

## Desktop Card Issuing System for Optical Memory Cards

### LC 7300 Integrated Desktop System

The process of issuing individual ID cards requires two distinct stages.

The first is the collection of the relevant personal data and combining that with the individual's biometric data, which must first be captured.

Once this is achieved, all the information must be encoded securely to the card's optical memory and, when necessary, written to the embedded chip. The same card must then be printed with the holder's personal information and photograph.



All this sounds straightforward in theory.

But with conventional card printers, each card must first be encoded, then manually moved to another machine for printing and laminating. As a result, human error could lead to cards being printed with one holder's information but encoded with data belonging to someone else.

In response to this, the new LC 7300 system is based on a fully controllable automatic card handling module between a printer and optical memory card encoder with built-in sensors for monitoring the progress of each card, giving the operator full control of the entire process.

It is the most advanced in-line desktop system currently available, enabling secure data capture, chip and optical memory media encoding and printing of the card, to be handled in a single, continuous and secure process. It's designed to provide maximum security, optimal print quality and lowest possible running costs.

The LC 7300 system offers a leading-edge solution for cards designed with complex security print features which require full edge-to-edge printing. Because the images are first transferred to a foil and then to the card, the system is also ideal for cards with uneven surfaces.

The LC 7300 includes a lamination module and works for cards with laminated PVC print surfaces as well as polycarbonate surfaces prepared for Re-Transfer printing, with a through-put of up to 60 cards per hour. Any card which is not validated by the integrated quality assurance process is automatically ejected to a secure, locked container.

The unique Re-Transfer technology enables both sides of the card to be printed, edge to edge, with photographic quality. The system can process any form of LaserCard optical memory card, including any OpticalSmart Card with an embedded chip.

The sturdy construction of the printer, and its fool-proof ribbon cartridge exchange process, results in reliable and cost-effective production combined with maximum ease of use.

## The High Security Solution

# Technical Specifications

## Optical Card Encoder



Read Speed:	11.2 KB/sec throughput (bi-directional)
Write Speed:	5.6 KB/sec throughput
Access Time:	120 msec (overall width) 1.7 msec (track to track)
Corrected Error Rate:	Less than 10 <sup>-12</sup>
Software Interface:	LaserCard File System DLL for Windows XP/2000/NT/ME/98

## Re-Transfer-Printer



Printing Method:	True color dye sublimation Re-Transfer printing
Printing Speed:	< 40 sec/card/side with YMCK
Resolution:	300 dpi (11,8 dots/mm)
Flipper:	Built-in flip turn unit
Applicable card:	ISO (85,7 mm x 54,0 mm)
Card thickness:	0,25 mm - 2 mm
Printing area:	Edge to edge
Input hopper:	270 optical memory cards (t = 0.836 mm)
Output hopper:	90 optical memory cards (t = 0.836 mm)
Built-in memory:	8MB
Options:	- Magstripe (HiCo/LoCo) and chip encoder module - Encoding module for contactless chip cards - Laminating station for clear or holographic laminate
Supplies for cartridges:	Ink (YMCK) 1000 prints/roll, Ink (YMCK/K) 750 cards (both sides)/roll Re-transfer film 1000 prints/roll
Printer warranty:	12 months
Print head warranty:	unlimited
Printer drivers:	Win 98/ME/2000/XP

