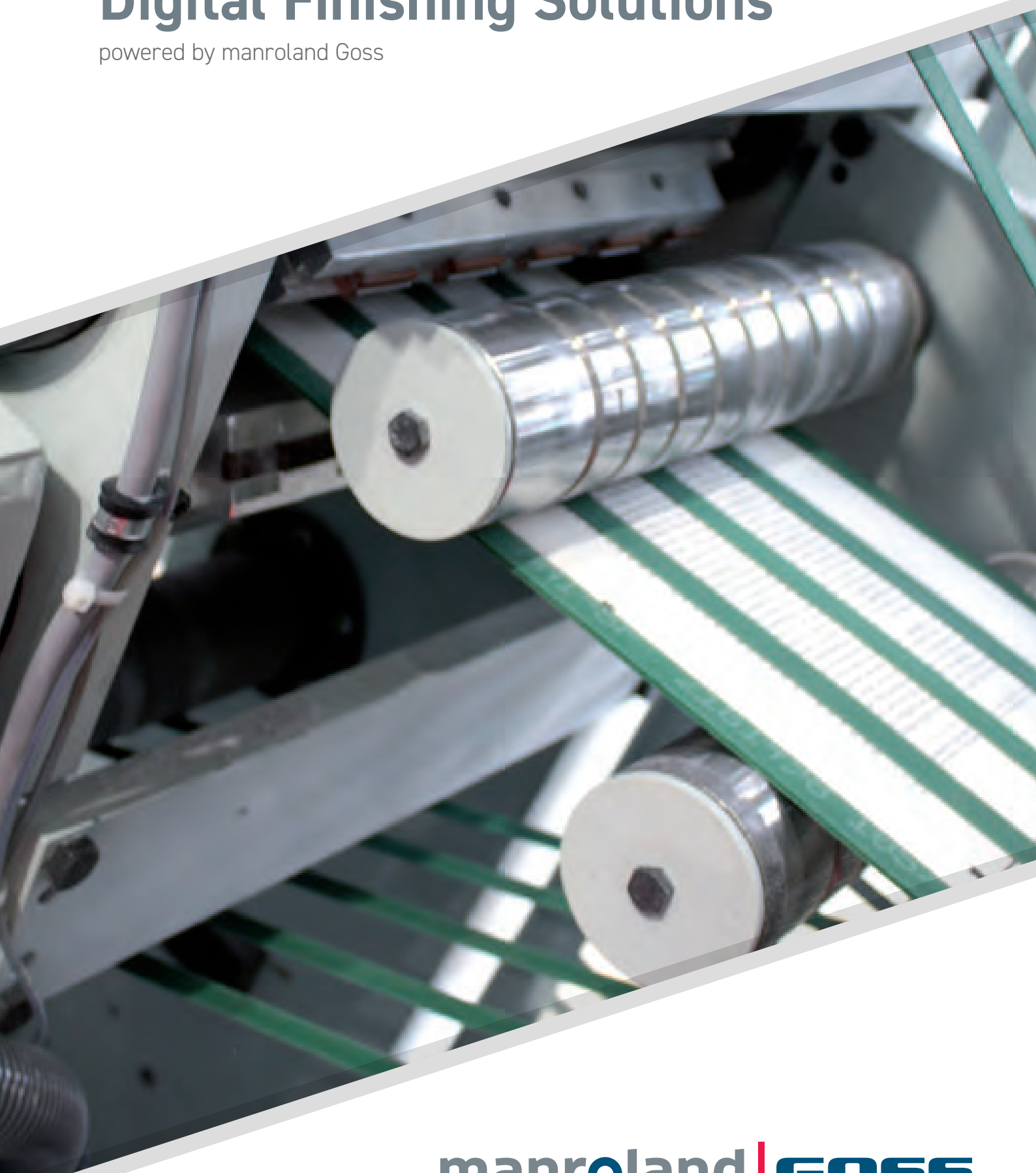


Digital Finishing Solutions

powered by manroland Goss



manroland | GOSS



Industrial Scale - Digital Finishing Solutions

Your benefits

- Industrial design by manroland Goss engineering based on web offset modules
- Outstanding productivity
- High reliability and low production tolerances
- Best-of-class variable cut sheet separation within belt sections
- Dynamic change of pagination and book structure without standstill "on the fly"
- Dynamic change of cut-off length for all folding options
- Fully JDF/JMF-controlled device for setup time down to 3 min with format change
- Variable Broadsheet sections for individual newspapers (FoldLine)
- Variable Tabloid page numbers for personalized issue (FoldLine)
- Additional features available FoldLine: cylinder-stitched tabloid newspapers, booklets or book signatures
- Variable book signatures page numbers with flexible former positioning (FormerLine)
- Additional features available FormerLine: book block finishing with RIMA collator.





manroland Goss FormerLine for book production

Application flexibility

- Auxiliary glued book-blocks
- Flyer, mailings
- Booklets (longitudinal glued)

Folding options

- Zigzag fold, wrap fold, gate fold, parallel fold

Media

- 40 – 120 gsm (optional: 150 gsm)
- Minimum page format: 105 x 150 mm
- Maximum page format: 254 x 420 mm (optional: 254 x 490 mm)
- Book block thickness: 3 – 60 mm

Production speed

- 150 m/min (2.5 m/s) up to 300 m/min (5 m/s)

Web width available

- 20" – 26" - 30" – 42"

Solutions

- Digital printer integrated in manroland Goss FormerLine
- Digital splicer/unwinder integrated in manroland Goss systems FormerLine
- Solutions: Connection to all manroland Goss software solutions
- WE ADD VALUE. - Comprehensive service offerings

manroland Goss FoldLine for newspaper production

Application flexibility

- Newspaper production: all common Broadsheet & Tabloid formats
- Semi-commercial production: cylinder-stitched booklets or inserts

Media

- 40 – 80 gsm (for newspaper production)
- Option: 40 – 135 gsm (with cross perforation)
- Minimum page format: 120 x 210 mm
- Maximum page format: 580 x 315 mm

Production speed

- 150 m/min (2.5 m/s) up to 300 m/min (5 m/s)

Web width available

- 20" – 26" - 30" – 42"

Solutions

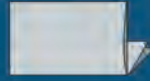
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FormerLine

Folding samples



Non-fiction book/
Reference book



Newspaper/Letter



Flyer/Mailing



Non-fiction book/
Reference book



Single sheet/Flyer



Single sheet/
Reference book



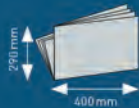
Flyer/Mailing

Final format	175 x 245 mm	75 x 245 mm	137 x 135 mm	175 x 245 mm	150 x 215 mm	170 x 240 mm	125 x 190 mm
Folding format	190 x 260 mm	190 x 260 mm	137 x 152.4 mm	190.5 x 260 mm	165 x 230 mm	180 x 225 mm	137.5 x 205 mm
Folding schematic	double parallel	double parallel	gate fold	double parallel	single sheet	single sheet	single longitudinal fold
Auxiliary gluing	2 point	-/-	-/-	-/-	-/-	-/-	-/-
Pages per signature	8	8	6	8	2	2	4
Web width	760 mm	760 mm	275 mm	762 mm	165 mm	180 mm	275 mm
Paper	90 gsm, 1,5 volume Alster Digital	52 gsm, newspaper Snowprint	80 gsm, CVG Digital HS	160 gsm, DNS High Speed Inkjet	60 gsm, Z-Bond Classic	100 gsm, CVG Digital HS	80 gsm, CVG Digital HS

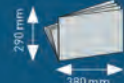
and more ...

FoldLine

Folding samples



Broadsheet Format
1 up



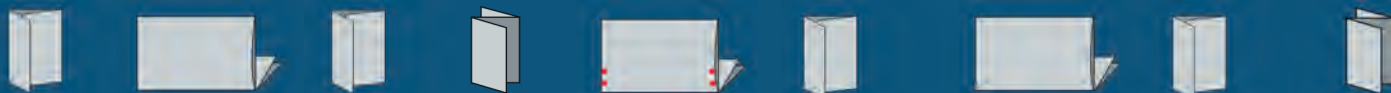
Broadsheet Format
2 up



Tabloid Format 1 up

Single page size/folding format	400 x 580 mm	300 x 580 mm	280 x 400 mm
Min. pages	4	4	4
Max. pages	48	48	48
Cut-off length	800 mm	760 mm	560 mm
Paper width	580 mm	580 mm	400 mm
Stiching	possible	possible	possible
Fold	1st cylinder fold Chopper fold	1st cylinder fold Chopper fold	1st cylinder fold with post fold

and more ...



Non-fiction book/ Reference book Non-fiction book/ Reference book Non-fiction book/ Reference book Non-fiction book/ Flyer Non-fiction book/ Reference book Non-fiction book/ Reference book Reference book/ Science Flyer Flyer

150 x 210 mm	175 x 245 mm	170 x 240 mm	150 x 215 mm	175 x 245 mm	155 x 205 mm	170 x 240 mm	247 x 320 mm	210 x 290 mm
165 x 230 mm	190 x 260 mm	177.5 x 260 mm	165 x 230 mm	190 x 260 mm	161 x 216 mm	177.5 x 260 mm	247 x 320 mm	218 x 297 mm
delta fold	double parallel	delta fold	zugzag fold	double parallel	delta parallel	delta parallel	delta fold	zigzag fold-gain
-/-	-/-	-/-	-/-	2 - point	-/-	-/-	-/-	-/-
6	8	8	6	8	6	8	6	6
495 mm	762 mm	711 mm	465 mm	760 mm	650 mm	711 mm	740 mm	640 mm
40 gsm, Z-Bond Classic	80 gsm, Laser	120 gsm, Laser	40 gsm Z-Bond Classic	80 gsm DNS, High Speed Injekt	70 gsm, Z-Bond Classic	40 gsm, Z-Bond Classic	80 gsm, Z-Bond Classic	90 gsm, 1.5 volume Alster Digital



Tabloid Format 2 up



Berliner Format



Magazine Format



Magazine Format 4 up

280 x 380 mm	320 x 470 mm	230 x 300 mm	230 x 300 mm
8	4	8	16
96	48	96	96
560 mm	640 mm	460 mm	600 mm
760 mm	470 mm	600 mm	460 mm
possible	possible	possible	possible
Former fold 1st cylinder fold Chopper fold	with post fold	1st cylinder fold with post fold	1st cylinder fold Chopper fold



WorkflowBridge

The flexible network solution

WorkflowBridge - Industrial Automation for Both Digital Finishing Solutions

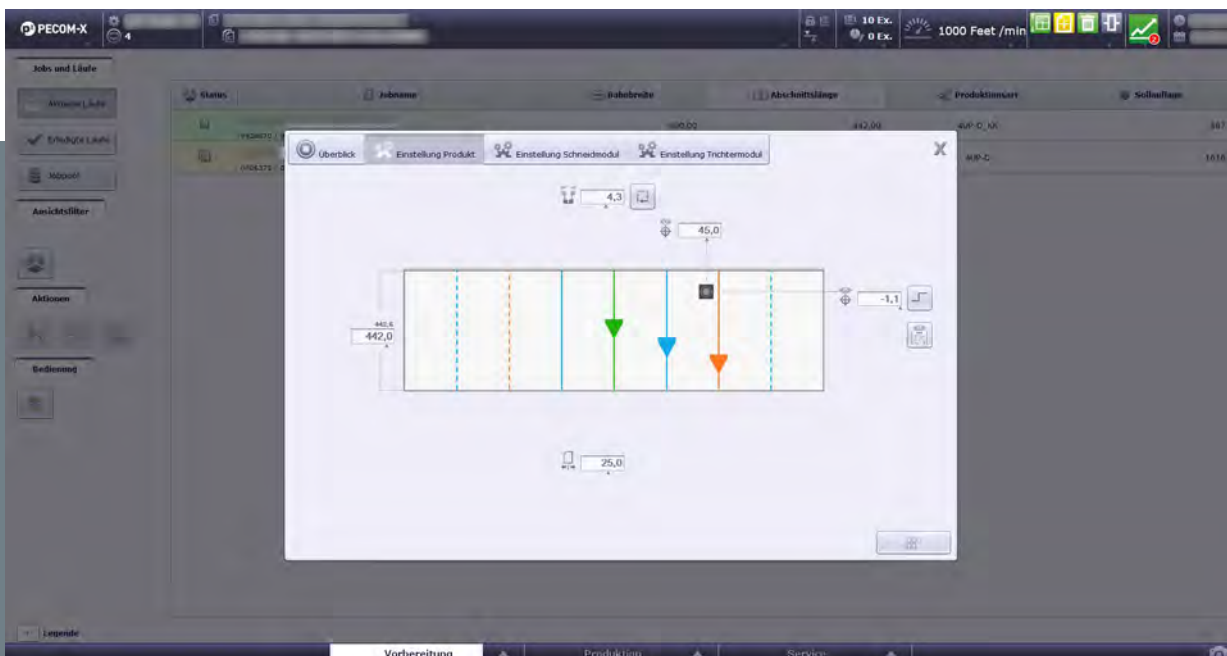
80% saving of changeover times with fully-automated control

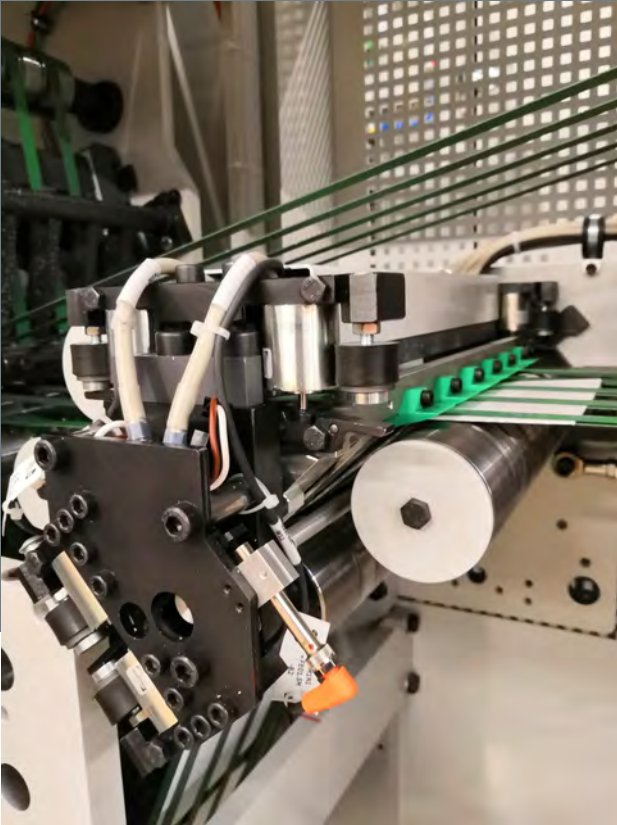
Example:

- 25 print jobs per day which need operator intervention
- 7.5 minutes of manual operation per job changeover (assumption)
- 2 shifts (16 hours)
- 0.2 hrs per day caused by operator errors etc.
- Hourly rate of digital production line = 250 € (assumption)

Time saving/day = 4.0 hrs possible

240,000 € cost saving/year possible





MasterQ & Imposer

Intelligent Planning and Processing of Digital Jobs

- JDF-based job queue
- Job activation with fully JDF-based process imposition
- Intelligent and automatic planning of jobs due to predefined parameters
- Monitoring of each individual job

For more information please visit:

www.manrolandgoss.com

manroland | GOSS

manroland Goss web systems GmbH
Alois-Senefelder-Allee 1
86153 Augsburg

Fon: +49 821-424-0
Fax: +49 821-424-3303
info@manrolandgoss.com
www.manrolandgoss.com