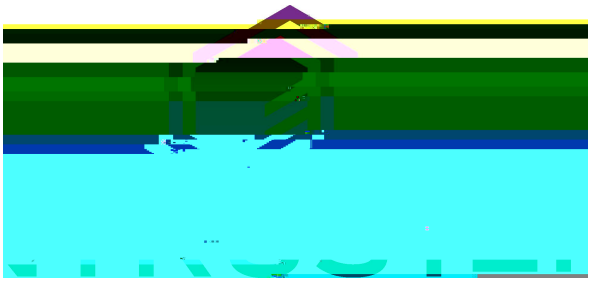

User's Guide

Card Lamination Module

July 2021

528086-001, Rev. B

Notice

Please do not attempt to operate or repair this equipment without adequate training. Any use, operation or repair you perform that is not in accordance with the information contained in this documentation is at your own risk.

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The following basic safety tips are given to ensure safe installation, operation and maintenance of Datacard® equipment.

- Connect equipment to a grounded power source. Do not defeat or bypass the ground lead.
- Place the equipment on a stable surface (table) and ensure floors in the work area are dry and non-slip.
- Know the location of equipment branch circuit interrupters or circuit breakers and how to turn them on and off in case of emergency.
- Know the location of fire extinguishers and how to use them. ABC type extinguishers may be used on electrical fires.
- Know local procedures for first aid and emergency assistance at the customer facility.
- Use adequate lighting at the equipment location.
- Maintain the recommended temperature and humidity range in the equipment area.

- Use proper lifting techniques when moving or installing the equipment.
- Use standard electrostatic discharge (ESD) precautions when working on or near electrical circuits.
- Do not defeat or disconnect safety interlocks on covers.

To avoid a possible electric shock, always unplug the system before servicing.

The WARNING and CAUTION labels have been placed on the equipment for your safety. Please do not attempt to operate or repair this equipment without adequate training. Any use, operation, or repair in contravention of this document is at your own risk.

This product contains chemicals, including lead, known to the State of California to cause cancer, and birth defects or other reproductive harm. *² I·ăK KI·yŘă I·ŦŰŜNJ KI·yŘťλyƎ⌽*

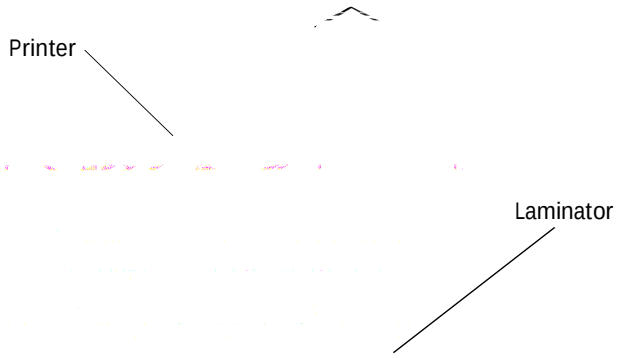
For more information on this warning, refer to:

www.datacard.com/califpropwarning.

Beta	April 2020	Beta release of this document
A	August 2020	First release of this document
B	July 2021	Update document for SLM configuration.

This guide provides information about the optional card lamination module that you can add to your system at the time of purchase or later, as a field upgrade.

A laminator system consists of a Sigma card printer and a card lamination module. The system can print cards and apply an overlay material on the front and back of the card for increased durability and security. Using an overlay material with holographic or other transparent images also improves the security of the card.

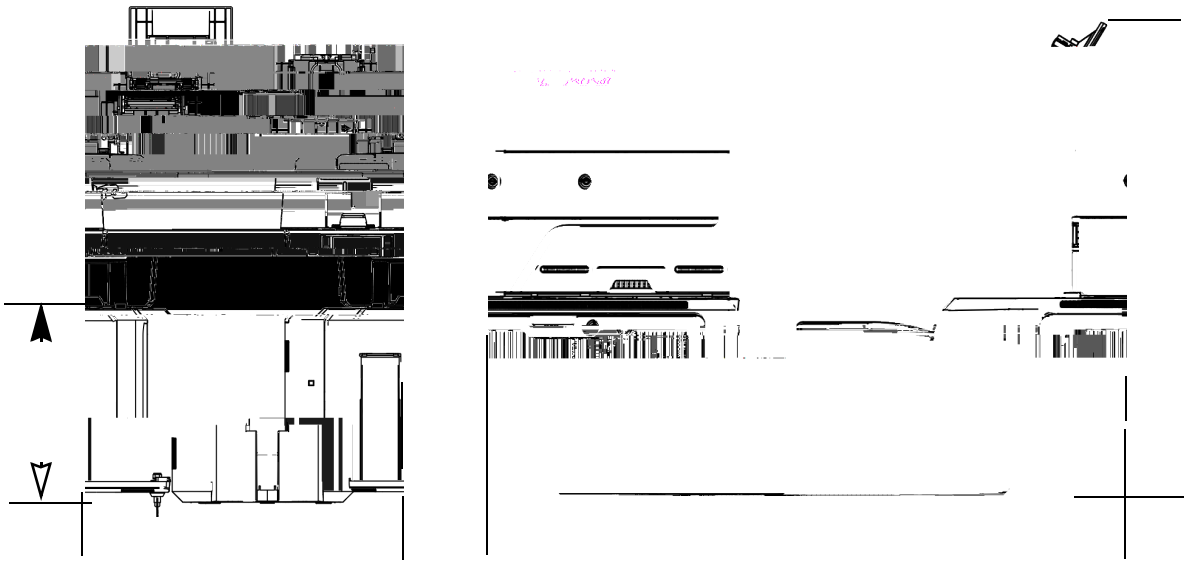


Provide space for the system and for clearance around the system.

The external system dimensions are shown in the following illustration.

The following measurements show the system dimensions when the input hopper, printer cover, and laminator access doors are open.

Best practices recommend that you provide a minimum of 3 inches (76.2 mm) of additional clearance around the system to maintain access to the power cord and data cables, to load and remove cards and supplies, and to provide ventilation.



The power supply is rated as follows:

Printer	100–200V/50–60 Hz/1.6 Amp	24V/3.0Amp/72W
Laminator with L1 only	100–240V/47–63 Hz/2.2 Amp	24V/3.75Amp/90W
Laminator with L1, L2, and impresser	100–240V/47–63 Hz/6.6 Amp	24V/6.6Amp/160W

Use the following ino l ⌊h wg h l’ ƨ b ‘ ş gfol ⌊ l’ gnr o w he fow ⌊ l’ è hl è

The status light shows the status of the laminator:

Ready	Solid green	
Busy	Blinking green	
Idle/Sleeping	Solid blue	
Heating	Blinking blue	
Error	Blinking red	

The card output hopper holds up to 100 completed cards.

The access door provides access to the laminator supplies.

The optional lock provides secure access to the laminator.
If the laminator has a lock, the printer also must have a lock.

The optional impresser is located inside the laminator just before the card exit slot.

The card

The laminator configuration label is located inside

Load the new roll of laminator overlay material.

Put the blue supply spool on the blue supply spindle of the cartridge (c). The overlay supply roll can go on only one way and only fits on the correct spindle.

Put the empty silver take-up spool on the silver take-up spindle (d).

Turn the take-up spool clockwise to remove slack from the material (e). The overlay material loads in an S-shape.

Make sure that the overlay material is between the guides on both the take-up and supply sides of the cartridge.

Close the laminator cartridge gate (f). Push it in until the latch clicks in place (g). Make sure that the overlay material is not pinched by the cartridge gate.

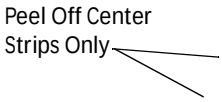
Replace the loaded laminator cartridge in the printer.

Remove the L2 (orange) cartridge, if installed, from

This chapter provides information to help you maintain the laminator for optimal performance.

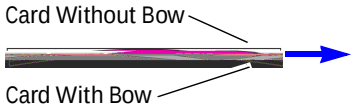
Remove any printed cards from the output hopper.

Peel off the center strips from both sides of the adhesive cleaning card. Leave the side strips in place.



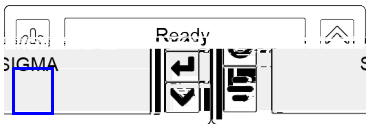
Insert the cleaning card under the rollers of the card exit slot of the laminator. When it is in the correct location and pushed in far enough, the card stays in place.

If the cleaning card appears bowed, insert it as shown.

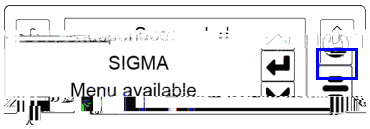


Use the LCD menu system to start the cleaning cycle.

Begin when the printer displays . Press the USER button.

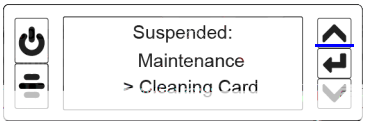


displays on line 1 of the LCD panel. Press ENTER to enter the menu system.



displays on line 3 of the LCD panel. Press ENTER to enter the Maintenance menu.

displays on line 3 of the LCD panel. Press ENTER to enter the Cleaning Card menu.



displays on Line 3 of the LCD panel. Press the down arrow.

displays on line 3. Press ENTER.

Start displays on line 3. Press ENTER to start the cleaning process.

displays on the LCD panel. Press the USER button to start the cleaning cycle.

The laminator pulls the cleaning card from the card exit slot into the laminator and moves it back and forth through the L1 and L2 cartridge areas, the card entry area, and the exit rollers several times. The used cleaning card is ejected into the laminator reject tray.

Inspect the laminator cartridges for particles. If particles are present:

Retrieve the cleaning card and use it to remove the particles of overlay material from the cartridges.

If particles still remain on the cartridge and inside of the laminator, use a vacuum cleaner with a small plastic hose attachment to carefully remove the particles. Also clean any remaining particles from the output hopper.

- If the cleaning card is not pulled into the laminator, the card is not in the correct position. The cleaning card must be located under the rollers of the card exit slot inside the output hopper.
- At the end of the laminator cleaning cycle, the card can stick to the rollers in the output hopper. Pull on the card to remove it.
- Discard the cleaning card after one use.
- Avoid contact with the heated roller, which contains sensitive electronic components.
- If cleaning the laminator does not solve the problem, contact your service provider for assistance.

Unfinished cards, or cards that were not processed properly, are placed in the laminator reject tray.

The printer reject tray is not used when the laminator is present. Rejected cards are always placed in the laminator reject tray

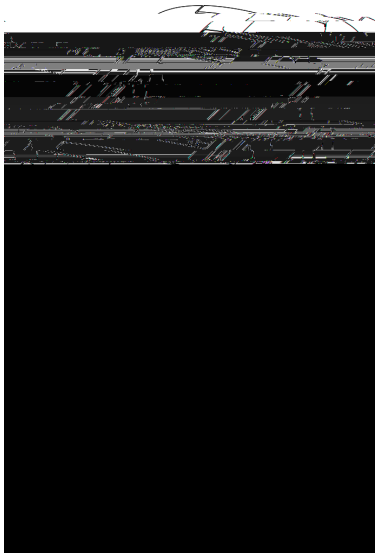
Unlock and open the laminator access door.

Press the reject tray release button to open the laminator reject tray. (Refer to “Inside the Laminator” on page 8.)

Remove the rejected cards from the reject tray.

Close the reject tray.

Close and lock the laminator access door.



The patch comes off when the card is flexed.	The temperature is too low for the overlay material.

The topcoat is spotty, especially on the leading edge of the card.

Open the laminator access door.

Remove the L1 and L2 (if installed) laminator cartridges.

Turn the manual advance knobs inside of the laminator until the card is accessible.

Remove the card.

Replace the laminator cartridges.

Close the laminator access door.

When an error occurs processing a card, an error ms s sc M e s s M g k rr acs u P l'

The card is not where it should be in the laminator.

Open the laminator.

Turn the knob to remove the card.

Close the laminator.

In the Card Printer Driver message, click , or click to cancel the card.

The card is not where it should be in the laminator.

Open the laminator and remove the L1 supplyn Ş y e L. r.

Turn the knob to remove the card.

pepl L. e the s ppl1n Ş y el e and close the la ʎ i L. ator.

In the Card Printer Driver message, click , or click to cancel the card.

The L2 supply is not moving properly. To try another card:

Open the laminator and remove the L2 cartridge.

Reposition, repair, or replace the supply and advance the repaired area one full turn.

Replace the cartridge and close the laminator.

In the Card Printer Driver message, click , or click to cancel the card.

The laminator does not have usable supplies.

Open the laminator.

Replace the supply.

Close the laminator.

In the Card Printer Driver message, click , or click to cancel the card.

The laminator cannot use the supply installed.

Use supplies designed for this laminator.

In the Card Printer Driver message, click , or click to cancel the card.

The laminator cannot use the supply installed.

Use supplies designed for this laminator.

In the Card Printer Driver message, click , or click to cancel the card.

The laminator cannot use the supply installed.

Use supplies designed for this laminator.

In the Card Printer Driver message, click , or click to cancel the card.

The laminator has encountered a critical error. The card will be canceled.

Press the printer POWER button to power off the system.

Request service. The system must remain powered off.

Click to clear the message from the Card Printer Driver message on the PC.

The laminator has encountered an error in the debow area.

Remove the card.

Press the printer POWER button to power off the system.

Press the printer POWER button again to power on the system.

If the problem occurs again, request service.

In the Card Printer Driver message, click , or click to cancel the card.

The laminator has encountered a critical error. The card will be canceled.

Press the printer POWER button to power off the system.

Request service. The system must remain powered off.

Click to clear the message from the Card Printer Driver message on the PC.

The laminator has encountered a critical error. The card will be canceled.

Press the printer POWER button to power off the system.

Request service. The system must remain powered off.

Click to clear the message from the Card Printer Driver message on the PC.

The laminator has encountered a critical error. The card will be canceled.

Press the printer POWER button to power off the system.

Request service. The system must remain powered off.

Click to clear the message from the Card Printer Driver message on the PC.

The bar code scanner cannot read the bar code on the overlay. This can indicate a scanner problem, an unreadable bar code, or an incorrect L1 cartridge.

Try the card again.

If the problem occurs again, request service.

Click to clear the message from the Card Printer Driver message on the PC.

The printer and laminator firmware versions are not compatible. The system cannot laminate