

	PR-C101	PR5360LE	PR5350
300 dpi, 24-bit continuous tone printing	Yes	Yes	Yes
Dye-sublimation printing	Yes	Yes	Yes
Dual-sided printing	No	No	Yes
Edge-to-edge printing	Yes	Yes	Yes
Inline encoding options	MIFARE, Desfire	Mag/Contactless Smart/IC Contact*	Mag/Contactless Smart/IC Contact*
Separate image and function memory	Yes	Yes	Yes
Extended image memory, MB	Yes, 8	Yes, 16	Yes, 16
Parallel processing	Yes	Yes	Yes
Printing speed YMCKO*, cards/hour	150	144	144
Printing speed resin, cards/hour	643	600	600
Printing speed single-sided lamination, cards/hour	N/A	132	132
Printing speed dual-sided lamination, cards/hour	N/A	N/A	112
Ultraviolet printing capability	No	Yes	Yes
Micro printing capability	Yes	Yes	Yes
Interface	USB 2.0 output	USB 2.0 output	USB 2.0 output
Card size	CR80	CR79 & CR80	CR79 & CR80
Card thickness, mil	30, 10**	20 to 50	20 to 50
Card input/output hopper	100/30	100/100	100/100
Windows 2000/XP/VISTA/7 32 or 64 bit Mac OSX 10.5 and above*	Yes	Yes	Yes
Mac compatible driver	Yes	Yes	Yes
Security overlamine add-on module	No	Yes	Yes
Warranty	3 Years***	2 Years***	2 Years***
Years of service	Since 2007	Since 2011	Since 2004
Special order 10 mil	No	Yes	Yes

\* Due to policy of continuous development, we reserve the right to alter details of specification and equipment without notice.

\* Mac Driver must be purchased from DVR Consulting, Inc. (www.badges.com).

\*\* Optional 10 mil kit available.

\*\*\* Please contact Team NiSCA for more information.

# Smart Printers, Affordable Solutions, No Problems



## Quality and reliability in a single-sided, entry-level printer

### Out-of-the-box solution features

- ▶ 24-bit color
- ▶ Removable card hopper
- ▶ High durability, low maintenance, 50,000 cards Mean Time Between Failure (MTBF)\*
- ▶ 171 cards per hour printing speed (YMCO)\*
- ▶ Compact to fit in overhead storage or under counter
- ▶ Rotating LCD panel
- ▶ Optional front or back exit
- ▶ Basic professional unit perfect for small organizations and schools



## High performance, single-sided printer

### Professional, single-sided features

- ▶ 24-bit color
- ▶ Variable UV printing
- ▶ Affordable solution for great looking, durable cards
- ▶ 100,000 card Mean Time Between Failure (MTBF)
- ▶ 164 cards per hour printing speed (YMCO)\*
- ▶ Optional magnetic encoding (with additional encoder)
- ▶ Password security printing
- ▶ Supports HID Prox, iCLASS™, MIFARE®, Desfire and Contact Chip
- ▶ Field installable inline encoding capability
- ▶ Optional lamination (with the PR5302 Laminator)
- ▶ IP Networking addressable via Silex fully supported in driver version 5.0 or greater



## High speed, low cost, dual-sided printer

### Plastic card printer features

- ▶ 24-bit color
- ▶ Variable UV printing
- ▶ 100,000 card Mean Time Between Failure (MTBF)
- ▶ 164 cards per hour printing speed (YMCO)\*
- ▶ Supports HID Prox, iCLASS™, MIFARE®, Desfire and Contact Chip
- ▶ Field installable inline encoding capability
- ▶ Password security printing
- ▶ Optional single or dual laminating systems with alternating patch option with the PR5302
- ▶ Optional magnetic encoding (with additional encoder)
- ▶ IP Networking addressable via Silex fully supported in driver version 5.0 or greater



## Security lamination

### High speed lamination

- ▶ Easily attaches to the NiSCA PR5350 and PR5360LE, field upgradable
- ▶ Configure the unit for a variety of laminate materials
- ▶ Two PR5302s can be attached to provide two different designs and/or laminate materials - front or back
- ▶ Increases the card's life
- ▶ Overlay, thinfilm and softcoat edge-to-edge material

### PR53XX/PR5302 Printer/Lamination

- ▶ 132 cards per hour YMCK/Lamination\*
- ▶ 90 cards per hour YMCK/Lamination/Lamination\* (PR5350/PR5302)

### PR5350/PR5302/PR5302 Printer/ Dual lamination

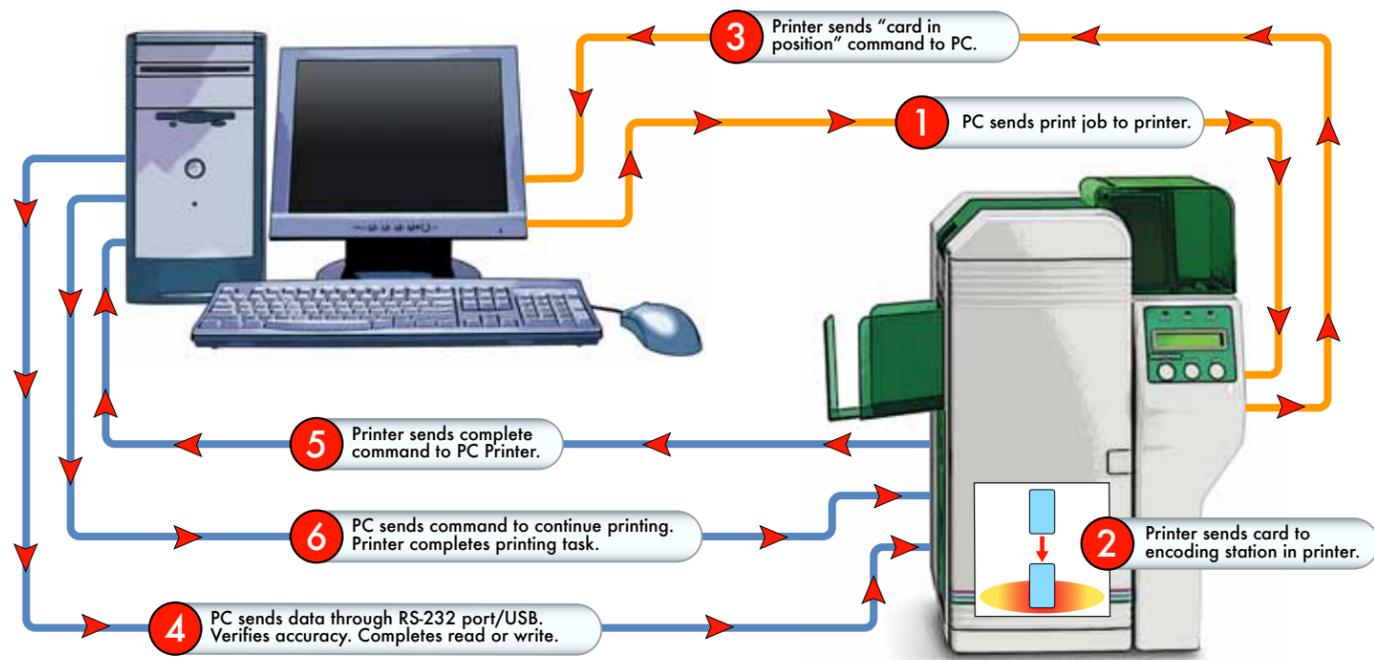
- ▶ Higher throughput and increased speed—112 cards per hour YMCK/Lamination/Lamination\*
- ▶ Optional edge-to-edge overlay with 1 mil patch



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## NiSCA process for integrating Smart Card technology into card printing



### Smart Card ID

Built-in microprocessor and/or memory chip with identification data. Inserted in a reader, transfers data to and from a central computer.

### Two categories of Smart Cards

Contactless Smart Card with no visible module and communicates by radio frequency identification (RFID). Physical contact between the card and a reader is not needed. Contact Smart Card operates by physical contact between the card and reader.

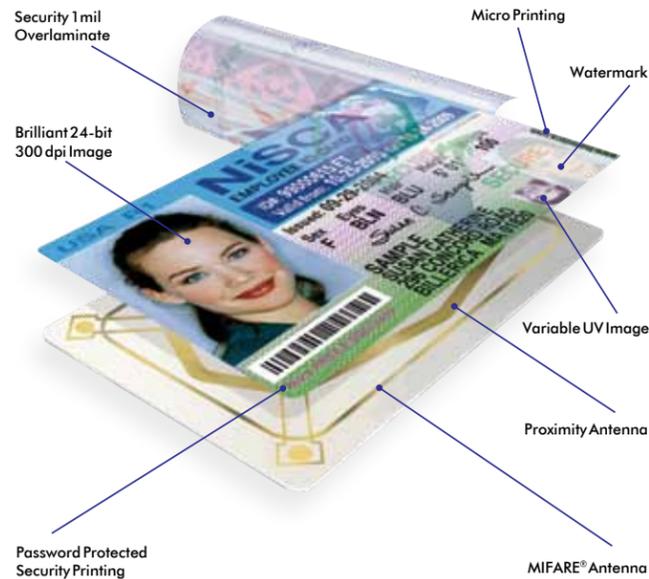
### NiSCA Smart Card Printers

Programs and reads card before printing. Ensures correct programming and reading on correct card. Innovative in-line process saves time and money. No manual insertion, identification, writing or reading. No occurrences of bad chips. No wasted ribbons.

## The more security features, the less counterfeiting

### PR53XX series security features

- UV printing of static or variable images
  - Micro text printing
  - Full 1mil security overlamine with various holographic and ink options
  - Magstripe encoding on tracks 1, 2 and 3 in high- or low-coercivity
  - Password protected variable resin or UV printing allows the automated printing of the printer's serial number, printer's model number, date of printing and variable demographic data
- Smart cards: Contact IC chip and RFID from HID PROX, iCLASS, MIFARE, Desfire and Legic Technologies

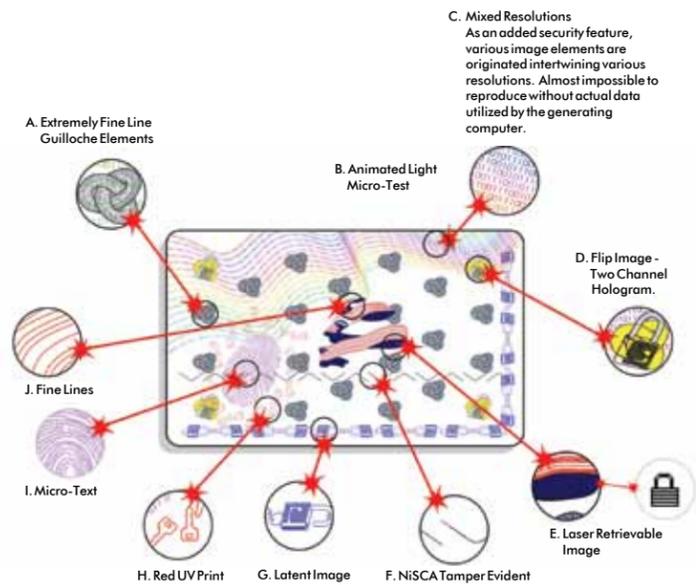


## Security lamination

### Lamination security features

- Generic and custom security holograms
- Hardcoat and softcoat material for visual security passes

### 10 common features integrated into laminate material.



Reliable, affordable, high quality output plastic card printers



### Industry leading features

#### Print quality

Brilliant 24-bit color continuous tone printer. 300 dpi edge-to-edge dye-sublimation printing technology. 256 grayscale bitmap in all color modes.

#### Reliability

Mean Time between Failure (MTBF) 100,000 cards.\* 2-year warranty. ISO 9001 certification – an international standard for quality assurance.

#### User friendly

Automatic cleaning. Quick change print head. Simple to read and use 2-line LCD display. RoHS (Restrictions of the use of certain Hazardous Substances) compliance.

#### Printer/PC communication

Print driver continuously maintains 2-way communication between the software application and printer. Windows® and Mac\*\* compatible. Print spooler window shows printer status information. Badging applications provide remote status and diagnostics.

#### Environmentally friendly

ISO 14001 Environmental Management System Standard certification

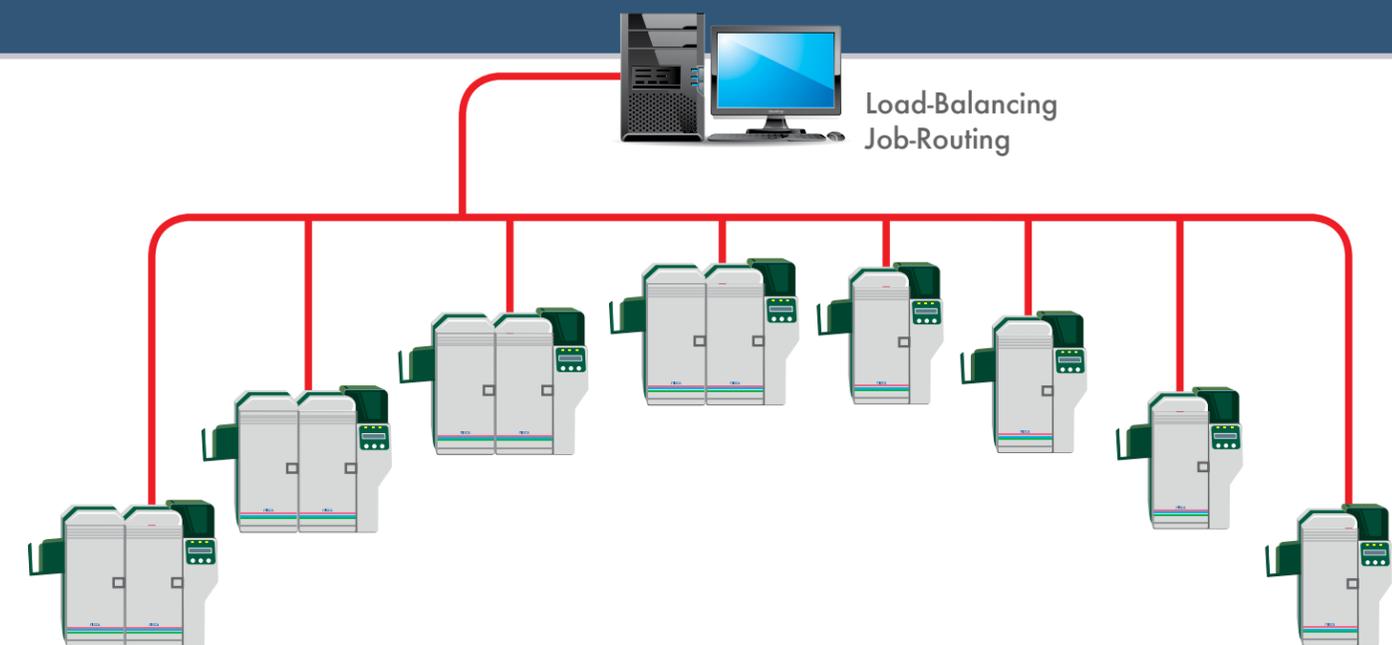
#### NiSCA Corporation's continuing mission

Established in 1960, NiSCA Corporation is known for its longevity and innovation. NiSCA's mission statement—Creation of Value for the Future—is proven by the products it creates. The first dual-sided printer, easily changeable ribbon cassette, self-aligning print head, modular lamination unit and the fastest dual-sided printer. NiSCA is a wholly-owned subsidiary of Canon Finetech, Inc.

#### Team NiSCA

Located in Somerset, NJ USA, Team NiSCA sells, stocks and services NiSCA products sold globally through its hundreds of dealers, value added resellers and system integrators. Team NiSCA is a division of KG Digital. Its parent company is Kanematsu USA, Inc.

Service bureau application – USB printers on 1 PC



Different Lamination Requirements

Different Card Stock

#### Module Concept

Perfect for large-scale production or central issuance of secure credentials

- ▶ If one unit goes down, production never stops
- ▶ Each printer is individually addressable, controlled and monitored
- ▶ Manage up to 8 NiSCA printers on a single computer
- ▶ Extremely high throughput for card printing
- ▶ Optional lamination module provides layered security
- ▶ In-line Smart Card encoding available
- ▶ High-speed printing (Based on 8 PR5350 printers)\*
  - ▶ 1320 cards per hour – YMCO
  - ▶ 1040 cards per hour – YMCKO
  - ▶ 840 cards per hour – YMCKO/K (Dual-sided print)
  - ▶ 760 cards per hour – YMCKK/K/Laminate (Dual-sided print/single-sided lamination)

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 \*\* Mac driver coming soon for the PR5360LE.

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