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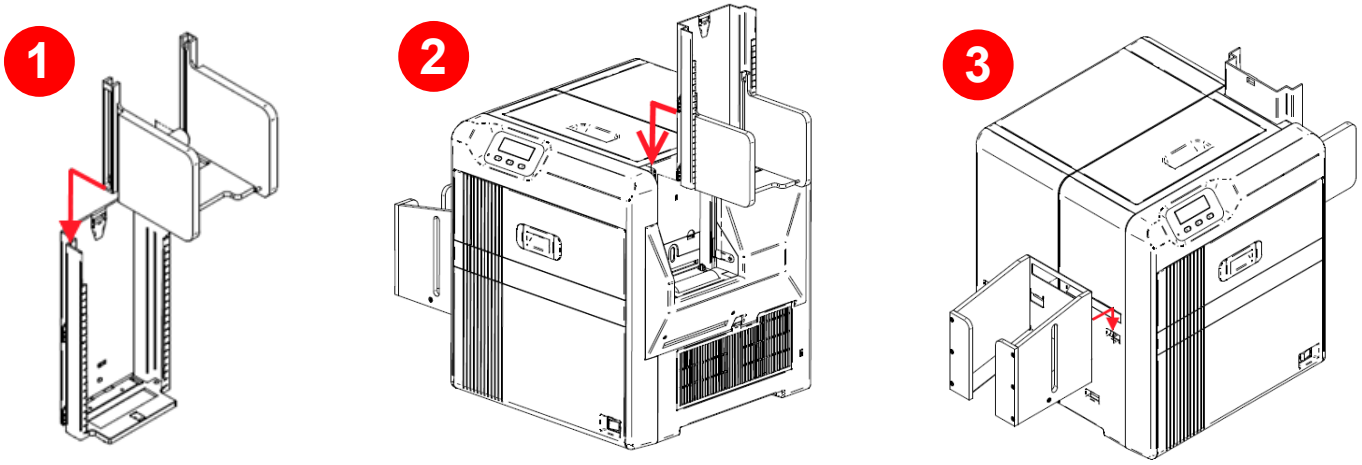
XL8300
Large Format
Retransfer Card Printer

Instruction Manual



How to assembly

XL8300 Feeder and Out - Bin Installation



How to assembly

XL8300 Card Feeding



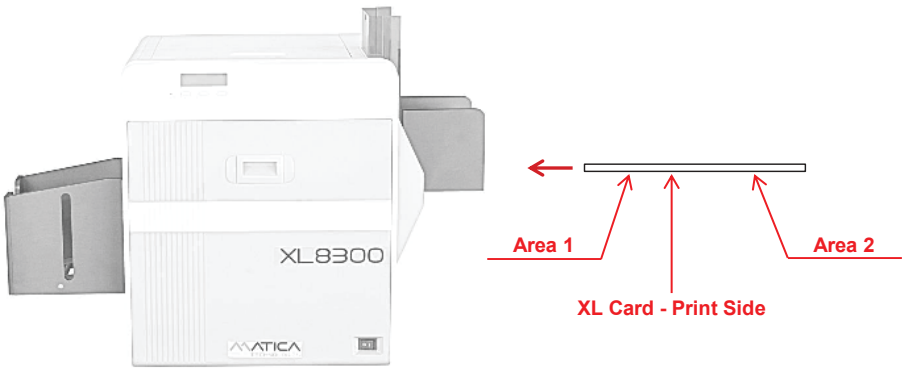


Table of contents

Introduction.....5
Product Description.....5

Oversized Cards.....6
Oversize card Print Side.....6

Printer Driver - Printing Preferences Setup.....7
Full Card or Area 1 Printing Preferences Settings.....7
Area 2 Printing Preferences Settings.....8

Consumables Specifications.....9
Ribbons and Retransfer Film.....9
Oversized Cards.....9
Cleaning Supplies.....9

XL8300 Printer Specifications.....10

Introduction

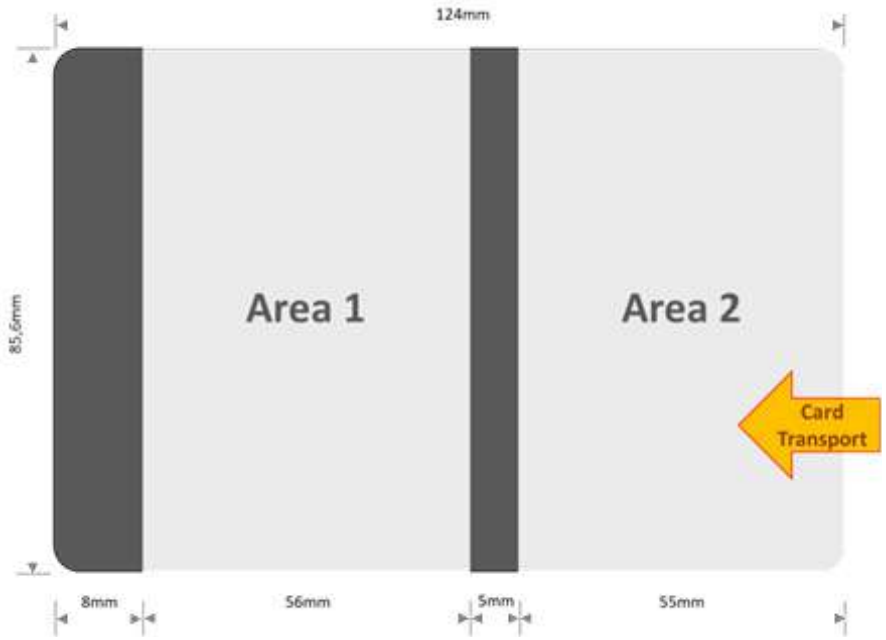
This User guide is an addendum of the XID8300 Retransfer Printer, in this guide you'll find the specific instruction for print the XL Cards (large format cards)
For the Driver Installation and General Printer Setup please refer to the XID8300 User Guide

Product Description

The XL8300 is based on the XID8300 in its dual side version including the bend remedy module to print on oversized badges (85,6 mm x 124/140 mm).
In order to accommodate oversized format cards, Matica developed a special input card feeder and output hopper. Both accessories are designed to accommodate up to 100 oversized cards.

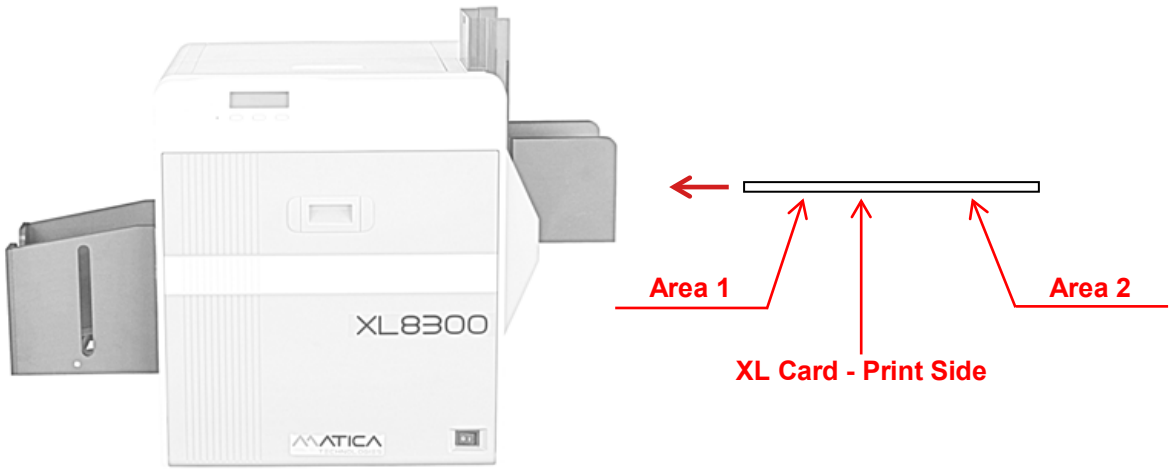
Oversized cards

The XL8300 is using the double side printing feature to print the graphics of two card “sides” on one oversized card surface. The dedicated XL8300 firmware is controlling the card sensors accordingly.
The accepted oversized card format is 124/140mm x 85,60 mm.
Important Note: The XL8300 printer will not accept CR100 or CR80 cards!
The dimensions of the two printable areas are 85,6 mm x 56 mm for area 1 and 85,6 mm x 55 mm for area 2. These two print areas are fixed and can’t be changed / shifted.



As shown in the graphics above, the two print windows do not cover the entire surface of the oversized card bodies. A small, 5 mm area between the two print windows are not printable and remain blank. Further, a 8 mm area at the top of the oversized card will remain unprinted, blank as well.
Hence, it is recommended to use pre-printed cards and integrate the two print areas in an overall card design.

Oversize card Print Side

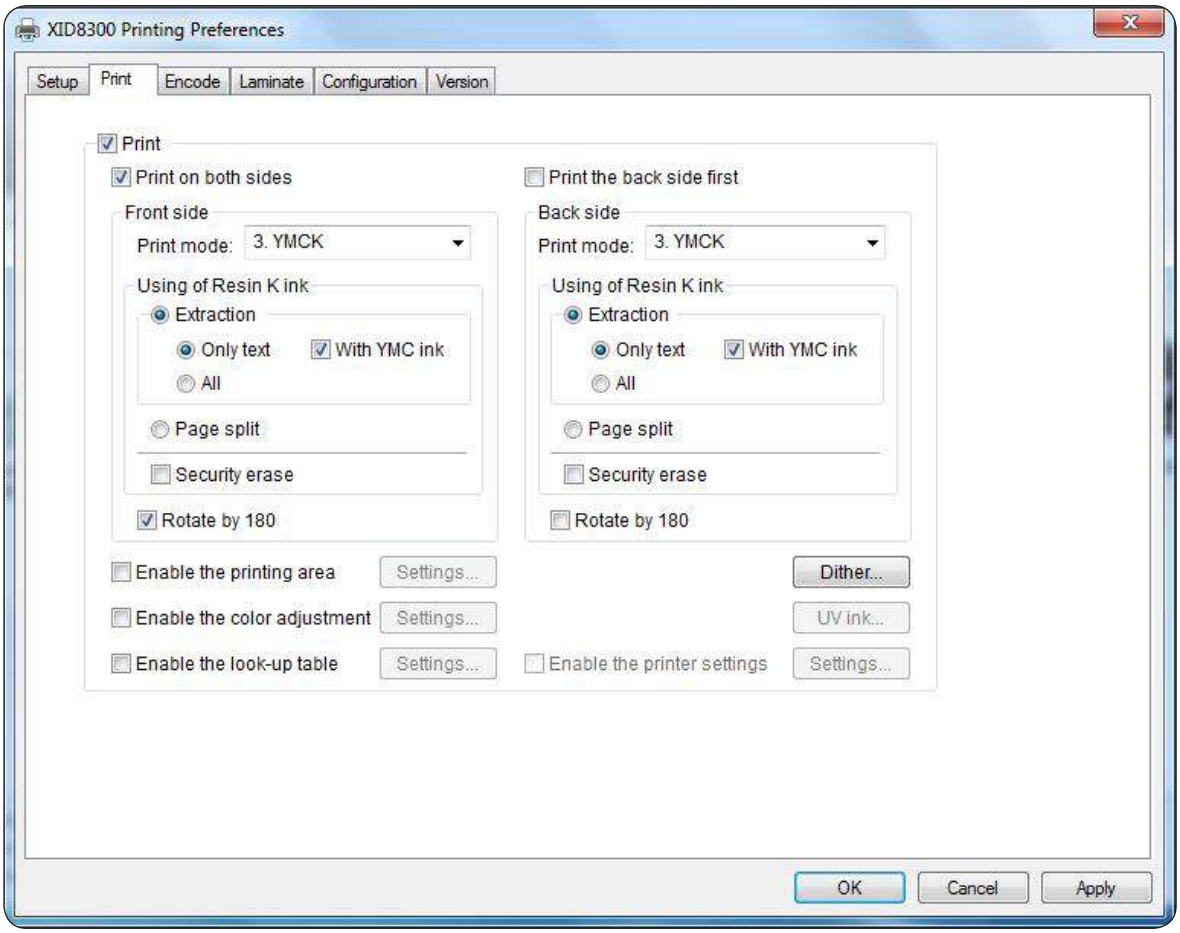


Printer Driver - Printing Preferences Setup

The Card printing Areas mentioned in the chapter above are treated from the Card Desiger SW or others Graphical / Word Applications as pages.
Example of Printing Page definition:
Full Card (Area 1 + Area 2) = Page 1 + Page 2
Print only Area 1 = Page 1
Print only Area 2 = Page 1 (with different settings)

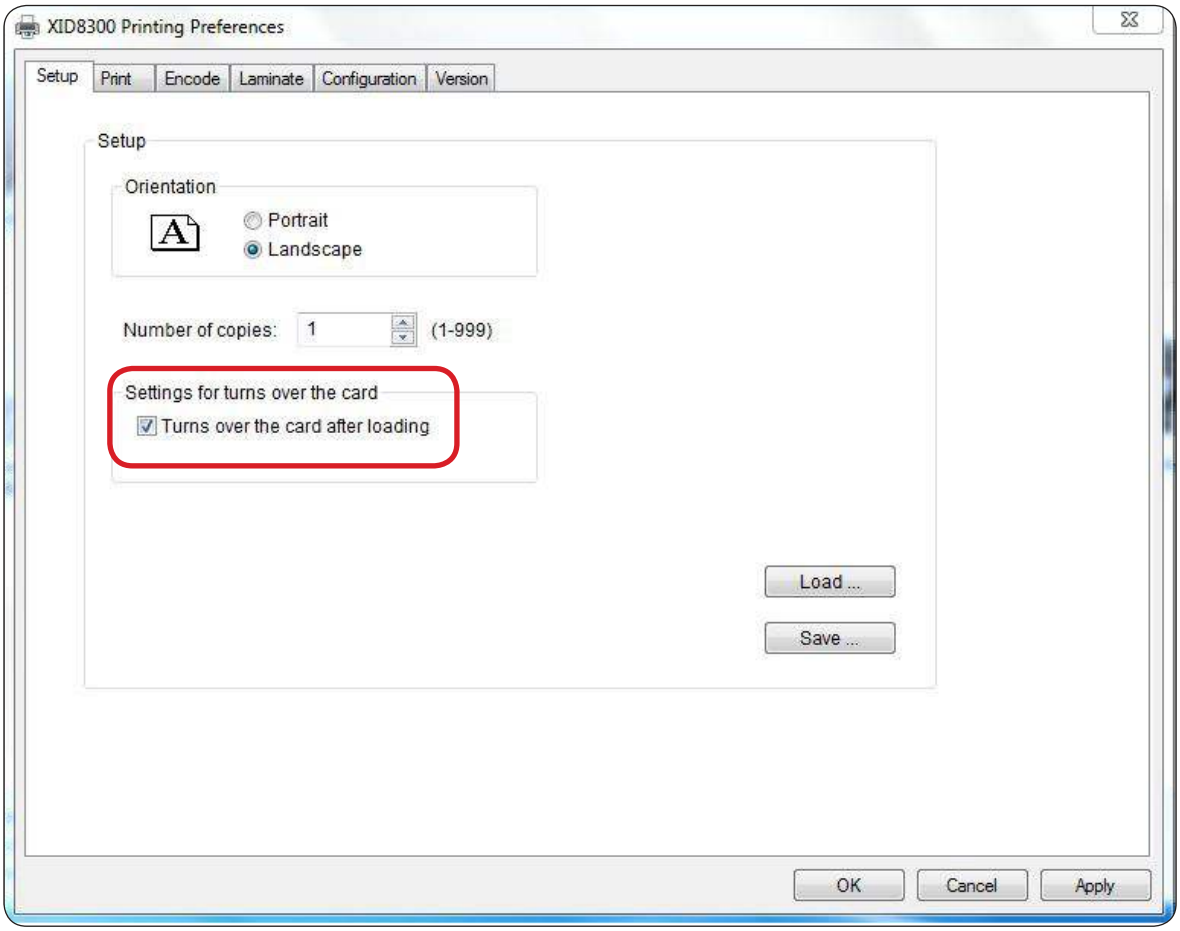
Full Card or Area 1 Printing Preferences Settings

In the Print Tab it's important to check the two checkbox Print on both sides and Rotate By 180



Area 2 Printing Preferences Settings

For print only the Area 2 needs to check into Setup Tab the Checkbox Settings for turn over the card see the picture below.



Important Note: this parameter has to be checked only for print the area 2, for print the full card or the Area 1 this parameter have to be always unchecked.

The Print Tab maintain the same settings as indicated in the paragraph 3.1

Consumables Specifications

Ribbons and Retransfer Film

Consumables	XL8300
Color Ribbon	**Yield**
- YMCK	Up to 1,000 cards
- YMCKK	Up to 750 cards
- YMCK-UV	Up to750 cards
- YMCK-PO	Up to 750 cards
Monochrome Ribbon	**Yield**
- Black (K)	More than 2,200 cards* *depending on the amount of data to be printed

UV Printing Important Note
The UV print can only take place at the Area 1 "side" (upper part of the oversized card)

Oversized Cards

Card Specifications	
Dimension	85,60 mm x124 / 140 mm
Thickness	0,76 mm
Materials	PVC / ABS / PET-G

Cleaning Supplies

Cleaning	
Roller deep cleaning	Use cleaning kit
Card transport cleaning	Alcohol T-Card; Swops and Cleaning Cards

XL8300 Printer Specifications

Printer Specification Part 1

Features	XL8300
Printing technology	Retransfer Technology
Single side printing	Yes
Dual side printing	No
Print resolution	300 dpi
Monochrome (K) printing	Yes
Color printing	Yes
UV printing (only in the upper print area)	Yes
PO ribbon (only in the upper print area)	Yes
Print Speed (cph)	
Oversized monochrome “K”, Print Area 1 only	up to 128 cph
Oversized monochrome “K”, Print Area 2 only	up to 128 cph
Oversized monochrome “K”, Print Area 1 and 2	up to 80 cph
Oversized CMYK, Print Area 1 only	up to 85 cph
Oversized CMYK, Print Area 2 only	up to 85 cph
Oversized CMYK, Print Area 1 and 2	up to 51 cph
Encoding Options	
Contactless chip encoding	Yes
Interface Options	
USB 2.0	Yes (Standard)
Ethernet	Yes (Standard)
Card Feeder / Hopper	
Automatic card feed	Yes
Exceptional Card Feed	No
Input card feeder capacity (oversized cards)	100 Cards (0,76mm)
Output hopper capacity (oversized cards)	100 Cards (0,76mm)
Card Compatibility	
Card specification	124/140mm x 85,60 mm
Card material	PVC / ABS / PET
Printable Area 1 (Upper Area)	56mm x 85,6mm
Printable Area 2 (Lower Area)	55mm x 85,6mm
Card thickness	0,76mm
Operating Systems	
Windows 7 (32 and 64 bit)	Yes
Windows 8 (32 and 64 bit)	Yes
Windows 10 (32 and 64bit)	Coming soon
Software	
Driver	Standard JVC XID 8-Series driver

Printer Specification Part 2

Features	XL8300
Dimensions (D x W x H)	
Printer dimension printer engine only	322mm x 343mm x 411mm 12,67" x 13,50" x 16,18"
Printer dimension with card feeder and card hopper	322mm x 549mm x 411mm 12,67" x 21,61" x 18,07"
Weight / with feeder & hopper	14,6 kg / 15,6 kg 32,18 lbs / 34,38 lbs
Power Supply	
	Autoswitch 100VAC – 120VAC; +/- 10%; max. 3,5A 220VAC – 240VAC; +/-10%; max. 1,6A 50 / 60; +/- 5% Hz Power consumption 310W
Quality Standards	
	RoHS CE, FCC; UL/CSA; EAC --- Indoor use only Min/max operating temperature: +15°C to +30°C / 59°F to 86°F Humidity 35% to 70%RH without condensation --- **Note**: When using PO or UV ribbons: Min/max operating temperature: +17°C to 28°C / 63°F to 82°F Humidity 35% to 60%RH without condensation --- Min/max storage temperature: -15°C to +55°C / 5°F to 131°F Storage humidity 20% - 80%RH, no condensation
Security Features	
Consumables Security	Standard retransfer ribbon protection Dedicated ribbon project code on request
Warranty	
Printer Unit	36 Month
Print Head	Lifetime Warranty Conditions apply, refer to warranty conditions for Matica Retransfer Printer

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