payment tasks.

*The RFID-801 series offers a variety of customisation options.
Please contact us for more information!*

RFID-608

Reel Label Coding, Single-Color Digital Printing, AI Quality Inspection, and Defective Marking Machine

RFID-610

Reel Label Coding, Color Digital Printing, AI Quality Inspection, and Defective Marking Machine

Applications

Reel RFID tags, clothes tags, wash labels, air freight labels, medical labels, cosmetics, food labels, electrical appliance labels, etc.

Main Functions

RFID Encoding + UV Digital Printing +
Auto Web Guiding + AI Visual Quality Inspection +
AI Code Quality Inspection + Defective Marking
+ Auto-replenishment

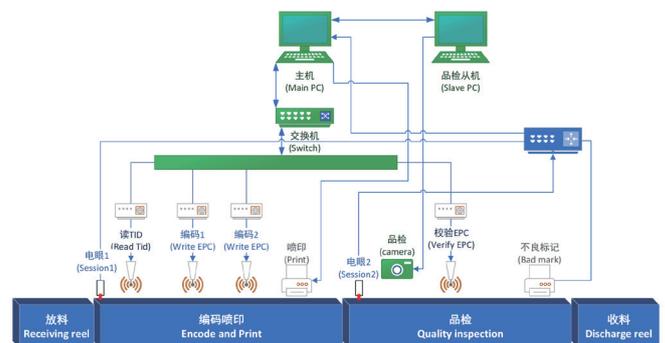


Main Advantages

1. The PL-800 management software can automatically monitor and control equipment, including feeding, high-speed RFID encoding, colour digital UV printing, AI quality inspection, defective product identification, automatic forward/reverse rotation, counting, and material collection, reducing manual intervention and improving single-machine data management and production efficiency.
2. It has broad applicability, supporting normal production of labels approximately 10 mm wide (in the pitch direction), with low requirements for material surface coatings, and a single device can meet most label production needs;
3. The independently developed high-precision tension control system + forward/reverse rotation alignment positioning system enables automatic label reversal and positioning after shutdown and startup, achieving fast and precise printing and alignment;
4. Optional high-speed colour management module enables high-speed RIP processing. After adjusting print colour differences, it automatically re-RIPs and processes data with a single click, enabling real-time rapid file printing. RIP speed 20 pieces per second, eliminating the need for re-RIP and waiting, significantly improving production efficiency;
5. Optional high-speed visual inspection module, real-time AI inspection, automatic modelling, resolving issues such as print line breaks, missed prints, and misprints in printing quality.

Main Parameters

Machine model:	RFID-608/610
Printing Speed:	0-50m/min
Material Width:	30-200mm
Applicable Nozzle:	Ricoh G5(default)/G6/Kyocera RH
Jet printing width:	54mm/upgrade to 108mm
Print Resolution:	600-1200DPI
RFID-608 Colour:	single colour
RFID-610 Colour:	Full Colour (CMYK)
Ink Type:	LED curing UV ink
Visual Inspection:	OCR 1.3 megapixel Or 2K linear scan
RFID Encoding Speed:	1-15 per second
Machine Size:	L 2600mm * W 1300mm * H 1900mm



上海联点RFID卷对卷方案示意图
Shanghai Point-Link RFID roll to roll solution schematic

RFID-601

Reel Label Encoding, Quality Inspection, Defective Marking Machine

Applications

Encoding and QS of RFID Chips

Corresponds Chip & Printed Information

Working Mode

RFID Reel Label Encoding

+ QS+ Defective Marking

Main Advantages

Supports roll RFID tags with pre-printed variable barcode information. Scanning the barcode to retrieve the corresponding EPC data from the database, perform high-speed encoding, internal and external verification, and print defect labels. The software supports data processing for automatic rewinding after stop, and saves production records to Database.



RFID-605

Reel Label Quality Inspection and Defective Marking Machine

Applications

Quality Inspection of Reel RFID Tag Code and Print

Working Mode

RFID Reel Label Chip Reading and Inspection +

Auto Web Guiding + AI Visual Quality Inspection + Defective Marking

Main Advantages

1. Feeding device, alignment device, optical sensor tracking and positioning + Keyence OCR high-speed camera scanning to identify defective products, stopping at the visual defective product replacement area 1
2. After label replacement, the RFID reader reads and records the RFID information. When a defective product is detected, it stops at the coded defective product replacement area
3. After label replacement, the equipment is activated, and the replaced labels are automatically reversed and stopped in front of the RFID reader for quality inspection. The RFID information is read, recorded in sequence, and the materials are collected.



RFID-609

NFC Reel Label Encoding, Digital Printing, AI Quality Inspection, Defective Marking Machine

Applications

NFC Reel Label and Tags

Working Mode

NFC Reel Label Encoding + UV Digital Printing + AI Quality Inspection + Defective Marking + Auto-Replenishment

RFID-809

NFC Tag Label Encoding, Digital Printing, AI Quality Inspection, Scrap Removal Machine

Applications

Transportation cards, admission tickets, smart cards, game cards, ETC cards

Working Mode

NFC Smart Card Encoding
+ UV Digital Printing + AI Quality Inspection
+ Scrap Removal + Auto-replenishment



RFID-A7000 Plus

RFID Multi-function Laminator Machine

Applications

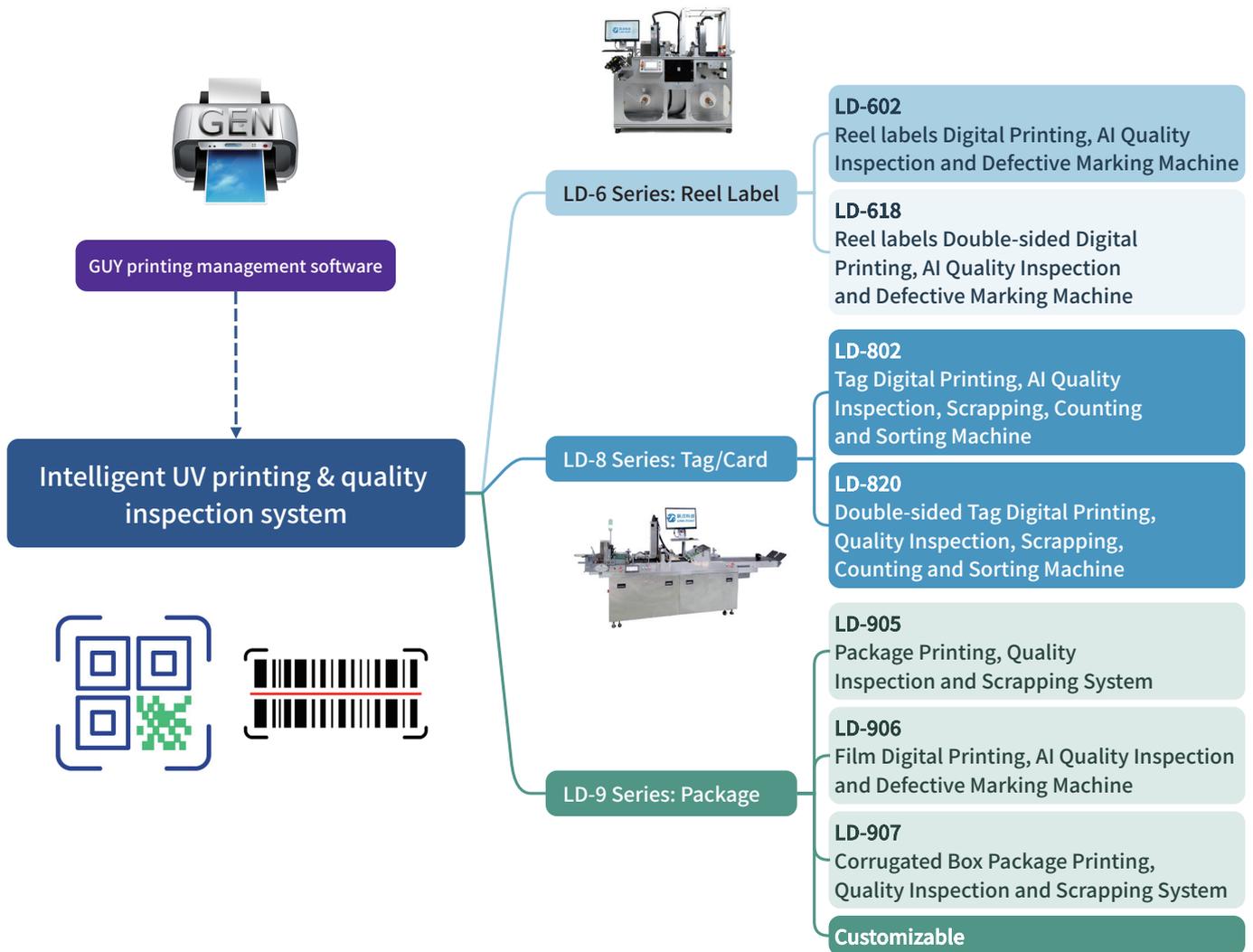
RFID fragile anti-counterfeiting labels,
RFID clothing wash labels,
RFID wristbands, RFID airline luggage tags,
RFID clothes tags and RFID adhesive labels

Working Mode

Dry Inlay Transfer + Wet Inlay Transfer
+ Gluing + Cutting



LD Series: Intelligent Inkjet Printing Production Equipment



LD-802

Tag Digital Printing, AI Quality Inspection, Scrap Removal, Counting, Sorting and Stacking Machine

Main Functions

High-speed Variable Digital Printing (up to 100m/min) + AI Visual Inspection + Scrap Removal + Auto-replenishment + Sorting and Stacking

Main Advantages

1. Automatically monitors and controls equipment, improving data management and production efficiency;
2. The GUY software automatically reads CSV and other types of data tables, automatically generates barcodes and QR codes, and embeds them into layouts, efficiently integrating with enterprise databases;
3. Highly versatile, supporting the normal production of hangtags ranging from 28 to 200 mm in size;
4. Automatically replenish for defective products upon completion of production tasks.

Machine model	LD-802
Running Printing Speed	10-100m/min
Applicable printing materials	Various paper, plastic,PVC/PP/PE film, etc.
Material width	28-200mm
Power/voltage	6.0Kw/220VAC
Nozzle:	Industrial nozzle
Resolution	Fixed resolution 600dpi Horizontal
Jet printing width	54/108MM
Type of print file supported	Support more than 100 kinds of text, pictures, PDF files, 1D barcodes, QR codes, etc. (special symbology can be customized and developed)
Machine Size	L 4500mm * W 900mm * H 1700mm



LD-820

Tag Double-Side Digital Printing, AI Quality Inspection, Scrap Removal, Counting, Sorting and Stacking Machine

Main Functions

High-speed Variable Double-Side Digital Printing
 + AI Visual Inspection
 + Scrap Removal
 + Auto-replenishment
 + Sorting and Stacking



LD-602

Reel Label Digital Printing, AI Quality Inspection, Defective Marking Machine

Working Mode

- High-Speed Reel Digital Printing (up to 100m/min)
- + AI Visual Inspection + Defective Marking
- + Auto-replenishment



LD-618

Reel Label **Double-Side** Digital Printing, AI Quality Inspection, Defective Marking Machine

Working Mode

- High-Speed Double-Side Digital Printing
- + AI Visual Inspection + Defective Marking
- + Auto-replenishment



LD-905

Package Printing, Quality Inspection and Scrapping System



LD-906

Film Digital Printing, AI Quality Inspection and Defective Marking Machine



LD-907

Corrugated Box Package Printing, Quality Inspection and Scrapping System



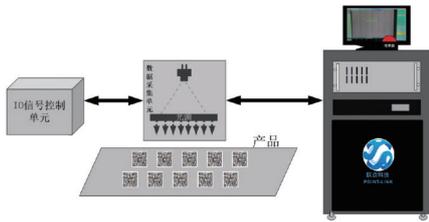
Our intelligent package encoding and printing system can be customised according to your needs!

Link-Point AI Quality Inspection System

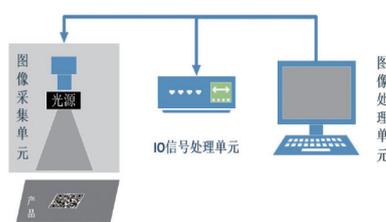
Link-Point's self-developed AI Visual Inspection System is capable of detecting:

1. Barcode, QR code, text and data association correspondence;
2. Blank codes and printing defects of barcodes and QR codes;
3. Defects of the printed pattern, such as paste, dirt, missing, offset, etc.

Automatically realize the full inspection of product label information, logo, barcode and other printing information during printing, eliminating defective products.



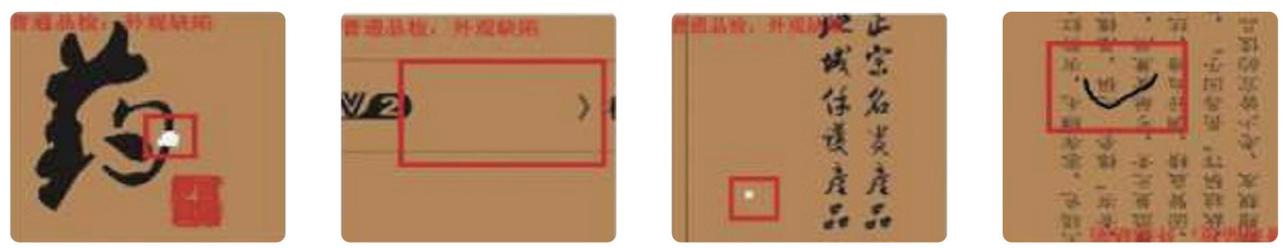
Linear Scan Camera Inspection System



Aera Scan Camera Inspection System

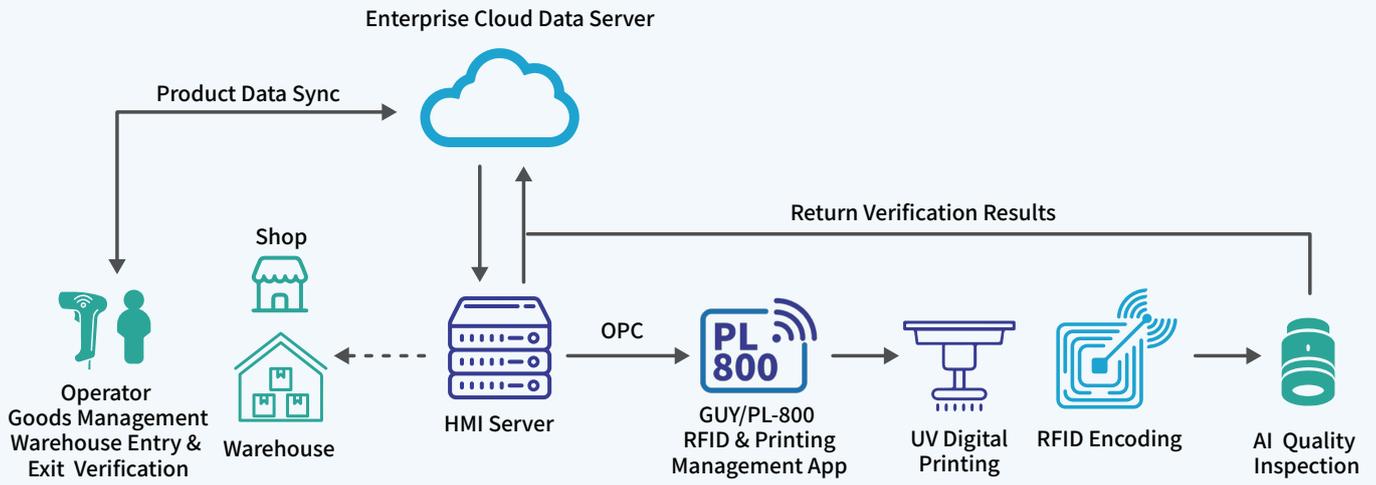


Code Inspection System



露底 Missing 漏印 Missing Print 白点 Spot 脏污 Dirty

Link-Point Automated Intelligent Manufacturing and IoT Full Process Management Solutions

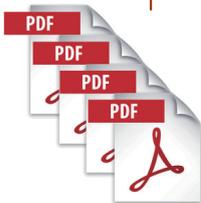
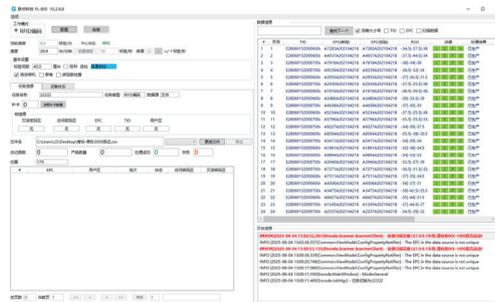


RFID Coding and Digital Printing Management Software

GUY Digital Printing Management APP



PL-800 RFID Coding Management APP



Multiple single-page pdf/4single multi-page pdf



Multiple CDI data types (CSV, Excel)
Intelligent extraction of CSV header
RFID reading and writing and generating Unique code



Single PDF + CDI database
RFID reading and writing and generating unique code

AI Quality Inspection & Auto Replenishment

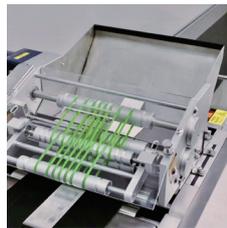
The Control Systems developed by Link-Point are equipped with visual and RFID coding quality inspection modules, capable of:

- (1) Marking or scrapping defective products, auto-replenish according to database;
- (2) Automatically stop when defective products are detected in a row.

Ensure the quality and quantity of production batches, achieving automatic production!



AI Quality Inspection App



Scrap Removal



Defective Marking

#	货号	TID	EPC(读0)	EPC(读1)	RSSI	距离	处理结果	操作信息
1	1	E280915200001	AAAA8888CCCC	AAAA8888CCCC	-361.35.31.34	0.00	失败	设备损坏
2	2	E280915200001	AAAA8888CCCC	AAAA8888CCCC	-34.51.33.33	0.00	失败	设备损坏
3	3	E280915200001	AAAA8888CCCC	AAAA8888CCCC	-35.36.37.5	0.00	失败	设备损坏
4	4	E280915200001	AAAA8888CCCC	AAAA8888CCCC	-35.39.51.37.5	0.00	失败	设备损坏
5	5	E280915200001	AAAA8888CCCC	AAAA8888CCCC	-361.39.51.36	0.00	失败	设备损坏
6	6	E280915200001	AAAA8888CCCC	AAAA8888CCCC	-361.39.51.35.5	0.00	失败	设备损坏
1	1	E280915200000	A7283A202104218	A7283A202104218	-34.51.37.51.38	0.00	成功	已生产
2	2	E280915200000	A4937A202104218	A4937A202104218	-37.51.44.51.34	0.00	成功	已生产
3	3	E280915200070	A7816A202104218	A7816A202104218	-381.346.38	0.00	成功	已生产
4	4	E280915200070	A0329A202104218	A0329A202104218	-38.51.33.34	0.00	成功	已生产
5	5	E280915200000	A395A202104218	A395A202104218	-373.36.51.31.5	0.00	成功	已生产
6	6	E280915200070	A2930A202104218	A2930A202104218	-37.51.35.31.38	0.00	成功	已生产
7	7	E280915200000	A1516A202104218	A1516A202104218	-38.51.39.51.38	0.00	成功	已生产
8	8	E280915200000	A3480A202104218	A3480A202104218	-391.33.39	0.00	成功	已生产

Auto-replenishment according to database

R&D and Supply of Nozzle and Ink Configuration

Equipped with industrial nozzle systems, e.g. Ricoh and Kyocera
 It can be used with monochrome, specialized color and four-color ink and various nozzle configurations
 Proven UV-LED ink formulation
 Achieve flexible and high-quality printing in a variety of materials, wide formats, and colors



Intelligent Traceability Cloud Platform

The RFID reading, writing and printing system is efficiently connected to the enterprise product database.
 We can customize the development of enterprise Internet of Things management system and consumer anti-counterfeiting traceability applications.



Shanghai Link-Point Information Technology Co., Ltd is a professional provider of integrated solutions for IoT RFID intelligent production equipment and traceability technology.

We are specialized in the production and software development of RFID high-speed encoding, digital inkjet printing, image visual inspection equipments. Our development team can customize RFID software and hardware equipment according to customer's requirements.

Our products are widely used in electronic supervision, traceability and marketing in the fields of clothing, shoes, hats, food and medicine, medical equipment, agriculture, electronic products, postal services, aviation, logistics and warehousing, cosmetics, books, asset management and automobiles.

We also unique code data collection, anti-counterfeiting, traceability and data cloud service. We are experienced in technical and application experience of industrial 4.0 automation production solutions!

Link-Point Technology adheres to the principle of "integrity, progress, innovation" and wholeheartedly provides customers with high-quality one-stop solutions and supporting services.

We will be trusted partners of each other!



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