

TECHNICAL GUIDE

Keep this handy technical guide somewhere safe as it not only contains details of all our plant and equipment but also detailed information about our extensive web and inline folding facilities.

MACHINERY

A comprehensive Plant List showing all our pre-press, print and finishing equipment specification.

FINISHING

Detailed information including material weights for folding directly from the web presses and useful information about cut-off and pages sizes.

FORMATS

To help show what's possible we've included just some examples of the many 'Press Finished Products' we are capable of producing with our sophisticated web and inline finishing systems.

This guide will give some indication of what we can achieve but for more information as to what's possible or if we can produce your specific requirements call us on **01536 483 401** or email info@eclipsecolour.com

PLANT LIST

PRESS

HEIDELBERG SPEEDMASTER

102 - 10 colour with cutstar
max sheet size 720 x 1020mm
max print area 700 x 1010mm
min paper weight 80g/m²
max paper weight 350g/m²
max speed (iph) 12,000
special features
reels or sheet production
10-unit perfect 5/5 or combination
straight 10 colours 1 pass
ink line
double sided spray capabilities
autoplate
auto-register
cpc 2000
cip3
image control
spectrophotometer
CITO - RSP inline finishing system -
perforating, cutting and creasing

M600 WEB-OFFSET

16pp 6 unit
cut off/reel width 630mm/965mm
max print area 618 x 954mm
min paper weight 54g/m²
max paper weight folded 150g/m²
max paper weight sheeted 200g/m²
max speed (iph) 44,000
special features
GMI closed loop colour control system
cip3 prepress interface cpc32
JF 44 Folder tabloid/magazine
digest/delta
VITS Sheeter Rotocut S
Cutting accuracy +/-0.4mm
re-moist glue unit
pattern perf unit
autoplate system
spine glue
rotary trim

Scheffer Inline Finishing

- Rotary Cutting
- Remoist Pattern Gluer
- 1 in 4 out Angle Bar/
Compensator Assembly
- Wet Flap Pattern Gluer
- Spine Gluing
- Perforations
- Multiple Plow Stations
- Shear Slitting

HEIDELBERG SPEEDMASTER

102 - 12 colour with cutstar
max sheet size 720 x 1020mm
max print area 700 x 1010mm
min paper weight 80g/m²
max paper weight 350g/m²
max speed (iph) 12,000
special features
reels or sheet production
12-unit perfect 6/6 or combination
straight 12 colours 1 pass
ink line
double sided spray capabilities
autoplate
auto-register
cpc 2000
cip3
image control
spectrophotometer
CITO - RSP inline finishing system -
perforating, cutting and creasing

M600 WEB-OFFSET

16pp 5 unit
cut off/reel width 625mm/965mm
max print area 618 x 954mm
min paper weight 54g/m²
max paper weight folded 130g/m²
max speed (iph) 60,000
special features
GMI closed loop colour control system
cip3 prepress interface
JF 60 Folder tabloid/magazine
digest/delta
autoplate system
spine glue
rotary trim

PRE-PRESS

HARDWARE

pc renderstation
Mac G5
iMac x 3

CTP

Kodak Magnus (Sheetfed)
Kodak Lotem Quantum (Web)

WORKFLOW

prinergy workflow
cip3
PressSign
GMG ink optimizer

FTP

Kodak Insite
Gene6 FTP server

PROOFING

Epson Stylus Pro 9880
HP DesignJet 1050c
GMG RIP

FINISHING

GUILLOTINE X 2

polar fully automatic guillotine
polar high speed programmatic
guillotine and flow line with
downloading, sheet count and
weighing facilities

FOLDING X 5

5 stahl folding machines + cold
melt glueing system

STITCHING X 3

muller martini prima 8 station +
cover feeder
heidelberg ST450 4 station +
cover feeder
heidelberg ST350 4 station +
cover feeder

SERVER

KODAK PRINERGY PRINERGY PRIMARY SERVER

platform
primary - 2 x Intel Pent D5140 CPUs
4gb DDR2 FBD memory
3 x 73gb SAS HD Perc 5i RAID
controller

SECONDARY / FAILSAFE SERVER

1 premium workflow server

MAIN TERTIERY JOBS SERVER

premium workflow server
Internal Raid 1tb

BACKUP TERTIERY SERVER

premium workflow server
internal raid 1tb

INSITE SERVER

Insite Prepress Portal 5 user

WEB FOLDING

PRESS

The following products can be produced in-line using the JF44/60 folder attached to our 16pp web presses. Leaflets, flyers, application forms etc. can be produced using the sheeter option and folding off line or via our Scheffer unit inline.

M600 WEB-OFFSET 16PP 6 UNIT

| | |
|--------------------|---|
| cut off/reel width | 630 x 965mm |
| max print area | 618 x 954mm |
| min paper weight | 54g/m² |
| max paper weight | 150g/m² (folder) 200g/m² (sheeter) |
| max speed (iph) | 44,000 (subject to product) |

M600 WEB-OFFSET 16PP 5 UNIT

| | |
|--------------------|---------------------------------------|
| cut off/reel width | 625 x 965mm |
| max print area | 618 x 954mm |
| min paper weight | 54g/m² |
| max paper weight | 130g/m² (folder) |
| max speed (iph) | 60,000 (subject to product) |

SPECIAL FEATURES

- JF 44 Folder - tabloid/magazine & digest/delta
- VITS Sheeter Rotocut S - cutting accuracy ± 0.4 mm
- Re-moist glue unit
- Pattern perf unit
- Autoplate system
- Automatic register system
- Spine glue rotary trim
- GMI closed loop colour control system
- CIP3 prepress interface CPC32

SPECIAL FEATURES

- JF 60 Folder - tabloid/magazine & digest/delta
- Autoplate system
- Spine glue rotary trim
- GMI closed loop colour control system
- CIP3 prepress interface CPC32



130gsm*

8pp A3 broadsheet
stitched



150gsm*

16pp A4 spine glued
or stitched



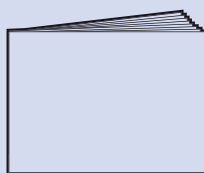
130gsm*

12pp A4 spine glued



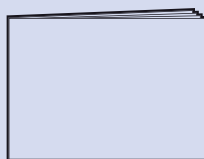
130gsm*

8pp A4 spine glued
or stiched



130gsm*

16pp A4 stitched



130gsm*

8pp A4 stitched



80gsm*

32pp A5 stitched



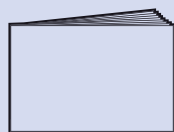
80gsm*

24pp A5 stitched



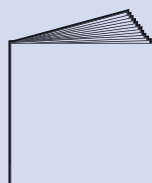
130gsm*

16pp A5 stitched



150gsm*

16pp A5 stitched



115gsm*

24pp 198 x 210
spine
glued or stitched



115gsm*

18pp 198 x 210
spine glued rotary
trimmed only



80gsm*

24pp 297 x 110
stitched



56gsm*

48pp 198 x 110
stitched



70gsm*

36pp 198 x 110
stitched

*maximum paper weight.

INLINE FINISHING

To compliment the M600 Web Press, we have a full Scheffer Inline Finishing System, both enhancing the product range and minimising current finishing operations.

Many standard products will be finished without the conventional trimming and folding operations, saving much valued time on critical schedules.

What is Inline Finishing?

The Inline Finishing System allows Eclipse to be more price competitive and in addition offer a wider range of products. It also enables us to reduce turnaround times by offering a product that is finished in one operation.

- Remoist Pattern Gluer
- Pattern Perforator
- 1 in 4 out Angle Bar/Compensator Assembly
- Wet Flap Pattern Gluer
- Spine Gluing
- Perforations
- Multiple Plow Stations
- Shear Slitting
- Rotary Cutting

In addition to offering a wider range of products the Inline Finishing System allows us to reduce turnaround times by offering a product that is finished in one operation, thereby enabling us to reduce your costs.

Press Finished Products can save you time and money.

PRODUCT RANGE FROM ECLIPSE

- Trimmed 2pp and folded 4pp
- Roll folds – 6, 8, 10, 12 page products
- Gate fold products
- Spine glued booklets – 8, 10, 12, 16 page booklets
- Stepped edge products
- Multi ribbon / folded products
- Double thickness products / reply cards
- Spot glued products
- Pattern perforated products
- Incorporated envelopes
- Bangtails
- Application forms
- Greater product size variations (Subject to technical limitations)

In addition to all of these products, the following additional processes can be applied at the same time to further enhance the product, depending on the product's end use etc.

- Remoist pattern gluing
- Pattern perforating.
- Running perforations.
- Impact gluing.
- Re-peelable gluing.

EQUIPMENT SPECIFICATION

Remoist Gluer:

Option for adding Pattern Remoist application for envelopes, reply pieces and stamps etc.

Pattern Perforator:

Offers solution for producing perforated items such as stamps and coupons etc. Perforation both in web direction and across the web in a variety of custom shapes and sizes.

One in Four out Angle Bar Unit:

One web in on entry with option to slit web in up to four ribbons. Options possible are multi leaved products, nested products and stepped edged products. Multiple stream products possible, therefore increasing number of products possible out of one press revolution.

Wet Flap Gluer:

Option for adding Pattern Gluing, Spot Gluing for products incorporating Return Envelopes, Double Thickness Reply Cards etc.

Plow Towers:

Plow fold web and ribbons using up to five plow stations to produce more

sophisticated product formats and size options than conventional press folder. Plow towers can also be equipped for slitting, inline perforating, line gluing and intermittent gluing.

Shear Slitting:

Option for precise and neat trimming for products such as Spine Glued booklets and multi ribbon work etc.

Rotary Cutter:

Designed to accurately cut and deliver fully bleed trimmed or non bleed trimmed products from a continuous web of printed paper. Products can be cut into 2, 3, 4, 5 or 6 around out of a press cut-off length of 630mm. Various sizes for each option possible. Copies delivered in either one or two streams depending on the product design.

Stacker:

Copies laser counted and batched to suit. Finished copies boxed or bulk packed onto pallets. Versions can be intermixed on certain formats for marketing / testing purposes.

INLINE FINISHING

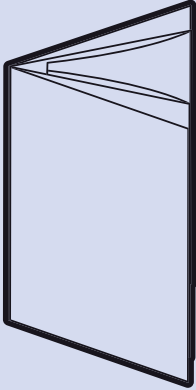
SPINE GLUED PRODUCTS

Spine glued products can consist of the following options:

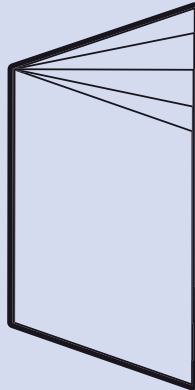
8pp, 10pp, 12pp, 16pp

Further options to enhance products:

- Stepped edge booklets
- Throw out pages possible subject to paper width
- Detachable reply pieces and envelopes



8pp spine glued booklet +
2 x 2pp centre throw out



10pp spine glued booklet

Advantages:

- Spine glued booklets offer cheaper alternative to stitched booklets due to single one pass operation
- Shorter turn around times
- Greater size options possible

ROLL FOLD PRODUCTS

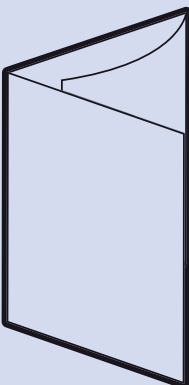
Roll fold products can consist of the following options:

6pp, 8pp, 10pp, 12pp

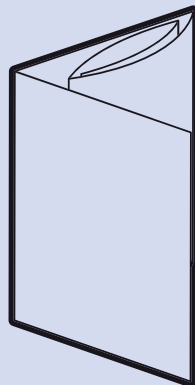
These formats are available in the common cut-off sizes:

297mm, 198mm, 148mm, 102mm

Product widths are dependant on number of pages and overall maximum paper width.



6pp product



10pp product

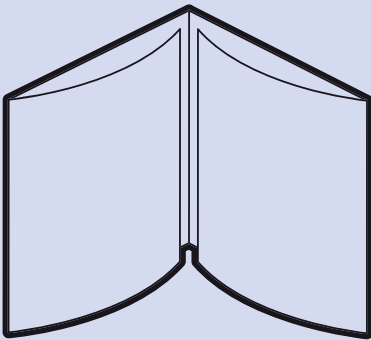
GATE FOLD PRODUCTS

Gate fold products can consist of the following options:

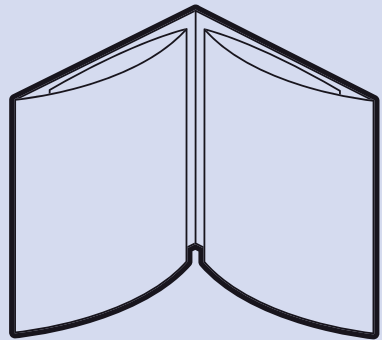
- 8pp Single gate fold
- 10pp Single/double gate fold
- 12pp Double gate fold

Further options:

- Pages inside could be smaller to front and back cover
- Options to perforate pages for tearing out



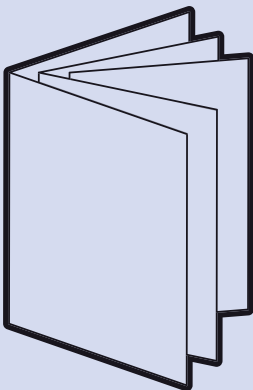
8pp gate fold product



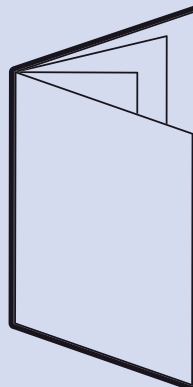
12pp double gate fold product

RIBBONED PRODUCTS

- Web width can be slit into 4 ribbons
- Options to merge all separate ribbons into one product
- Each ribbon can be of a different size
- Ribbons can be nested and folded together loose or for security, spot glued together



2 x 4pp, 1 x 2pp nested product



8pp stepped edged booklet,
cover flush, spine glued

INLINE FINISHING

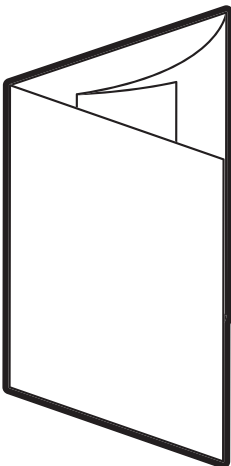
JUST A FURTHER TASTE OF PRODUCTS AVAILABLE FROM ECLIPSE

- Order forms complete with detachable return envelopes
- Products incorporating detachable double thickness cards
- Products can be sealed, and opened by tear off zips or peelable envelope style flaps
- Products consisting of perforated vouchers or stamps etc.

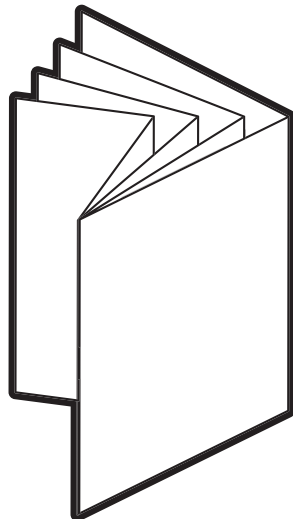
Remember all product options are produced in one single operation reducing costs, turnaround times and maximising product potential within budget restraints.

Due to greater size options and flexibility of the inline system with regard to design options, more products per press cut-off can be achieved so reducing your overall costs.

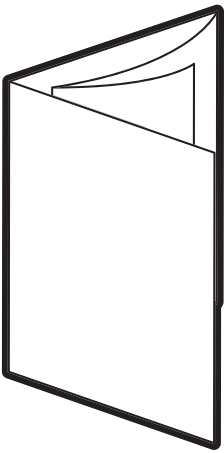
Please enquire about options to suit your application and ideas for maximising the potential of your products, or perhaps just size options to reduce your current costs.



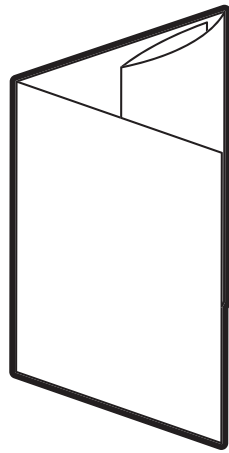
Bangtail order form with tear off envelope



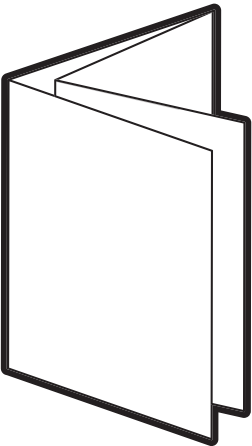
8pp spine glued endorsed folded booklet



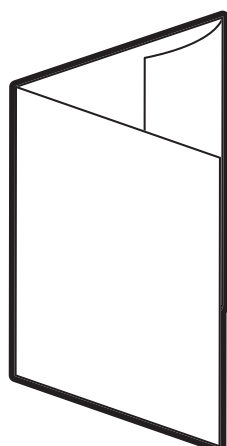
Sealed product with tear off zip to reveal 2 x 4pp



4pp text with 4pp tear off removable reply card



8pp double parallel product



4pp product with tear off double thickness reply card

CONTACT DETAILS



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