Standardization of Flexo Printing

Technical Guidelines - Digital Pre-Printing Stages

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cyan, magenta, gelb, tiefe
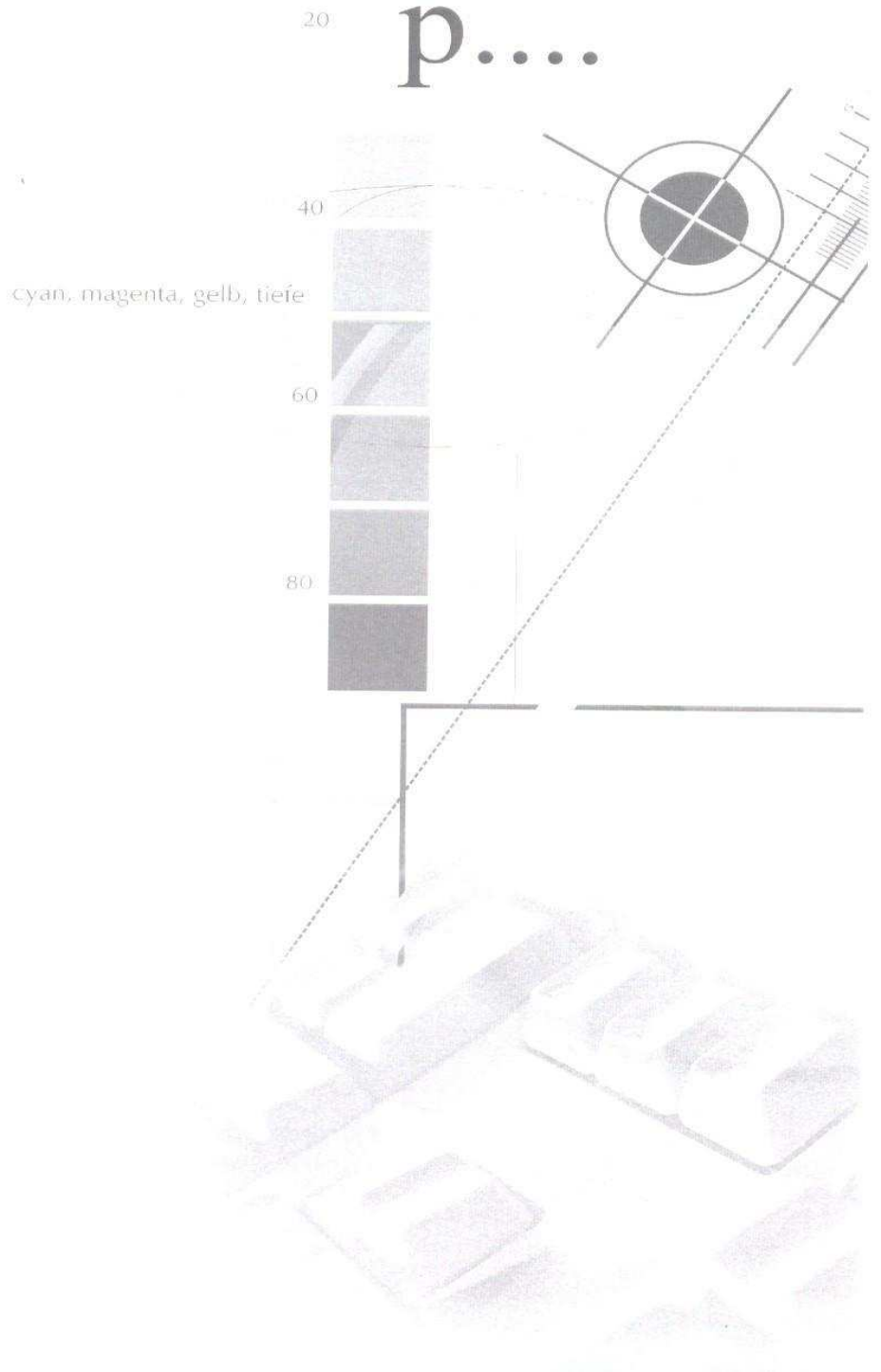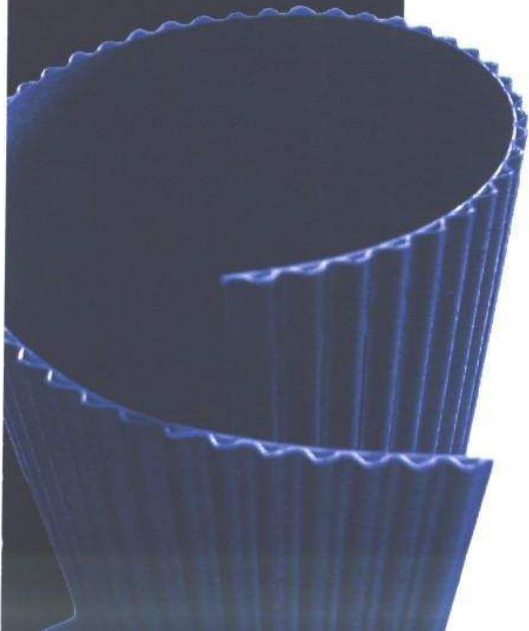
„Digital?"
„Certainly!"

Meanwhile, the supply of data to our
production plant has almost become a matter of course.
In order to avoid delays and additional expenses in the digital pre-
printing stage, it is extremely important that data elaboration
corresponds to our technical guidelines.
That is why we prepared the following workflow-oriented check list
in cooperation with our litho units.
This shall – with reference to the order concerned – ensure the
proper provision and transfer of data and thus a smooth handling.
In order to make the documentation of your data supplies easier you
will find enclosed a printed form which you can copy and attach to
the individual jobs.
Any deviations from our technical standards should be expressly
agreed upon with us in advance.

If there are any further questions or wishes, do not hesitate to
contact us at any time.

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Check List

Technical Guidelines

☐ **Punching contours**

    ☐ Always use an **original punch** for the graphic design
(may be requested from G+O in data form, if necessary)

    ☐ Keep **glue surfaces** free from ink and print varnish

    ☐ Create punching contour in a file as additional colour entitled
PUNCHING CONTOUR

    ☐ Identify punching contour with **L, W und H dimensions**

    ☐ A **trim allowance** of 10 mm must be created around the punching contour.

☐ **Process/Special Colours**

    ☐ Specify precise **number** of colours to be printed

    ☐ **Special colours** to be specified as HKS, Pantone or RAL
full tone colours or to be agreed upon according to a binding
specimen copy

    ☐ In case of **Euroscale**, precisely check four-colour separation
to make sure the desired printing results are achieved

    ☐ Prepare colour legend for all colours used

☐ Imprintings

    ☐ Feed max. 190 % (surface) colours on top of each other – 250 %
image

    ☐ Min. 3 % in colour gradation

☐ **Codes (e.g. EAN)**

    ☐ For codes, only use corresponding placeholders

    ☐ Precise details as to type, size, number and colour

    → will be used accordingly by G+P

Check List

☐ **Operating System**

☐ MAC and WINDOWS – operating systems are possible

☐ Legenda: Please submit printed legenda together with CD-ROM/DVD

☐ **Software**

☐ Precise designation of **application programme** including individual **programme version**

☐ Use **PostScript-generating** application programmes to provide data to be supplied

➡ Illustrator
➡ Freehand
➡ Quark-X-Press
➡ Photoshop
➡ CorelDraw

☐ **Fonts**

☐ Preferably use **ADOBE TYP 1 – FONTS**

☐ In case of PostScript or EPS-Data supply, in addition do also provide **open programme files**

☐ All fonts used to be supplied with
➡ complete PostScript character set saved

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Check List

☐ **Image Material**

   ☐ The following **scan definitions** are recommended to avoid quality losses:
- → **Halftone images**, 30 % screen, scale 100 % with 200 dpi
- → **Line images** with 800 dpi – 1200 dpi

   ☐ See to the following if **coarse data** are used
- → Clearly identify coarse data in the document
- → Corresponding **fine data** (see scan resolutions) must also be provided if coarse data are used in the layout

   ☐ File formats recommended: **TIFF**, **EPS** or **SCITEX CT**
- → Due to quality losses no JPEG or DCS files should be used.

   ☐ Nested EPS files should be avoided.

   ☐ **Linked halftone and line images** are to be saved with the document. Screen courses from 3 – 100 %

☐ **Graphic Elements**

   ☐ The spacing of graphic elements and texts to cut and creasing must be adapted to the individual type of flute (B, BC, BE, CG, E and G-flute) (3-5 mm)

   ☐ **Line thicknesses** should be at least 0.5 mm (**no hair lines)**

   ☐ Combinations of image and line elements must be correspondingly **over or underfilled** (0,4 mm)

Check List
Data Transfer

☐   On principle possible by **data carrier** or **remote data transmission**

☐   Remote data transmission only after **previous agreement** with G+P

☐   Precise **volume of data** must be specified

☐   Attach printed **Table of Contents**

☐   **Clear** identification of data
    ➜   All data must be supplied in the most recent binding version. Data must agree with the order placed.

☐ Text/Layout contract proofs

☐   Attach the following printouts for checking of text, layout and ink distribution:
    ➜   **All-colour printout** with file names
    ➜   **Colour-separated printouts** with colour details

☐   If screen proofs (**PDF-files**) are supplied, these should be created with the programme Acrobat Distiller:
    ➜   Fonts and Logo must be embedded in the file
    ➜   Data should again be checked with the corresponding programme.

☐ Colour contract test proofs

☐   The following test proofs may be used to match the scale colours.
    ➜   Analogproof/Cromalin
    ➜   Digitalproof with simulation of the printing material

☐   Use colour contract proofs for special colours.

Check List

☐ **Data Management**

If requested and in agreement with our clients we also accept responsibility for data management.
☐ Cost calculation upon request

GP

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- Please enclose the completed form with your data -

GP contact: _____

Client's name: _____
Contact: _____
Tel. extension: _____
Fax no.: _____
Date: _____
Signature: _____

Product designation:
_____
Order no.: _____
Customer no.: _____
Article no.: _____

Barcode type: _____ Size: _____

Punching tool no.: __ _____
Created as special colour: _____

Process and special colour designations:
❑ Euroscale
❑ Special colours
    ○ HKS   ○ Pantone   ○ RAL
    _____ _____ _____
    _____ _____ _____
    _____ _____ _____
    _____ _____ _____
    _____ _____ _____
    _____ _____ _____
    ○ like specimen copy (enclosed)

Finishing:
❑ Blind embossing
    created as special colour _____
❑ Hot foil stamping
    created as special colour _____
❑ Varnishing
    created as special colour _____

Operating system: ❑ MAC-OS Version: _____
                       ❑ WINDOWS Version: _____
                       ❑ _____

Software: ❑ ArtPro   ❑ Illustrator
                ❑ Freehand   ❑ Quark-X-Press
                ❑ Photoshop   ❑ CorelDRAW
                ❑ _____
                ❑ PostScript file

Fonts:
❑ Enclosed: ○ Adobe Type 1
               ○ Saved with full caracter set
❑ Not enclosed

Image material:
❑ Slides/reflective copy
❑ Fine data
    ○ Coarse data embedded in file
    ○ Dot gain with 60l/cm screen allowed for

Data transfer:
❑ Data volume: _____ MB
    ○ Data carriers (printed list of contents enclosed)
        ○ Disk   ○ ZIP   ○ SyQuest - removable disk
        ○ CD   ○ _____
    ○ ISDN (subject to consultation with G+P)
        on: _____
        ○ Leonardo ISDN no. _____
        ○ 4Sight ISDN no. _____
        ○ _____ ISDN no. _____

Text/layout contract proofs:
❑ Printouts enclosed
❑ Not enclosed
❑ PDF file (fonts and logo embedded)

Colour contract proofs:
❑ Enclosed as ○ Cromalin
               ○ Proof on production-run paper
                 (230g GD2)
               ○ Digital proof
               ○ _____
❑ Colour specimens from pre-run