



**Professional Audio &  
Data Services**

**TEL: 0870 350 8225**  
**www.musicalcocktails.com**

5 Northwood Way  
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**CD/DVD Duplication**  
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# CD ON-BODY SCREEN PRINT SPECIFICATION NOTES

Please read through these pages carefully **before** commencing artwork.  
If your files are supplied out of our specifications or are not press ready, delays and extra charges may be applicable.

## The Screen Print Process

There are two different kinds of screen printing. One is named as **CMYK Process** and the other is **Spot Colour**.

## Details for CMYK Process

CMYK Process is used to reproduce graphics and pictures which are full colour (like colour photographs) This is the only method of screen printing that can reproduce full colour graphics on your discs.

CMYK Process uses 4 primary colours to reproduce all of the many different colours on your disc artwork. Usually this type of printing will be regarded as 5 colour, this is because we have to print the raw disc with a white background layer if your artwork requires this.

The CMYK Inks are transparent if another colour is printed on top. This gives the possibility to create all the colours in your artwork, but also creates the possibility of colour-changing effects. (This depends on the density of the colours in your artwork and similarly the density by which the inks are printed.)

## Details for Spot Colour

Spot Colour printing is used to create an exact colour match and much more vibrant colours to your disc. Exact colour matches can be achieved as the inks are mixed specially for each job. This mixing is referenced exactly to the specified Pantone Colours in your designers artwork. If a close colour match is required this is the method of printing.

## Preparing Your Artwork

Before you start designing your artwork, please have a look at the specification sheets which follow this page and choose whether your artwork needs to go into the centre ring of the disc. Then choose between specification 1 or 2

Sheet 1: Disc On-body Print (outer ring only)  
Sheet 2: Disc On-body Print (outer & inner ring)

## Artwork Programs

We recommend you use a vector based graphic program to assemble your artwork, the following programs are suitable and also available to purchase from us.

1. Adobe Illustrator
2. CorelDraw
3. Macromedia Freehand
4. QuarkXpress

## Supplying Your Files to Musical Cocktails Limited

Please save all files for screen printing as EPS files.

1. Export all images and text at 300dpi
2. Export with all text saved as curves

If it is not possible to save your files as detailed above, please contact us for high resolution .pdf requirements

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**Please see over for some essential notes**



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## Essential Notes

1. A bleed of any type must **not** be used for **CD on-body print**
2. Objects must **not** extend beyond the print area
3. Bitmap photographs or graphic images(Tif,JPG,Gif,Bmp) **must** be originated at 1200dpi minimum (your images may look pixilated if they are of lower resolution than this)
4. Only include lines that are to be printed, please remove any guidelines / key lines that you have used
5. Keep all important text and logos etc. at least **2mm from the edge** of the print area
6. Always set your output to **CMYK** when the image to be printed is full colour, never use RGB
7. Always set your output to **Grayscale** when the image is to be printed **Spot Colour**, never use RGB
8. If your artwork requires a white base to be printed on the disc you need to provide a file for this
9. All **Spot Colour** including white in the artwork must be represented as black, therefore you must convert all images and text to black on your computer screen before exporting to EPS
10. All **Spot Colours** must be separated and saved as separate EPS files
11. For **CMYK** Process work a **match print** or **Cromalin** must be provided
12. Reversing out text should ideally only be reversed out of a solid fill wherever possible (reversing out of a percentage fill can cause less clear text)
13. Text sizes must be size **5 point minimum** for positive print (text over printed) and size **6 point minimum** for negative print (text reversed out of image)
14. The correct Philips Compact Disc / DVD Logo must be used.

Please contact us for more information if required  
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15. Whilst screen printing as a process is very good there are some limitations when it comes to graduated images. A totally smooth graduation is not possible. Very good results can be achieved though by sticking to within a 20% - 80% dot range. (Your computer generated fill must not drop below 20% of a solid fill or it will disappear and over 80% of a solid fill will print solid, so no graduation will be evident)
16. Please note that a CD/DVD has a non-porous surface, this is very different to Litho print for paper. Because of this, exact colour matching is not possible, although colour matching can be assisted by using a white base coat of print rather than the silver surface of the raw disc.

## Supplying Films

1. All films must be - Positive Right Reading  
Emulsion Side Up  
100 lpi with dot range 20% - 80%
2. For Full Colour Process the angles must be as follows:  
Black 45  
Magenta 75  
Cyan 15  
Yellow 0
3. For all films registration marks must be in place as shown on specification sheet 1 or 2 along with the Pantone reference number specifying the colour to be used for all spot colour films
4. If a white base is required please supply a film
5. Only the shaded area in the diagram can be printed, All other areas cannot be printed. Only supply film if it meets these specifications exactly
6. All spot / pantone colour artwork must be converted to black before any films are output
7. Ensure there is No Bleed for disc on-body print.

If you have any questions or wish us to amend your artwork to fit our specifications please contact us as required  
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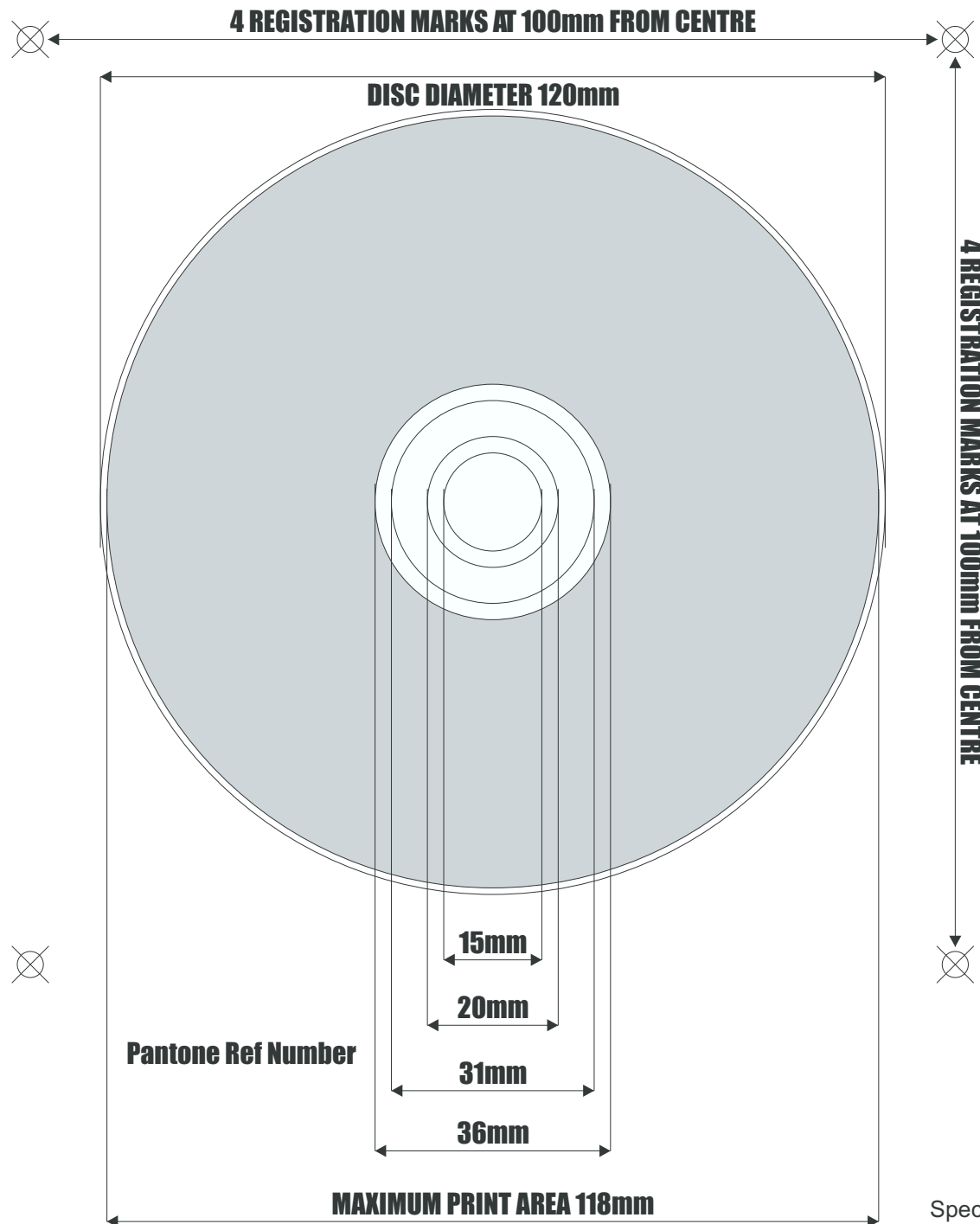
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# CD ON-BODY SCREEN PRINT SPECIFICATION - 1



## Printable Area

1. All images and text must fall within the shaded area
2. All text must be at least 2mm away from the edge of the shaded area
3. Registration marks must be placed on all files/ films
4. All completed spot colour files must contain the specific Pantone reference number (as shown in this diagram)

**Should you have any questions concerning artwork**

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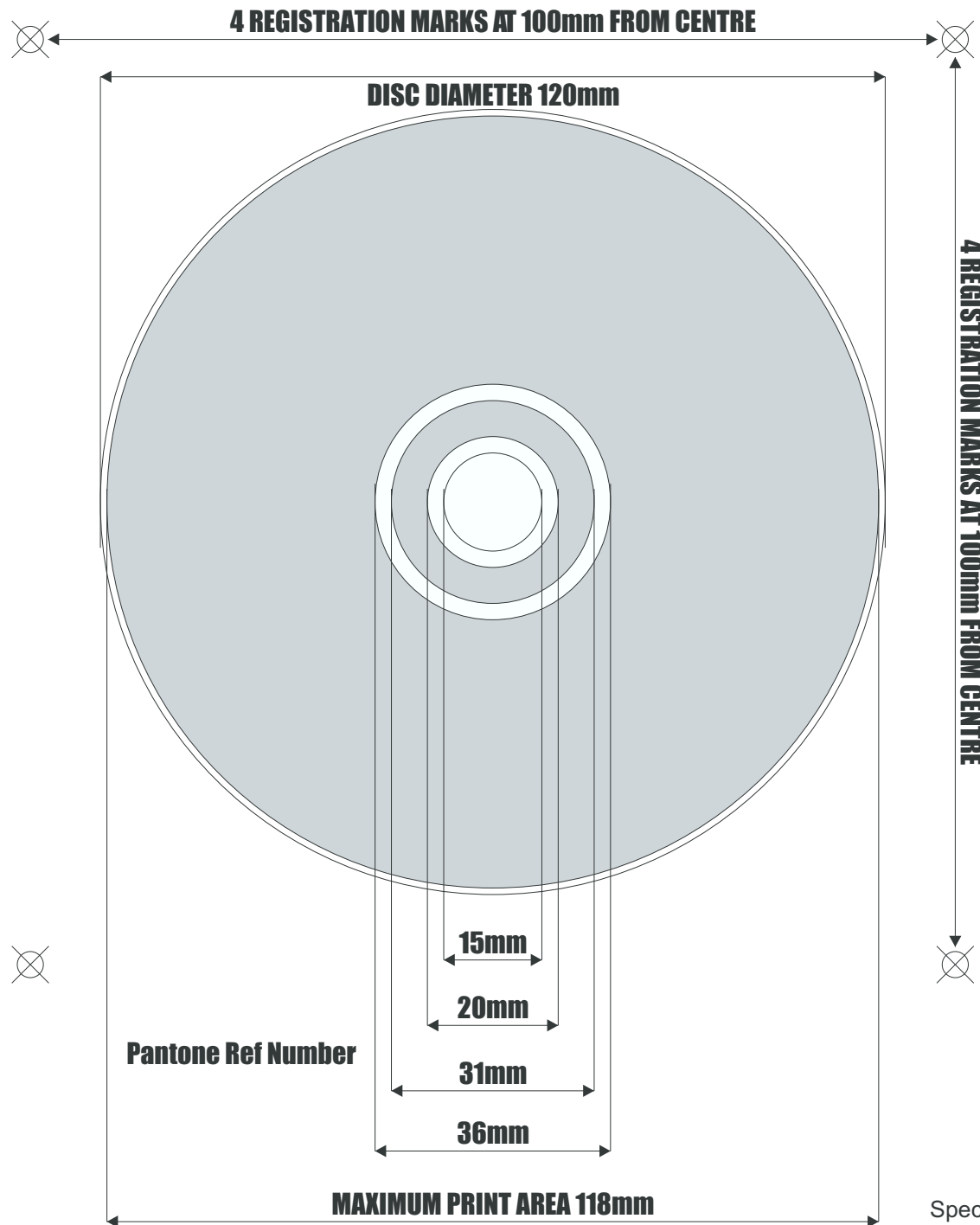
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# CD ON-BODY SCREEN PRINT SPECIFICATION - 2



## Printable Area

1. All images and text must fall within the shaded area
2. All text must be at least 2mm away from the edge of the shaded area
3. Registration marks must be placed on all files/ films
4. All completed spot colour files must contain the specific Pantone reference number (as shown in this diagram)

**Should you have any questions concerning artwork**

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