EVOLIS

EVOLIS CERTIFICATION

Technical Training

MUCH MORE THAN CARD PRINTERS

Signature pads   Software   Card printers   Accessories   Services

PRODUCT INFORMATION

Zenius, Primacy,

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ZENIUS

- Main features:

  - "Color Dye sublimation" and "monochrome thermal transfer"

  - Feeder and manual feeder

  - 300 dpi only

  - Ribbon cassette system and auto recognition system (% and type)

  - Windows XP(sp3)/Vista/7/8/10 (32/64 bit) – Mac 10.6 to 10.11 – Linux (Debian & Redhat)

  - 2-year warranty for printer and print head (Spare parts = 6 months)

  - Printer monitoring and user notification software

  - Card types: PVC, PVC laminated, ABS, PET,…

  - Card format: ISO CR80 (Only)

  - Card thickness : from 0.25 to 0.76mm (10 to 30 mil)

  - USB port for classic model (USB + Ethernet TCP/IP connection for Expert line)

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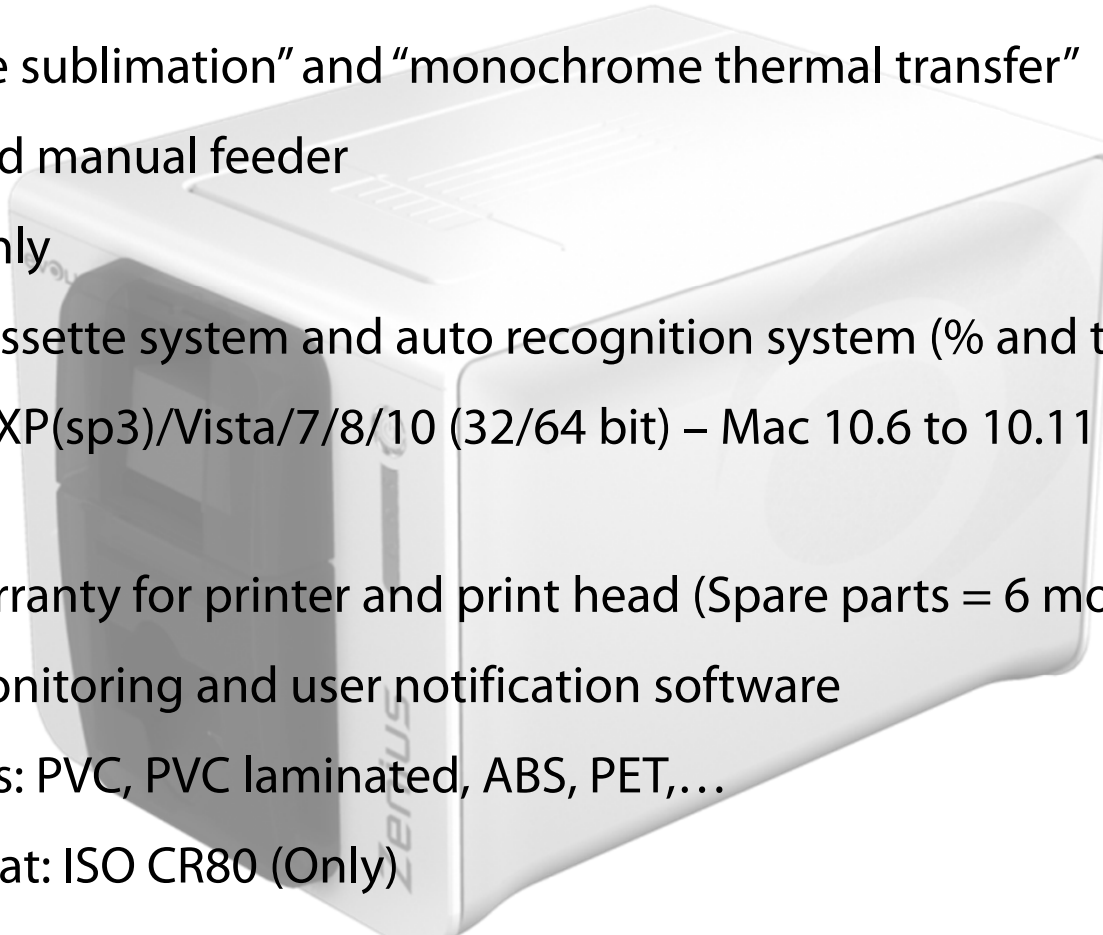
- Options (only for expert line)

  - Encoding options:

    - Magnetic encoder ISO7811 or JIS2 – HiCo/LoCo (upgrade possible on site)

    - Contactless encoding coupler(upgrade possible on site)

    - Smart encoding station with/without coupler (upgrade possible on site)

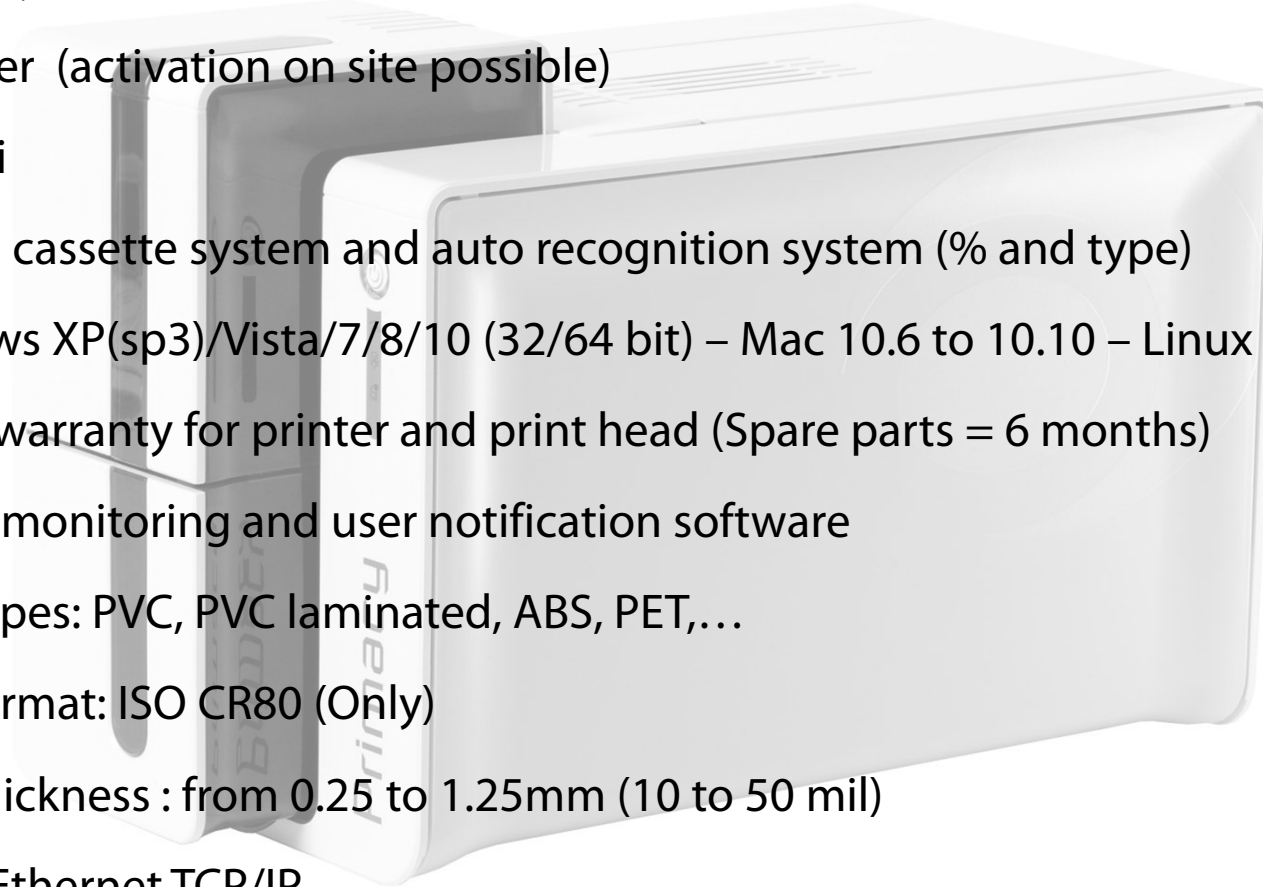 - 3 encoding options can be installed in the same printer (magnetic, smart, contactless)

    - No upgrade possible on Classic model.

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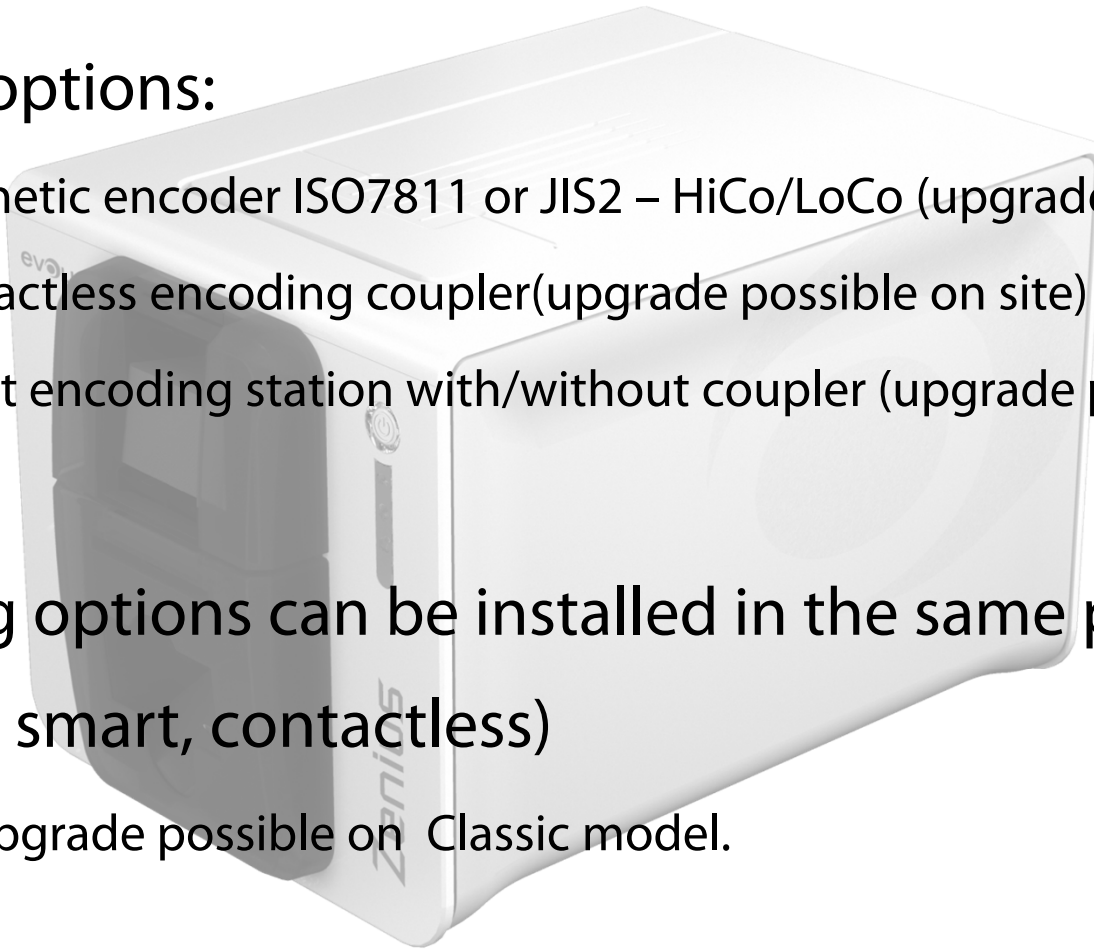
PRIMACY

- Main features:

    - "Color Dye sublimation" and "monochrome thermal transfer"

    - Flip-over (activation on site possible)

    - 300 dpi

    - Ribbon cassette system and auto recognition system (% and type)

    - Windows XP(sp3)/Vista/7/8/10 (32/64 bit) – Mac 10.6 to 10.10 – Linux (Debian & Redhat)

    - 3-year warranty for printer and print head (Spare parts = 6 months)

    - Printer monitoring and user notification software

    - Card types: PVC, PVC laminated, ABS, PET,…

    - Card format: ISO CR80 (Only)

    - Card thickness : from 0.25 to 1.25mm (10 to 50 mil)

    - USB + Ethernet TCP/IP

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PRIMACY

- Options

  - Encoding over IP for smart/contactless communication (factory setting)

  - WIFI (factory setting)

  - Encoding options (upgrade possible on site)

    - Magnetic encoder ISO7811 or JIS2 – HiCo/LoCo

    - Contactless encoding coupler

    - Smart encoding station with/without coupler

  - 3 encoding options can be installed in the same printer (magnetic , smart, contactless)
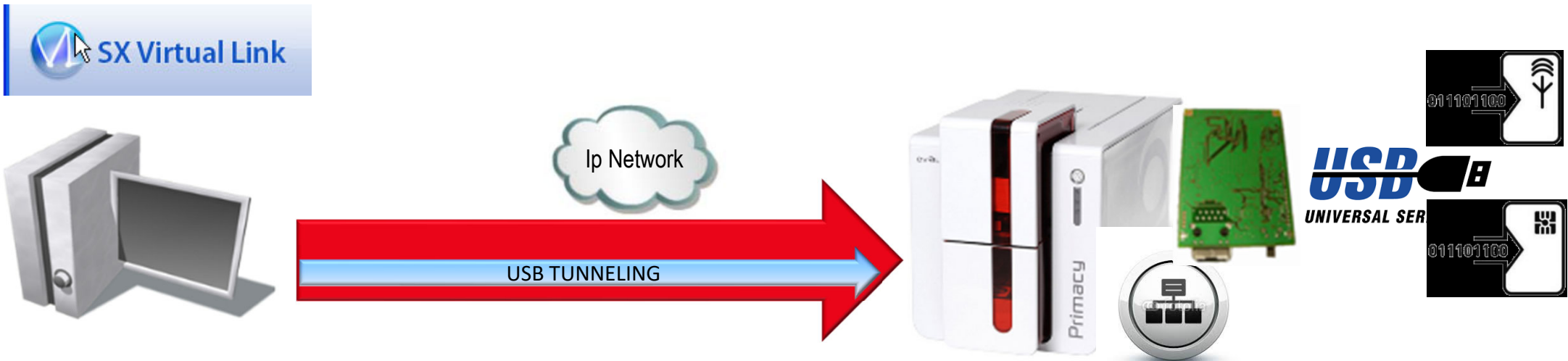
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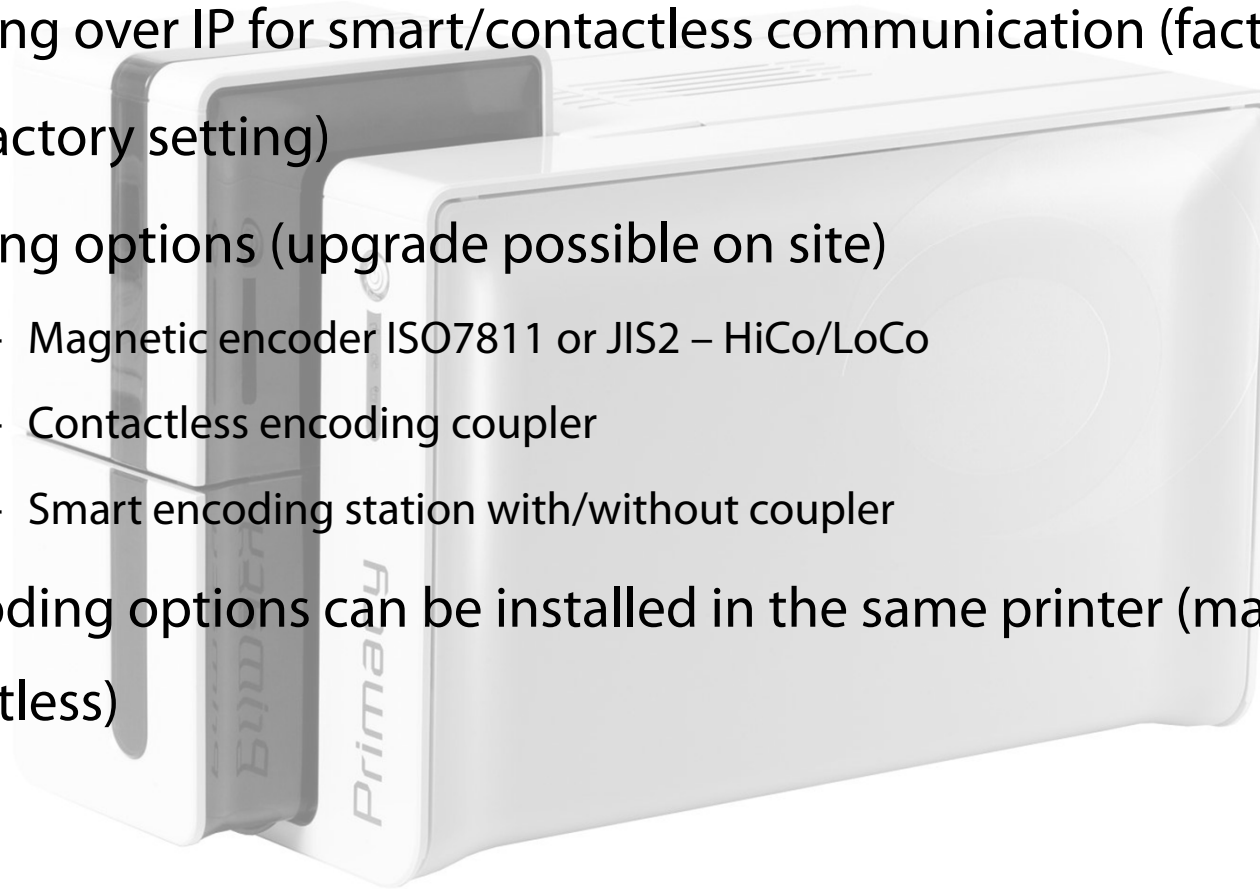
USB OVER IP (FACTORY SETTING)

Networking in standard configuration =
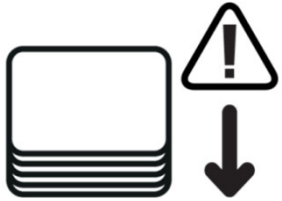No encoding (except magnetic encoding)

Encoder are connected using internal
USB HUB of Primacy.
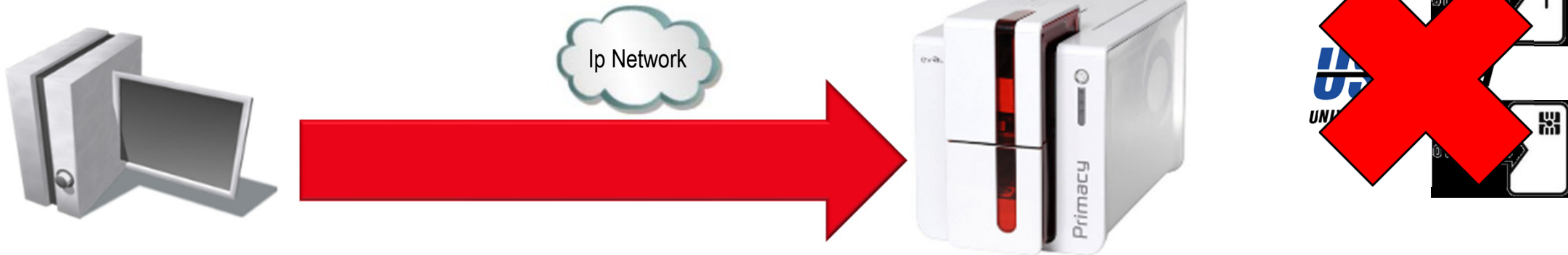
Ip Network

Using the USB over IP emulates a USB connectin trough the network.

SX Virtual Link

Ip Network

USB TUNNELING

USB
UNIVERSAL SER

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LOW CARD SENSOR

**Do not wait for the input hopper to be empty:
a message informs you when the card level is low!**

Be more efficient by anticipating your card consumption

- A sensor added within the input hopper detects the card level
- When the card level is low, a pop-up is displayed on the computer screen to inform the operator

Configuration depending on the used card thickness:

CARD THICKNESS	REMAINING CARDS IN FEEDER	REMINDING MESSAGE
0,76mm (30mil)	20 cards	2
0,50 mm (20mil)	30 cards	3
0,25mm (10mil)	60 cards	6

- Standard feature on the Primacy printers manufactured starting from Q3 2015
- Cannot be upgraded on the Primacy installed base

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EXTENDED PRINTING RESOLUTION

**300 x 600
300 x 1200
DPI**

Print now in higher resolution

For sharper texts and detailed images

- Adjustable resolution via the printer driver (from 6. and 1526 firmware Version)
- Print double or triple pixels down the lenght of the card
    - 300x600 DPI available for color and monochrome printing
    - 300x1200 DPI available for monochrome printing only

- Available as standard starting from Q3 2015
- Compatible with the whole Primacy installed base
- Install the latest printer driver (available from 6.18.0.688 EPS verison)
and firmware (available form 1526 firmware version) to benefit from this feature

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UPDATE VERIFICATION WIZARD

Always be up to date!

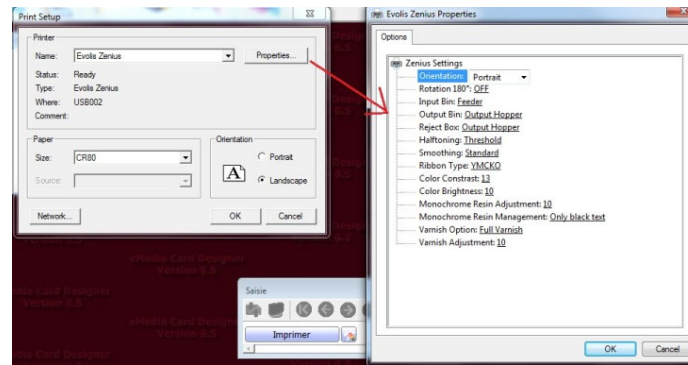**Benefit from the latest enhancements for your printer**

- Easily launch download & installation right thanks to the wizard
- Not intrusive, you decide:
    - When to check for updates
    - When you install the downloaded files
- Wizard integrated to the Evolis Premium Suite®
- Wizard checks for available driver and firmware updates

- Delivered as standard with your printer starting from Q3 2015
- Compatible with Primacy installed base
- Install the latest printer driver (available from 6.18.0.688 EPS verison) to benefit from this feature

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DRIVER/PRINT CENTER/PRINTER MANAGER

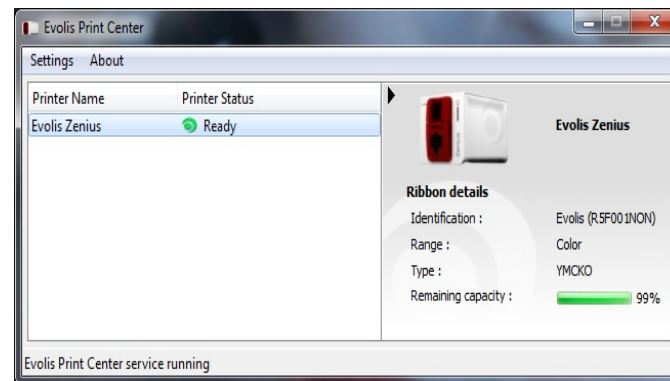|		
Minimal mode To access: From any print setup Printer sharing possible		**Native Driver** Transfer the graphic data into Evolis data Synchronized with the print center
Supervision mode To access: Desktop icon or right/left click on the Evolis icon from the Windows taskbar Printer sharing not possible Can be disabled		**Print center** Printer detection Notification server Graphic interface of the driver Access to Evolis tools
Standard mode (default) Printer sharing not possible Can be disabled		**Printer manager** Graphic interface service for notification popup Job cancelling Help menu Job resuming

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WINDOWS/MAC/LINUX DRIVER

Driver installation

- Before starting a driver installation, log the computer with the Administrator rights (Windows) / Root rights (Linux)

Windows (available on CD-ROM or Evolis web site)

- Run the driver Setup **before** connecting the USB cable
- To manage the printer driver:
  - Check user's rights (power user)
  - Check user's permissions from driver properties/Security
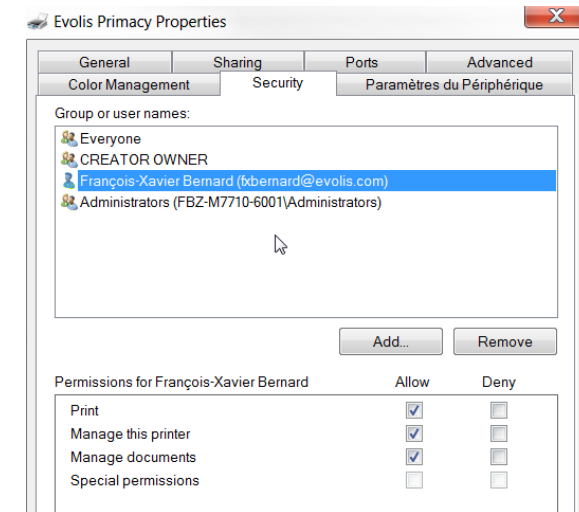
Mac and Linux driver available on Evolis web site

- Connect the USB cable **before** starting the installation
  - All the latest driver release are downloadable on the Evolis web site
  - Elypso, Zenius and Primacy driver update may require the firmware update
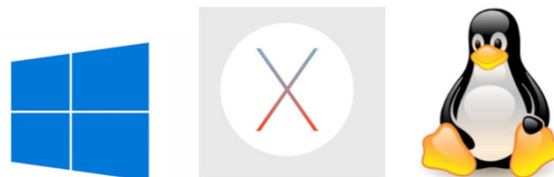
TEST CARD (ZENIUS, PRIMACY, ELYPSO)

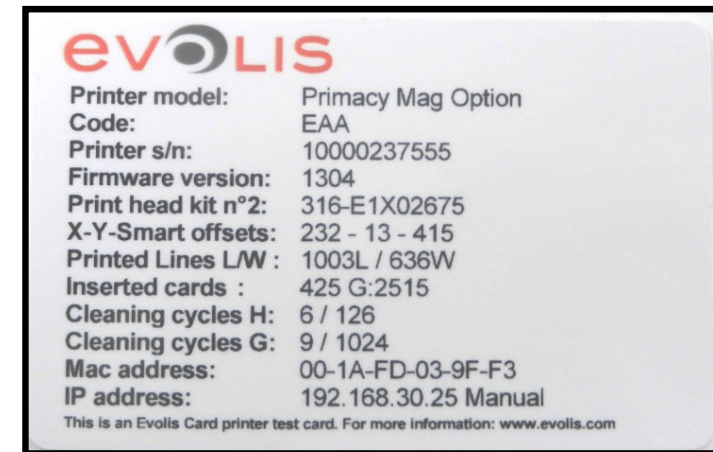|	
Printer model	Model of printer
Code:	Printer Zone
Printer S/N :	Serial number
Firmware Version :	Firmware version
Print Head Kit n° :	Print head kit number (N° : Number of replacement)
X-Y-Smart Offsets :	X offset value - Y offset value - Smart offset value
Printed Lines L/W :	Vertical printed lines/Horizontal printed lines
Inserted Cards :	Number of inserted cards with the current print head G: Global number of inserted cards
Cleaning Cycles H : *With the current print head*	Number of cleaning cycles / Maximum number of inserted cards between 2 cleaning cycles
Cleaning Cycles G : *Total counter*	Number of cleaning cycles / Maximum number of inserted cards between 2 cleaning cycles
Mac address	Printer Mac address
IP address	Printer IP address

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Printer model: Primacy Mag Option
Code: EAA
Printer s/n: 10000237555
Firmware version: 1304
Print head kit n°2: 316-E1X02675
X-Y-Smart offsets: 232 - 13 - 415
Printed Lines L/W : 1003L / 636W
Inserted cards : 425 G:2515
Cleaning cycles H: 6 / 126
Cleaning cycles G: 9 / 1024
Mac address: 00-1A-FD-03-9F-F3
IP address: 192.168.30.25 Manual
This is an Evolis Card printer test card. For more information: www.evolis.com

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REGULAR CLEANING CYCLE (ZENIUS, PRIMACY, ELYPSO)

How to perform a regular cleaning cycle

- Remove ribbon from printer (a cover opening must be detected)
- Remove the card(s) from the feeder and set the gauge to the maximum

To run a cleaning cycle:

1) Use control panel button (press twice quickly)

Or

2) In the **Print center**/*Properties/Cleaning/Proceed with cleaning*, click on the « *Start Cleaning button* » button (for regular cleaning)

– **On Zenius/Elypso:** When card/ribbon light is flashing, insert the cleaning card inside the manual feeder (sticky side up)

– **On Primacy:** When card/ribbon light is flashing, insert the cleaning card inside the feeder (sticky side up)
  – *Clean also print head ceramic*

ADVANCED CLEANING CYCLE (ZENIUS, PRIMACY, ELYPSO)

How to perform an advanced cleaning cycle

- Remove ribbon from printer (a cover opening must be detected)
- Remove the card(s) from the feeder and set the gauge to the maximum

<u>To run a cleaning cycle:</u>

1) Use control panel button (press twice quickly)
Or

2) In the **Print center*/Properties/Cleaning/Proceed with cleaning***, click on the « ***Start Cleaning button***» button (for advanced cleaning)

- When card/ribbon light is flashing, insert the T cleaning card inside the card feeder and wait its ejection
- **On Zenius/Elypso:** When card/ribbon light is flashing, insert the adhesive cleaning card inside the manual feeder (sticky side up)
- **On Primacy**: When card/ribbon light is flashing, insert the adhesive cleaning card inside the feeder (sticky side up)
    - *Clean also print head ceramic*

MANUAL CLEANING

This procedure can be used to:

- Prevent feeding/printing/mag encoding issue

- Clean a dirty printer

- Clean the printer after an intervention (spare parts replacement)

  - *The manual cleaning is advised after a standard cleaning cycle*

How to perform a manual cleaning cycle

- Open the cover (keep it opened), remove the ribbon

- Keep pressing on the control panel button and clean manually the running rollers with a pre-satured cleaning

- Use several cleaning cards if necessary

  - *Clean also the cleaning roller and the print head*

RIBBON'S SPECIFICATION YMCKO

- Printing process with color ribbon always starts with the yellow panel

- The « Color sensor » detects the Black panel and according to ribbon's type calculates the position of the yellow panel.

- In case of Power ON / Door Open, the system will automatically jump to the next yellow panel to not print with panels ready used.

Print job used   Power OFF / ON Door open   Synchronisation 5 panels skip   Print job restart

Issue
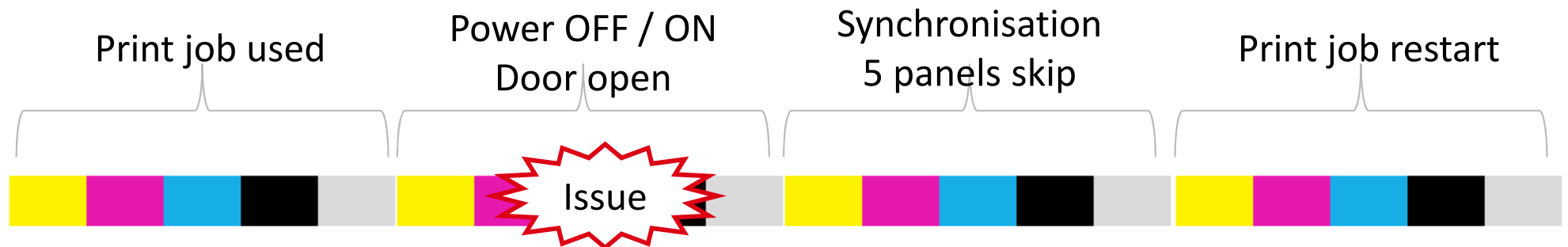
- Number of prints done per ribbon is for a non stop number of print sides.

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RIBBONS SPECIFICATION (ZENIUS, PRIMACY, ELYPSO)

Monochrome ribbon saving system ([downlodable on Evolis Website](#))
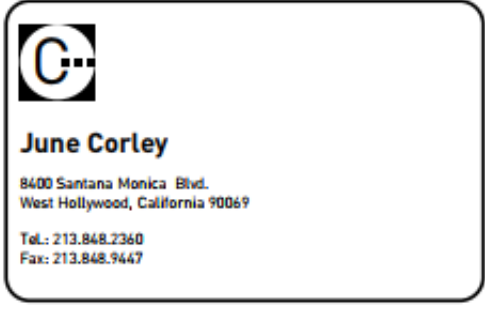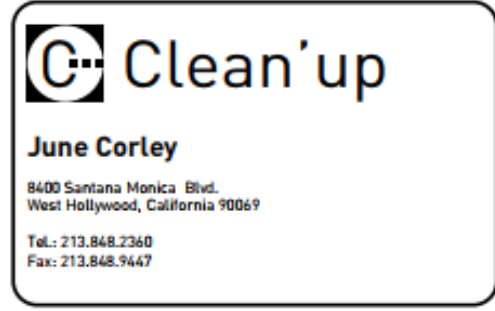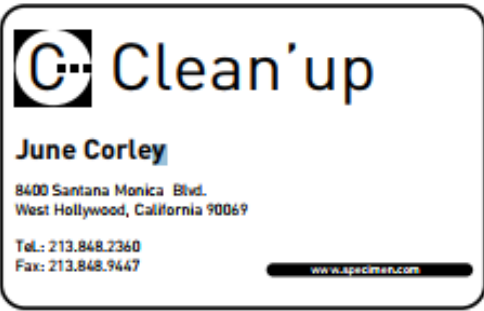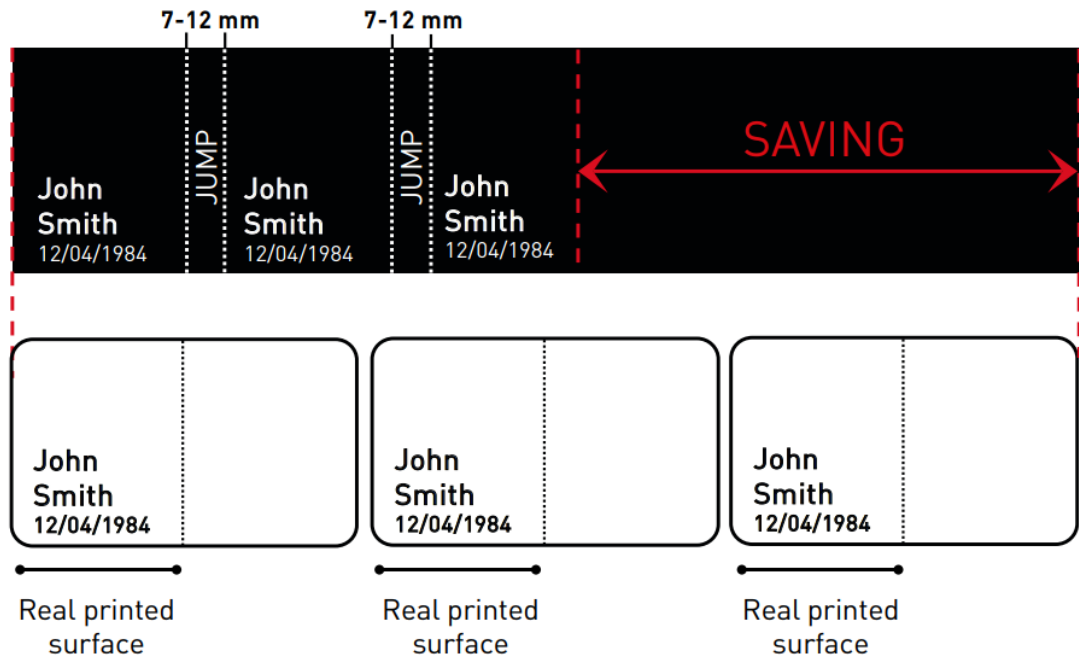
100% layout = 894 cards/roll*

88% layout = 1,000 cards/roll*

50% layout = 1,625 cards/roll*

25% layout = 2,748 cards/roll*

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All Evolis Zenius "High Trust" ribbons get an identification & setting system

- This feature is used to detect the zone, type and the remaining %

    (Evolis premium Suite in standard mode only)

If a non genuine ribbon is detected by the printer:

- A notification pop-up will be displayed by the printer manager (every 10 cards)
- Evolis will not guarantee printing quality and correct color synchronization

R.F ID CHIP

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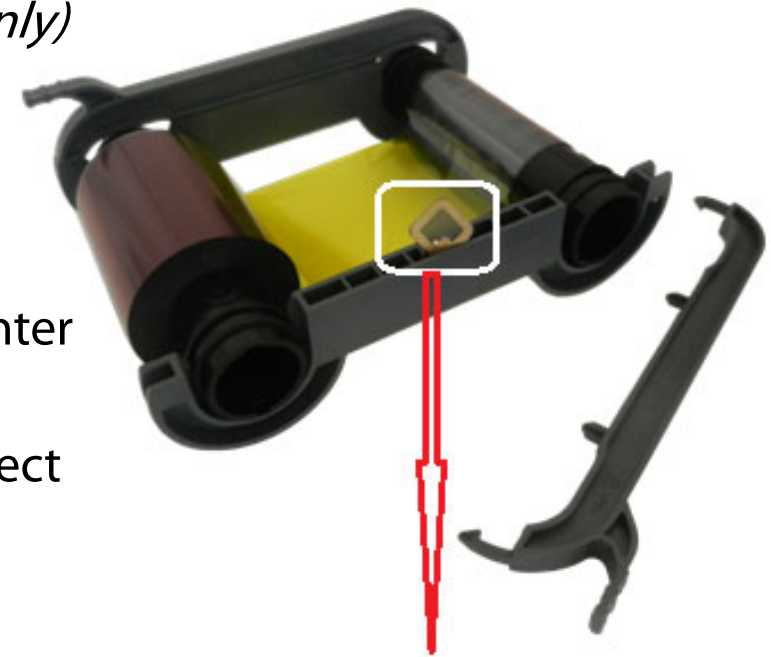
SENSOR ADJUSTMENT LIST (ZENIUS)

NAME	ADJUSTMENT COMMAND	REQUIREMENT
Rotation	Sa;r	Use any ribbon
Color	Sa;c	Use a color ribbon
Cover	Sa;o	Keep the cover opened before sending command
Card synchronization	Sa;p	Put a card(s) into feeder before sending command
Card feeder	Sa;f	Remove card(s) from feeder before sending command
Up&down	Sa;d	X
Feeder position	Sa;e	X
Manual feeder	Sa;M	x
Contact station position	Sa;H	Contact station presence
Magnetic head position	Sa;h	Magnetic option presence
All	Sa	See procedure

SENSOR ADJUSTMENT LIST (PRIMACY)

NAME	ADJUSTMENT COMMAND	REQUIREMENT
Rotation	Sa;r	Use any ribbon
Color	Sa;c	Use a color ribbon
Cover	Sa;o	Keep the cover opened before sending command
Card synchronization	Sa;p	Put a card into feeder before sending command
Card feeder	Sa;f	Put a card into feeder before sending command
Up&down	Sa;d	X
Full hopper	Sa;A	Remove card(s) from hopper before sending command
Flip-over	Sa;flip	x
Contact station position	Sa;H	Contact station presence
Magnetic head position	Sa;h	Magnetic option presence
Low-card Sensor	Sa;n	Remove all card(s) from hopper before sending command

After the replacement, follow these instructions to set the new print head:
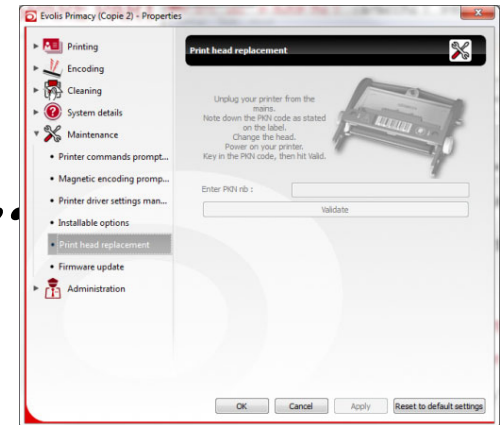
Use the wizard in The Print Center Interface or ....

- Print head kit number (You can find it on the sticker)

Pkn;print_head_kit_number

  – *After sending a new Pkn, a cleaning cycle is requested by the printer.*

- Adjust the offset settings if necessary (not for Tattoo)

- Clean all the rollers with the manual procedure

  – *Remember to print the Stt card before its replacement*

HOW TO INSTALL THE PRINT HEAD KIT NO.

430 is the Resistance No

E7Y008**4302** TKH4 JAPAN

How to Perform the command

To read the Print Head Sl. No.

- *Rkn*

To Put New Print Head Kit No.

- *Pkn;430-E7Y0084*

OFFSET ADJUSTMENT (ZENIUS, PRIMACY, QUANTUM, SECURION, ELYPSO)

Prior to start Offset adjustment:
1. **Print a technical test card and a full background design before starting the offset adjustment.**

Parameters	Reading command	Setting command
X position	Rx	Px;=;…
Y Position	Ry	Py;=;…
Pnl Number of vertical line	Rnl	Pnl;=;…
Pnw Number of horizontal line	Rnw	Pnw;…
Sequence copy	X	Sc;…

Output hopper — Printing direction — Input feeder
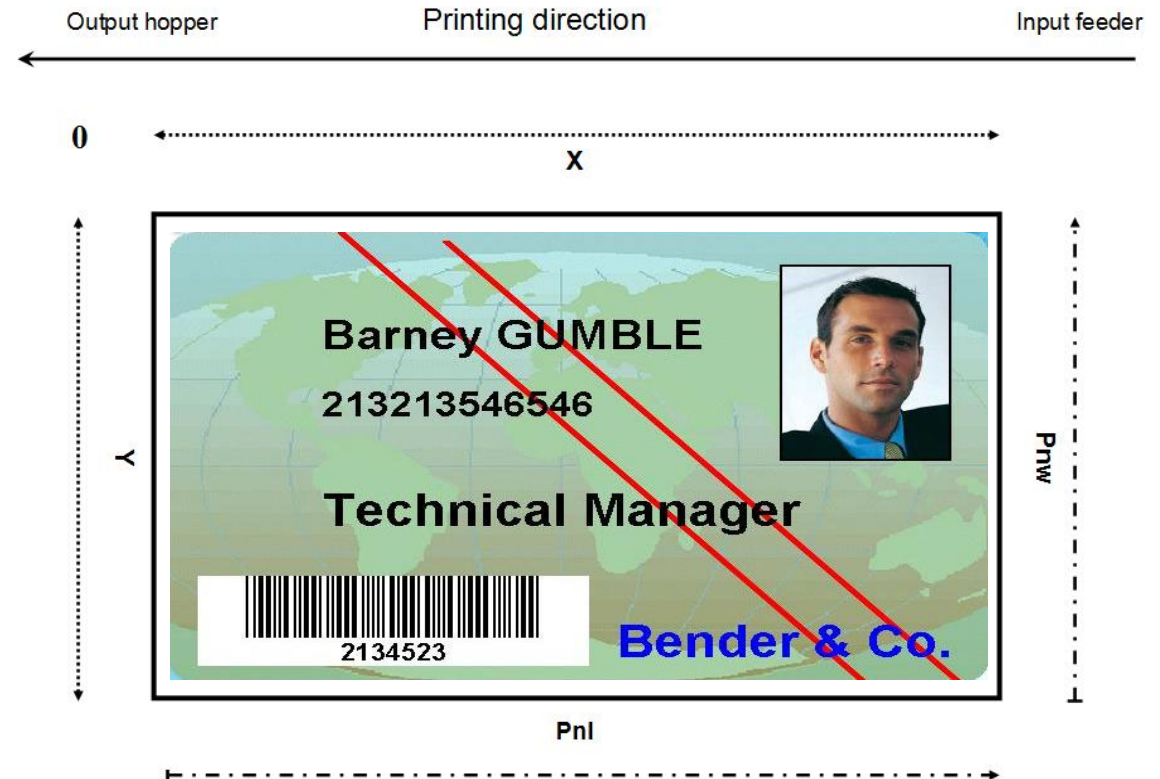
ADVICES:
- **Adjust the X before the Pnl value.**
- **Do not set the Pnl value to the maximum (1016) but find the correct one.**
- **A too high or low image position can create wrinkle(s) on the edge(s).**
- **A low X value may cut the ribbon or eject blank card.**
- **Values are in dots (12 dots = ~ 1mm).**

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CARDPRESSO

- Compatible with XP (SP3), Vista, 7, 8, 10 – Mac OS 10.6 to 10.11
- Compatible with **all** Evolis printers (editions bundled with printer)
- License activation made by USB key / upgrade made with license key
- Technical notes and videos available on Cardpresso web site

Zenius	**XXS Lite**
Primacy	**XXS**

XXS Lite **XXS** **XS** **XM** **XL** **XXL**

Start by **XXS Lite** with the basic features for card design and printing using predefined templates, signature acquisition, internal database up to 50 records, barcodes 1D, WIA/TWAIN and DirectShow acquisition as well as magnetic encoding.

XXS adds an internal database with unlimited records.

XS adds QR codes, .XLS, .XLSX, .CSV and .TXT database connection, database view and link image to DB field.

XM adds local MS access connection, photo on database, FaceCrop tool for face recognition and 2D barcodes.

XL adds ODBC connection, RFID contactless direct encoding and smartcard plugin, multi-layout card designs, conditional printing, operation logs and much more!

XXL adds advanced features like DESFire, Web Print Server and Net License up to 16 PCs.
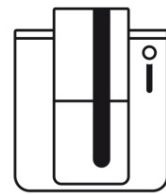
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MUCH MORE THAN CARD PRINTERS

Signature pads

Software

Card printers

Accessories

Services