Offset adjustment procedure
Pebble 3-4 / Dualys 2-3 / Securion

Output hopper   **Printing Direction**   Input feeder

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X offset

Pnw Value

Y offset

Pnl Value
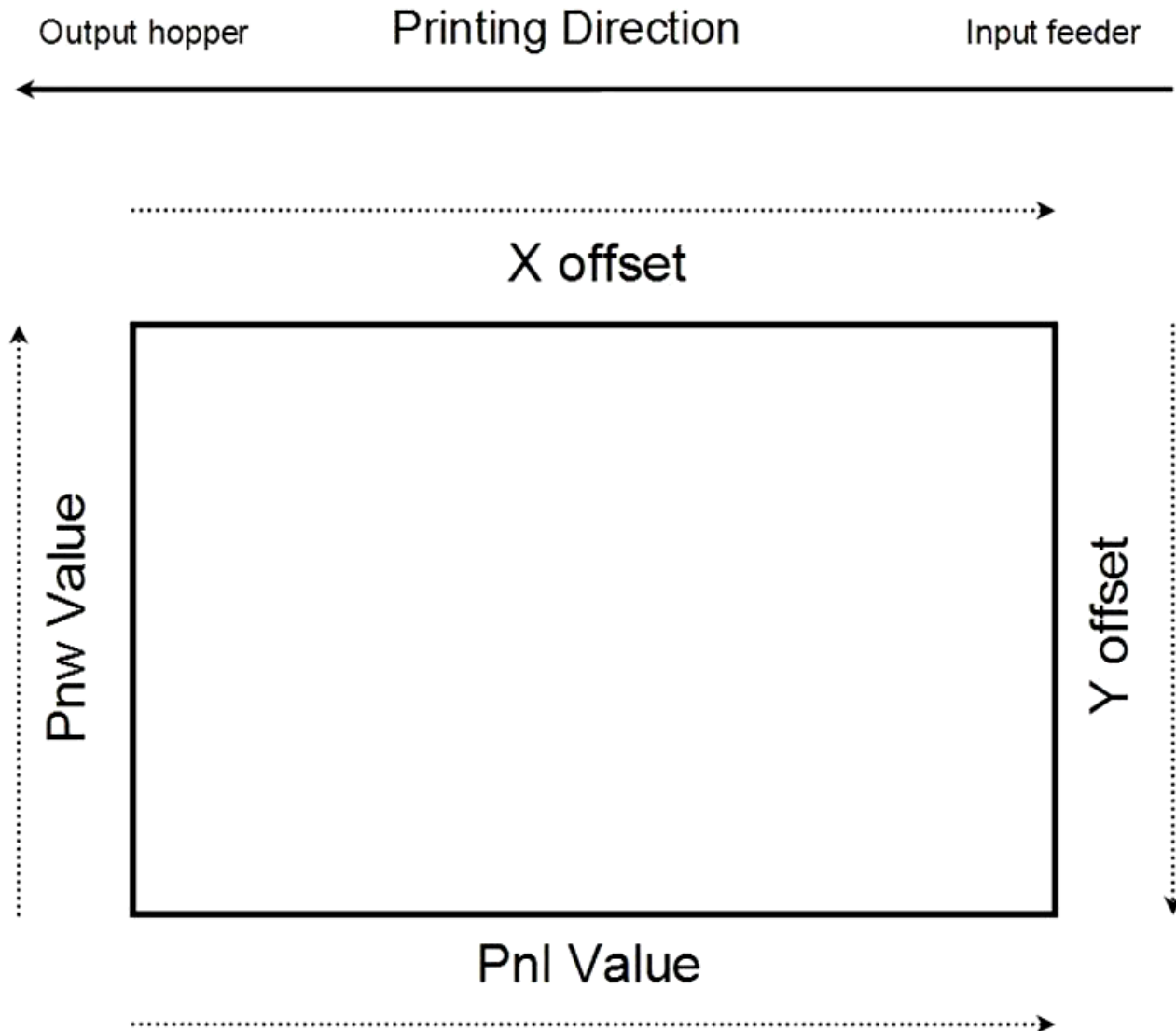
1) <u>Print a technical test card to get the offset default values:</u>

In the **driver properties/Tools/Dialog with printer**, send the following command:

Stt

TECHNICAL TEST CARD

Type printer: Pebble 3 Mag
Printer S/N :   044220004
Firmware Version :   0506
Print Head Kit N° : 308-47-00327-B
X-Y-Smart Offsets: 9   -9   - 400
Printed Lines L/W : 1002 L/ 636 W
Inserted Cards 4 : 3331   G: 3332
Cleaning Cycles H: 5 / 522 / 1101
Cleaning Cycles G: 5 / 522 / 1101
Pf: 84   Pp: 119 Po: 116 Pr: 118 Pc: 57 Py: 74
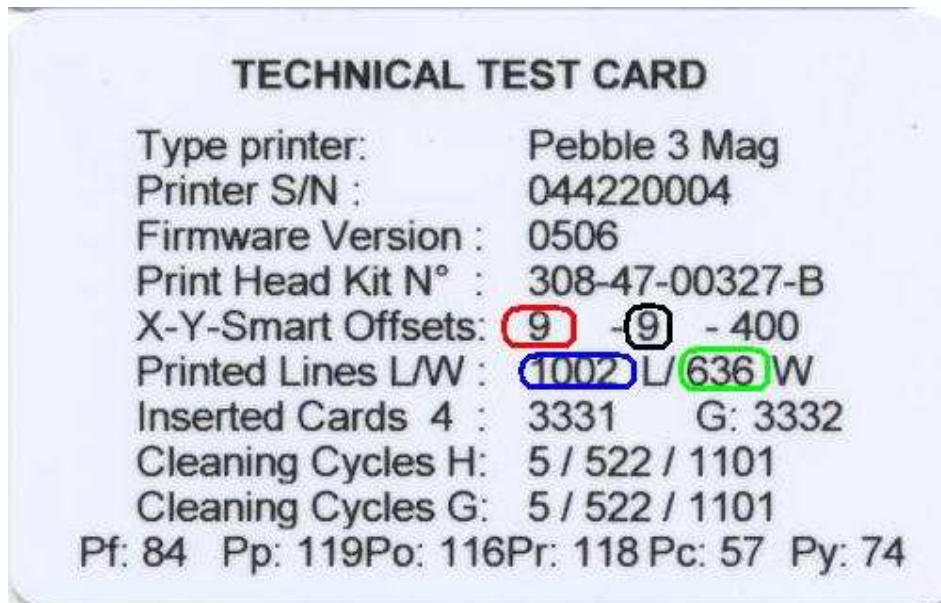
X offset value	Y offset value	Vertical printed lines	Horizontal printed lines

2) <u>Offset reading commands:</u>

In the driver properties/Tools/Dialog with printer, send one of these commands:

Ry   (Y offset value)
Rx   (X offset value)
Rnl   (vertical printed lines)
Rnw (Horizontal printed lines)

3) <u>Offset adjustment commands:</u>

In the **driver properties/Tools/Dialog with printer**, send one of these commands:

Px;=;Value   (Vertical printing start - Increase this value to move the design to the right of the card)

Px;+;Value
Px;-;Value

Py;=;Value   (Horizontal printing start; increase this value to move the design to the bottom of the card)

Py;+;Value
Py;-;Value

Pnl;=;Value   (Increase this value to increase the number of vertical printed lines on the right hand side of the card)

Pnl;+;Value
Pnl;-;Value

Pnw;Value   (Increase this value to increase the number of horizontal printed lines on the top of the card)

4) <u>Tips</u>

- Adjust the X offset <u>before</u> the Pnl value.

- To reduce the margin on the right side, increase the Pnl value one-by-one.
→   Do not set it directly to the maximum value (1016).

- If you increase or decrease too much the Y offset value or the number of horizontally printed lines, you will see wrinkles along the edges of the design.

- If you reduce too much the X offset value, the printer will cut the ribbon or nothing will be printed on the card (because the print head starts to print before the card)

- The values are in dots (12 dots = ~ 1mm), so adjust them one-by-one.

5) Sample of adjustment:

Printing direction

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Sample1:
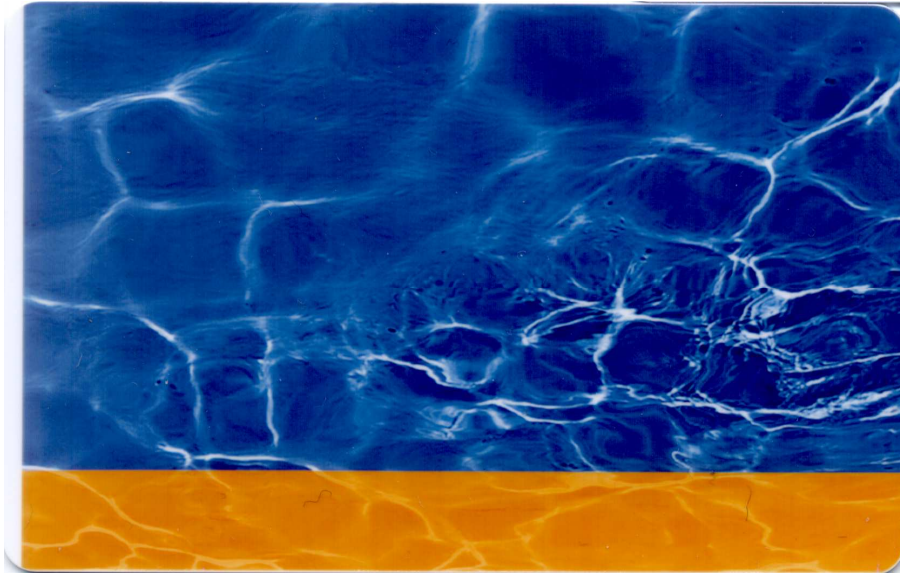
- A white margin can be observed on the left of the card.

Solution:

Reduce the X offset to move the image on the left of the card (12 dots = ~ 1mm).
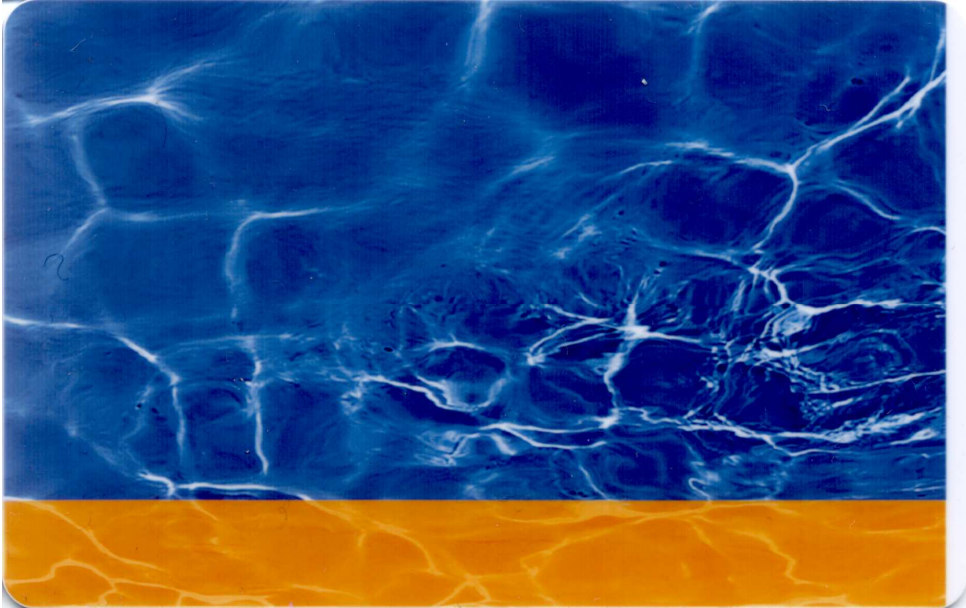
Commands:

Px;=;Value

Px;+;Value

Px;-;Value

Sample2:

- A white margin can be observed on the left of the card.

Solution:

Increase this value to increase the number of vertical printed lines on the right hand side of the card (12 dots = ~ 1mm).
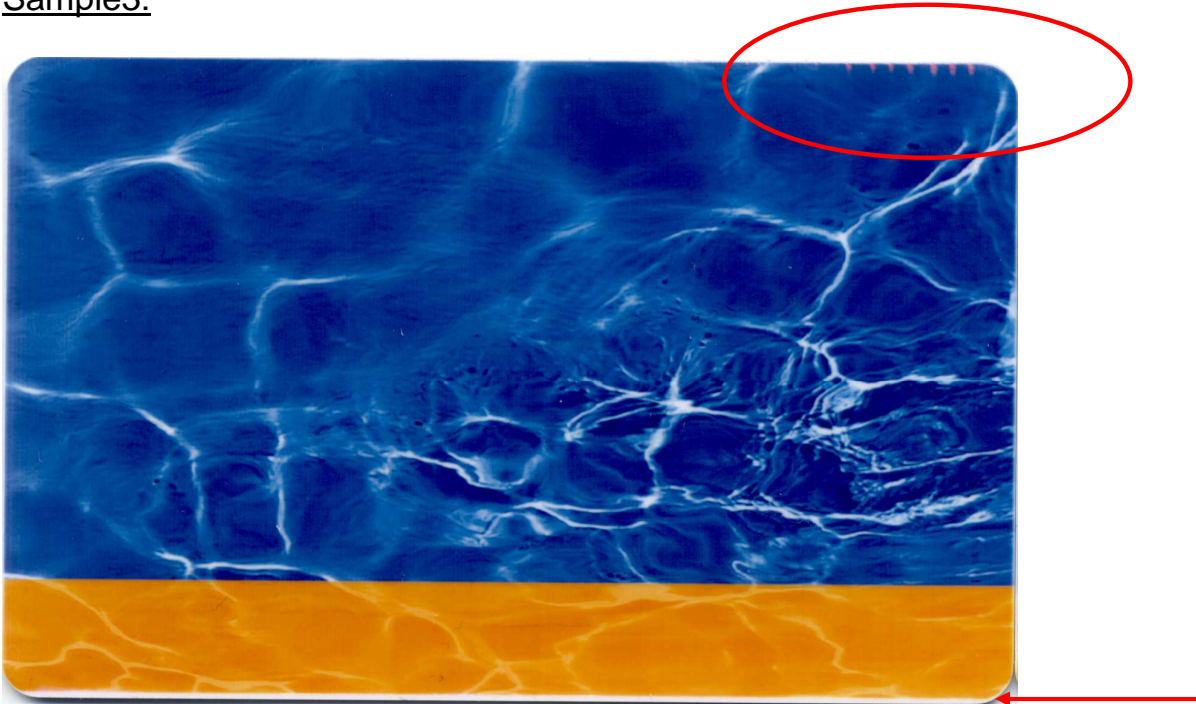
Commands:

Pnl;=;Value

Pnl;+;Value

Pnl;-;Value

Sample3:

- A white margin can be observed on the bottom of the card or/and wrinkles are on the top of the card.

Solution:

Increase the Y offset to move the image on the bottom of the card
(12 dots = ~ 1mm).

Commands:

Py;=;Value

Py;+;Value

Py;-;Value