

NiscaCPS

Central Production Solution



NiscaCPS Minimizes Costs & Maximizes Throughput

Module solutions have always been a staple for the Nisca line of desktop card printers. Since our inception in 1994 the PR5002 printer offered modular flip-turn stations, encode stations, and lamination stations. Today, our product line has evolved but not varied from this fundamental concept.

The Nisca module concept is a perfect fit for large-scale production or central issuance of secure credentials. If one printer or laminator goes down; the remaining units continue to function; while a replacement module is easily set in its place - production never stops. Numerous US Government Agencies, seven US States drivers' license programs, four countries, and thousands of companies have adopted the Nisca modular solution.

Our latest advancement in our modular concept comes with the introduction of the PR5300 and PR5350 printers with USB 2.0 input / output bus protocol. Nisca's USB printer firmware and drivers act in the same manner as SCSI device in that each printer is individually addressable, controlled, and monitored. Nisca's firmware and driver can independently communicate with and manage up to 8 Nisca printers on a single computer.

Eight printers on a single computer provides extremely high throughput for card printing; add-on the lamination module to provide for layered security; and the in-line smart card encoding (available in the PR5350) and you have a highly precise and intelligent production solution for high value cards and massive projects.

Summary of NiscaCPS:

- High-speed printing (based on 8 PR5350 printers)*:
 - 1200 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 side lamination)
- Full color edge to edge printing
- 300dpi dye-sublimation printing technology
- Industry leading 24-bit continuous tone printing
- 256-Grayscale
- Dual sided printing
- Dual sided lamination with alternating patch options
- Full Windows compatibility
- Automated cleaning mechanism
- MTBF 100,000 cards
- ISO9001 & ISO14001 Certifications



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Printer Specifications:

Printing system	300dpi, 24-bit continuous tone printing, 16.7million colors	
Printing method	Thermal transfer dye-sublimation	
Print media	PVC or polyester cards with polished PVC finish	
Media size	CR-80: 3.375" x 2.125" / 85.6 x 54mm	
	CR-79: 3.303" x 2.051" / 83.9mm x 52.1mm	
Media thickness	.020" (20mil) to .050" (50mil) / .508mm to 1.72mm	
Print area	Edge to edge	
Input hopper	100 cards	
Output hopper	100 cards	
Image memory	16MB PR5350 & 8MB PR5300	
System memory	2.25MB	
Display	LCD 16 character 2-line display shows printer status and diagnostic prompts	
Print ribbons options		
Print speed*	<u>PR5350</u>	<u>PR5300</u>
YMCO Single side:	1200 cards / hr	800 cards / hr
YMCKO Single side:	1040 cards / hr	560 cards / hr
YMCKO/K Dual side:	840 cards / hr	544 cards / hr
YMCK/K w/ Lam:	760 cards / hr	440 cards / hr
Encoding options	Offering integrated driver control for all encoding that includes: - ISO standard Magstrip w/ dual high- and low-coercivity std. - Contact IC Chip - MIFARE [®] , Legic [®] , HID Prox, HID <i>iCLASS</i> [®]	
Interface	USB 2.0	
MTBF:	100,000 cards	
Dimensions	16.57" (h) x 10.66" (w) x 13.03" (d) / 421 x 271 x 331mm	
Weight	26.6lbs. / 13kg	
Operating temperature	65 to 80 F / 18 to 27 C	
Power source	AC Power source AC100/240v 50/60Hz auto-switching	
Agency listing	UL/CE/FCC	
Drivers	Windows [®] compatible	
Warranty	2-year return to depot service printer warranty, 1-year unlimited prints print head warranty	
Options:	PR5302 Laminator	

* Print speed indicates approximate batch print speed with 8 printers and is measured from the time a card feeds into the printer to the time it ejects from the printer. Print speeds do not include encoding time or the time needed for the PC to process the image. Process time is depend on the size of the file, the CPU, the amount of PC memory, the interface (SCSI, USB, Parallel), and the amount of resources at the time of the print job.

** RFID encoding capabilities differ depending on technology, please consult Team Nisca for more details.

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