

PROJECT SPECIFICATION- EXPLORATION

Warehouse Management

The orders will all appear in the Warehouse Management System (W.M.S).

The user will be able to filter by the type of automation and then select the orders that they wish to process/ Print.

The Graphic designer will not see the product images, but will review the text in the same alignment PDFs that are being currently used.

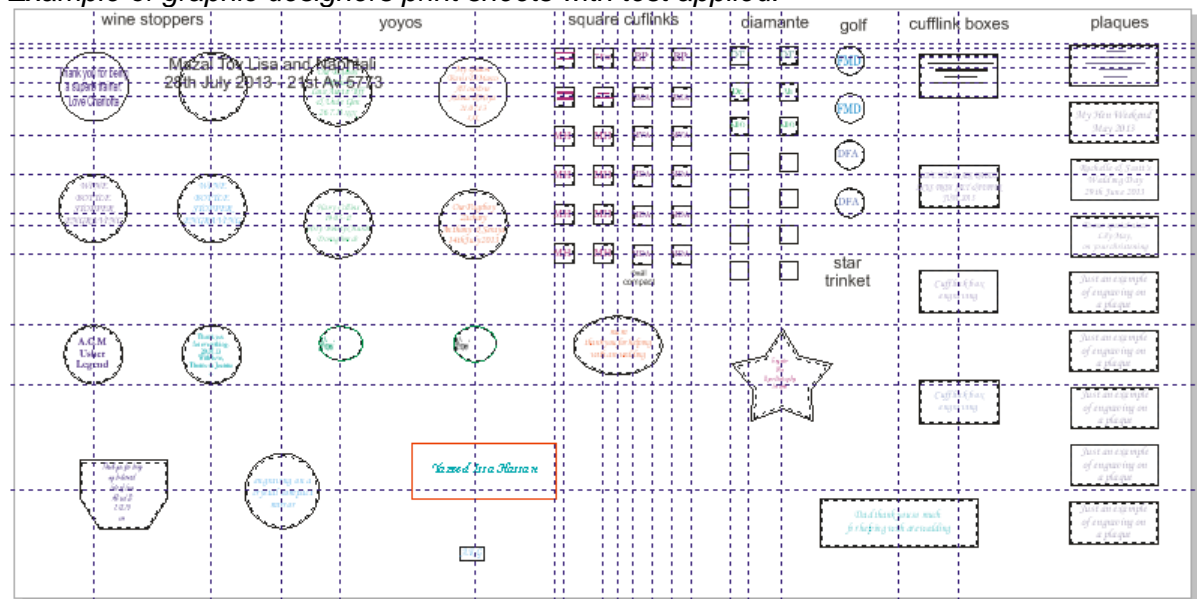
Example of Fulfilment filtering in WMS.

The screenshot shows a WMS filtering interface with the following fields:

- Order Number:
- Name:
- Customer Email:
- Start Date:
- End Date:
- Order Flag Type:
- Source:
- To Pick/Ship:
- To Pick/Ship:
- Show products:
- Filter By dropdown menu:
 - Full Automation
 - Partial Automation
 - Manual
- Filter button:

| +/- | Order Number | Order Date | Customer Name | Source | Order Flag | Ready to Pick | Printed | Ready to Ship | Shipped | Shipped Date | Carrier | Status | Action |
|-----|--------------|------------|---------------|--------|------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------|------------|--------|-----------------------------|
| + | 101120 | 12/06/2013 | admin egghead | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Royal Mail | Open | Cancel Order View Details |
| + | 101119 | 21/05/2013 | admin egghead | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Royal Mail | Open | Cancel Order View Details |
| + | 101118 | 15/05/2013 | admin egghead | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Royal Mail | Open | Cancel Order View Details |
| + | 101117 | 13/05/2013 | admin egghead | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Royal Mail | Open | Cancel Order View Details |
| + | 101116 | 08/05/2013 | admin | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | DHL | Open | Cancel Order View Details |
| + | 101115 | 24/04/2013 | admin | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Royal Mail | Open | Cancel Order View Details |
| + | 101114 | 22/04/2013 | admin | | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | Royal Mail | Open | Cancel Order View Details |

Example of graphic designers print sheets with test applied:



Example of graphic designers print sheets with test applied:



FRONT END CUSTOMER – PRODUCT VISUAL REPRESENTATION “Preview”

The front end personalisation will be a text over layer on the product image.

To ensure the text aligns correctly there will be a need to be tailor this solution for different types of product. E.g. Cutlery engraving text will appear in one position, Picture engraving the text will appear in two positions.

This will result in a new product page template for each product range/ type of product.

The areas that will need to be tailored for each product are:

- Character limit/ font size
- A “style template” (if needed).
- Number of lines of text.

This will also mean that the product images will have to be cropped/ new pictures taken by Keepitpersonal to ensure that they align up with this area.

The following are examples of the different product pages required and how this will affect the fulfilment.

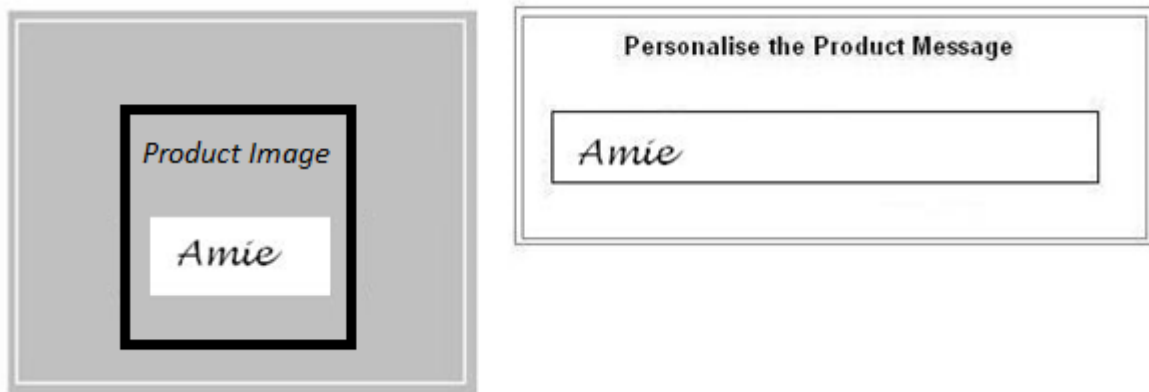
FRONT END Product Visualisation “customer preview”-

Standard Shapes:

This covers all the cutlery products (which all similar in size).

Please note: that in that this feature could be adapted to other popular products in the future.

Front End Visual Representation Feature.



The customer can on all cutlery products add their own text which will be a text over lay.

The customer will have choices on font type or font size. (fonts and sizes to be agreed in development)

There will need to be a limit on characters to fit the product item. This text limit can be tailored for every product in the cutlery range.

The system will “zoom in” (show a close up image) to the product handle and text over lay.

Fulfilment Example

This is anof the example of what the graphic designer/ operator will see before printing.

Please note; This is the same operator alignment screen they current see.



There are 6 cutlery pieces in each set, which will result in 6 print areas in the template. When the Graphic designer send this to print, 6 items will be printed at once. Not wat is currently the case of one item at a time.

1. Curved Shaped products “Rotary Printing Products”

Rotary printing is a different type of printer which handles curved products easily. This covers the following products:

- Pint glasses
- Some Champagne Flutes
- Wine Glasses
- Whiskey Glasses

Visual Representation

The personalisation will be limited to two or three styles per product. Please note: More styles can be added. This will increase the tasks in the WMS/ manual adapting process.



Personalise the Product Message

Classic
Groovey

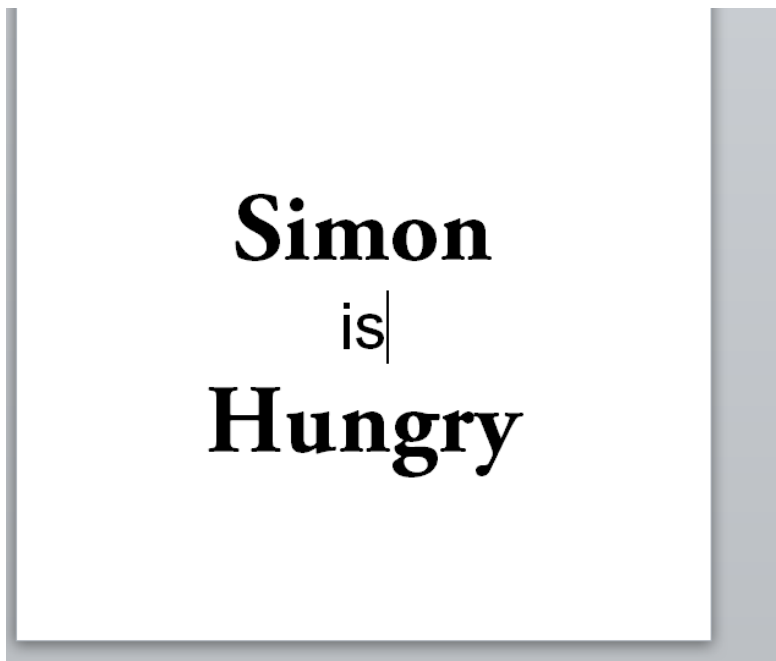
Text to appear first line
Simon

Text to appear second line
Is

Text to appear third line
Hungry

Automation

- The WMS will display all the orders.
- To enable the Operator to be more efficient there will be the ability to filter these orders and then select the items he wishes to print out in batches.
- The operator will then open Graphic designer preview screen as current.
- The text will appear in the template.



In the WMS under each product item that has been selected there will be the style information which the operator will use to apply to the print template.
This takes away the need to copy and paste the actual text.

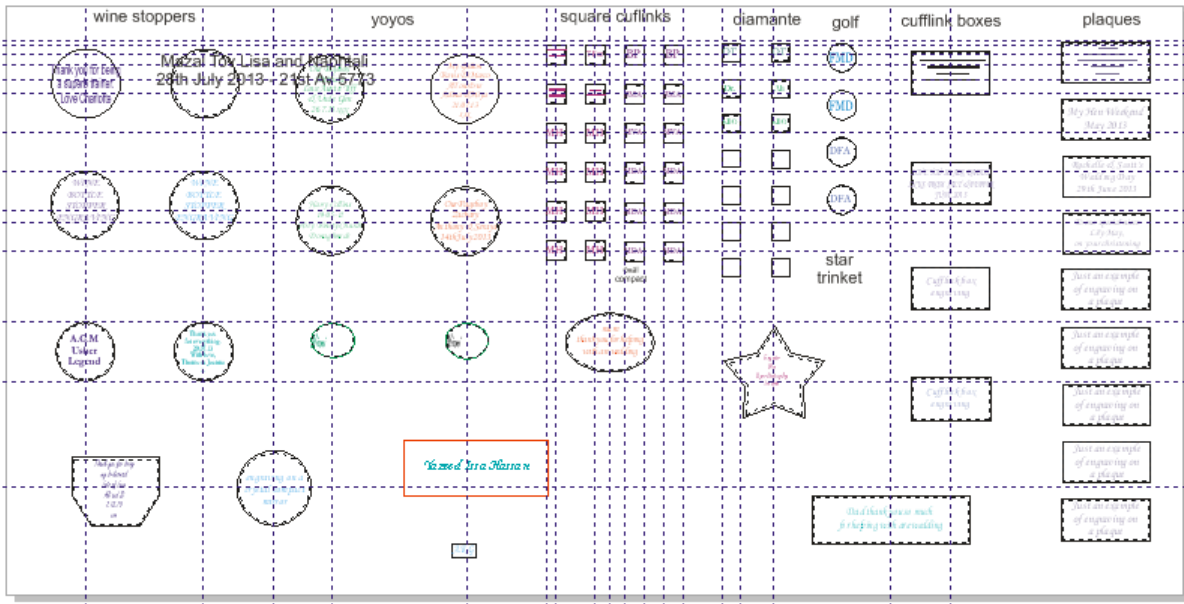
2. Small Engraving- ODD Sized Products- Manual batch printing

This category covers two types of product types.

1. Products that are currently printed out on a printer where the “bed” moves up and down to compensate for the curvature of the product, this uses a coloured template which the printer understands to be a movement in depth.

We are confident that a process can be applied to this type of product, however more investigation would be needed to fully explore this.

2. This is for products with big differences in the print area.



These products are printed out in “one run” and the products are contained in a large plastic frame of many different types of products.

Although we feel confident that it would be possible to automate this process, we feel at this stage it would be more effective to revisit this in the future.

How to handle these types of orders

Visual representation

The customer can add text into the lines and tailor the font style and size.

We recommend reducing the choice to the popular fonts and sizes as much as possible without comprising the “personalisation element for the customer.

Personalise the Product Message

Text to appear first line
 0 Arial **▼** Small **▼**
Medium
Large

Text to appear second line
 0 Arial **▼** Size **▼**

Text to appear third line
 0 Arial **▼** Size **▼**

Text to appear forth line
 0 Arial **▼** Size **▼**

We can a different product page for products that only require one, two, three, and four personalised text lines.

Automation

- The WMS will display all the orders.
- The operator will filter these orders and then select the items he wishes to print out.
- The WMS will display the text and styles in an efficient way operator which the operator will then use to apply to a template.