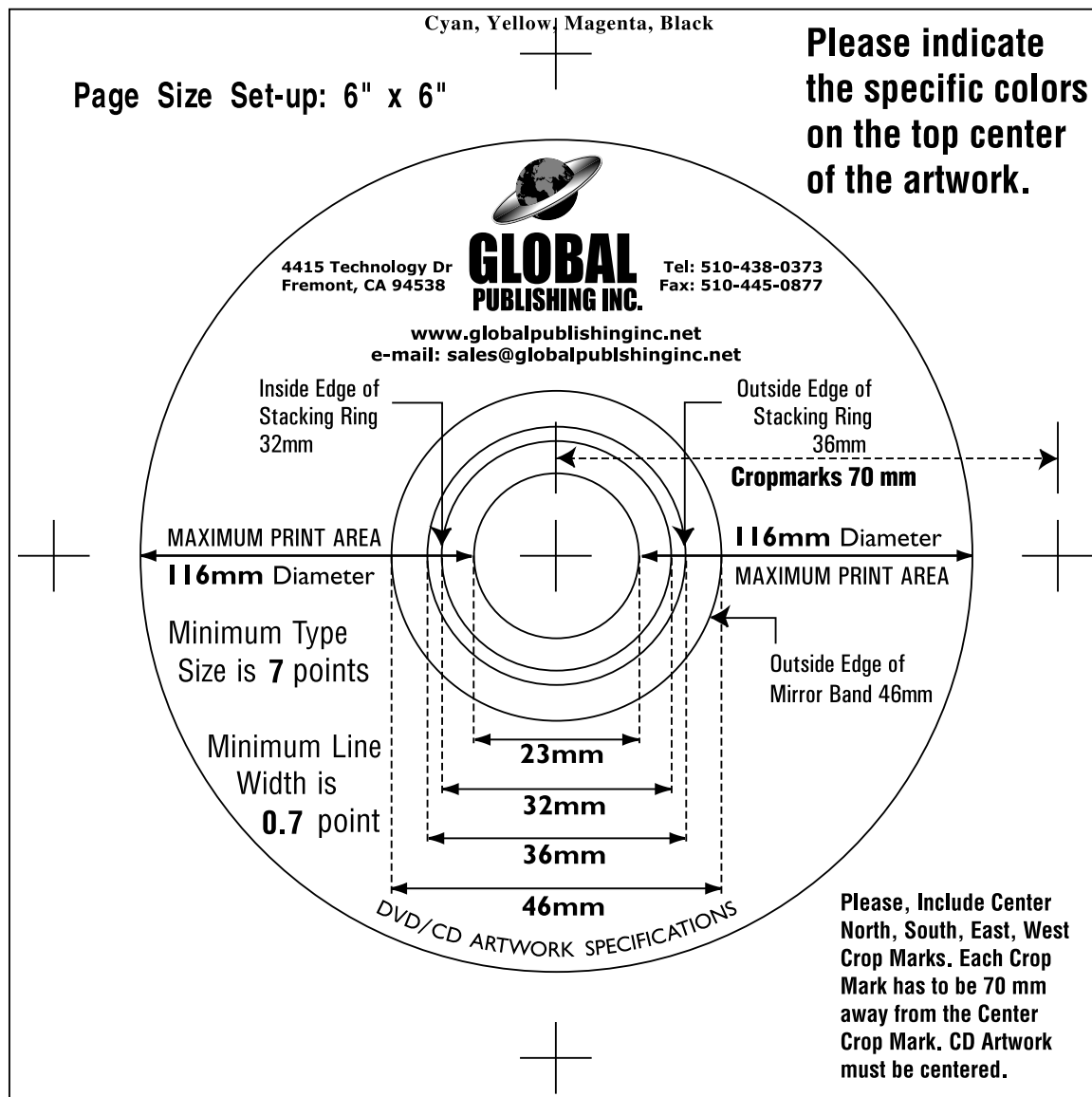


OFFSET CD/DVD ARTWORK SPECIFICATIONS



ARTWORK PAGE SET UP:

- Page size set up of 6 inch x 6 inch.
- CD Artwork must be centered within the page at 3 inch x 3 inch

CROPMARKS:

- All CD artwork needs Centered, North, South, East, West crop marks on all plate separations.
- Each cropmark must be 70 mm apart from the center.

Minimum Type Size is 7 points.

Minimum Line Width is 0.7 point.

NON-PRINTABLE AREAS ON CD:

- MAXIMUM PRINTABLE AREA IS 116 mm. ARTWORK MUST NOT EXCEED THIS LIMIT.
- Stacking ring is a non-printable area which is: 32 mm - 36 mm. ARTWORK MUST NOT PRINT INSIDE.
- Inner ring 23 mm is also a non-printable area.

COLOR SEPARATIONS AND SCREEN ANGLES:

-Make sure all linked images are in the correct image mode. Images should be converted to CYMK = Four Color Process or, Specified Spot Color = PMS, PANTONE NUMBER. (specify PMS number)

-SCREEN ANGLES should be set up as: Cyan=15 degrees; Magenta=75 degrees; Yellow=0 degree; Black=45 degrees. It is important to specify this to a service bureau, if you plan on providing film.

ARTWORK WITH HALFTONE SCREEN, TINTS AND VIGNETTE GUIDELINES:

-The dot density of screen tints and vignettes should be limited to between 20 % and 80 % and should utilize an euclidean dot.

WHITE BACKGROUND DONUT:

-White background is used as a base, usually with a four color process, in which it helps with color to appear more vivid and opaque verses being printed on a silver CD disc. A WHITE BACKGROUND DONUT IS A CUSTOMER PREFERENCE.

-If you require a white background to be printed as a base for your artwork, you must create a separate background donut, along with your file. Note: background donut must be the same dimensions as original CD artwork.

THIS WILL REQUIRE AN ADDITIONAL PIECE OF FILM.

To do this, use original dimensions of CD and create a black fill, with stacking ring dimensions 32 mm - 36 mm knocked out > a white fill within stacking ring dimensions will knockout the black in this non-printable area.

ELECTRONIC FILES:

-ARTWORK PREFERS TO BE SAVED IN EPS FORMAT or native format of Adobe illustrator (.ai).

-Please, CONVERT FONTS TO OUTLINES or INCLUDE ALL FONTS, screen font and printer font.

-Include all linked images:EPS, or TIF.

-Make sure all linked images are in the correct image mode. Photo half-tone images should be converted to CMYK = FOUR COLOR PROCESS or, specified SPOT color number = PMS.

-SCREEN ANGLES should be set up as : Cyan=15 degrees; Magenta=75 degrees; Yellow=0 degrees; Black=45 degrees.

LINE SCREEN 175 LPI

2400 DPI. Euclidean dot shapes.

FILM:

-CD film is always NEGATIVE RIGHT READING EMULSION DOWN, RRED.

-Line Screen is 175

-2400 DPI. Euclidean dot shapes.

-CD artwork must be centered on a 6 inch by 6 inch page.

-CD artwork must have centered crop marks and crop marks positioned North, South, East, West. Crop marks are placed 70 mm apart from the center.

-SCREEN ANGLES should be set up as: Cyan=15 degrees; Magenta=75 degrees; Yellow=0 degrees; Black=45 degrees. it is important to specify this to a Service Bureau, if you plan on providing film.

-All four color process (CMYK) jobs will need an overlay proof, additional cost of the proof and film to create the proof is the sole responsibility of the customer.

-Artwork that is one color or more spot, must have a color laser, or 3M Rainbow Proof.

-IF YOU REQUIRE A WHITE BACKGROUND TO BE PRINTED AS A BASE FOR YOUR ARTWORK. YOU MUST CREATE A SEPARATE BACKGROUND DONUT, ALONG WITH YOUR ORIGINAL FILE. THIS WILL REQUIRE AN ADDITIONAL PIECE OF FILM, AND MUST BE SPECIFIED.

PROOFS ARE NEEDED ALONG WITH FILMS:

-All four color process (CMYK) jobs will need an overlay proof or Matchprint, additional cost of the proof and film to make the proof is the sole responsibility of the customer.

-Spot colored jobs will need a fiery (color laser proof) or 3M Rainbow proof.

MAKE SURE CD ARTWORK IS CENTERED AND WITHIN CD ARTWORK SPECIFICATIONS (REFER TO FIRST PAGE). ARTWORK THAT EXCEEDS NON-PRINTABLE AREA AND THAT DOES NOT MEET SOFTWARE DUPLICATION SERVICE SPECIFICATIONS WILL BE REJECTED FILM AND RETURNED TO CUSTOMER FOR MODIFICATION AND RE-OUTPUT OF FILM, THIS MAY DELAY JOB FOR FINAL SHIPMENT. ALL ADDITIONAL CHARGES FOR MODIFICATION AND RE-OUTPUT OF FILM WILL BE CUSTOMERS RESPONSIBILITY.

FAILURE TO COMPLY WITH CD ARTWORK SPECIFICATIONS WILL REQUIRE A SIGNED WAIVER FORM FROM THE CUSTOMER BEFORE SOFTWARE DUPLICATION SERVICE CAN PROCEED WITH CUSTOMERS JOB. IF YOU HAVE QUESTIONS, PLEASE, CONTACT: GRAPHICS OR SALES.