

Identify the basic principles of layout and imposition, including the use and placement of the basic marks

PAPER SIZES

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IMPOSITION

[Imposition](#)

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The purpose of imposition is to optimise the printing and post-printing processes to achieve the most efficient and/or cost effective use.

The imposition of images will normally be undertaken using:

- (a) Manual systems
- (b) Imposition software

The factors to be considered when preparing imposition schemes or templates include:

- (a) The sheet size to be printed
- (b) the finished page or image size
- (c) The printing plate size on the machine
- (d) Any finishing operations after printing

The purpose of preparing a template or dummy is to identify the various image positions as they will appear on the printed sheet. The items to be taken into account when preparing the template include:

- (a) The image dimensions
- (b) Allowances (clamp, grip and trim)
For use during printing and finishing operations

Plate Clamp Allowance

The distance from the leading edge of the plate to the first allowable position of the image that will fall beyond the machine plate clamping mechanism.

Grip Allowance

The distance from the leading edge of the sheet to the first allowable position for the image that will fall beyond the machine gripper transfer mechanism.

Grip Edge of the Sheet

Edge of sheet which will be held in the printing machine's gripper mechanism.

Lay Edge of the Sheet

The edge of the sheet that is at right-angles to the gripper edge and is used to maintain accurate registration of the image from side to side.

MULTIPLE PAGE IMPOSITION

For multiple page imposition, there may be several possible imposition to choose from to achieve the required folded section. the actual choice will usually depend on the specification of the folding machine which is being used.

STEP AND REPEAT

Factors to be considered when planning step and repeat images:

- (a) All repeat images are identical
- (b) All repeat images are positioned accurately

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