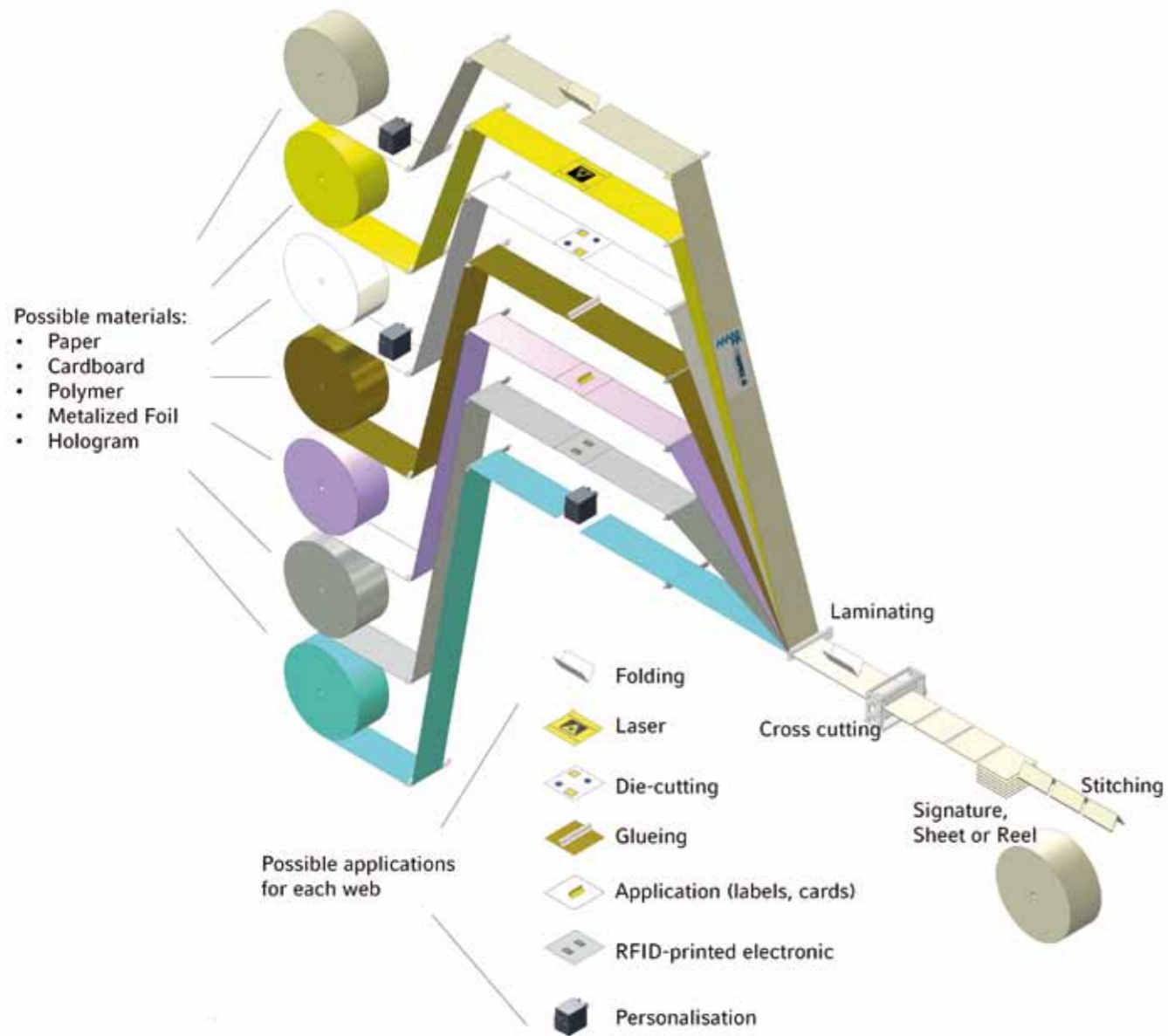


CHALLENGER



Rotative Post Press System from Preprinted Reels



The solution provider for the graphics industry

The company's priority is finding the best solution to meet the customers requirements. Our products are characterised by extensive experience in the market, established know-how in the graphics industry and mature technology.

Please contact us or see our homepage for further information!



The Challenger

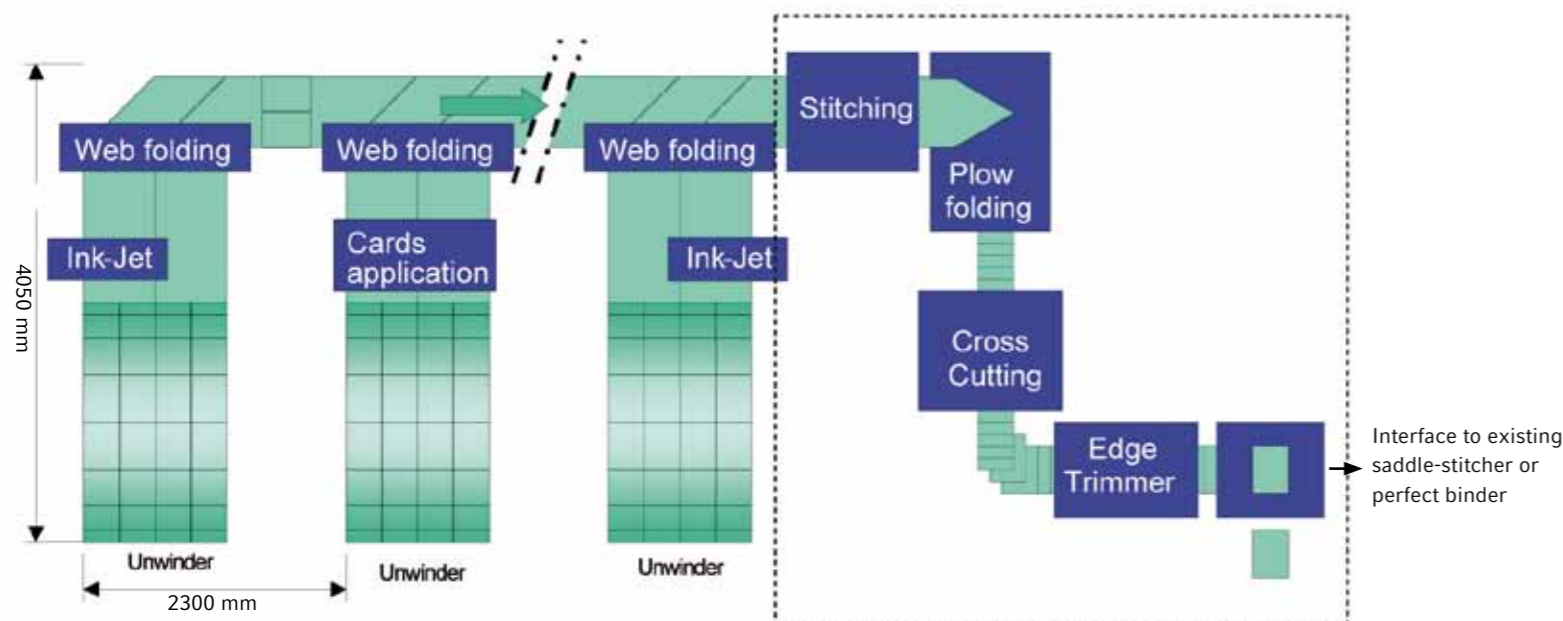
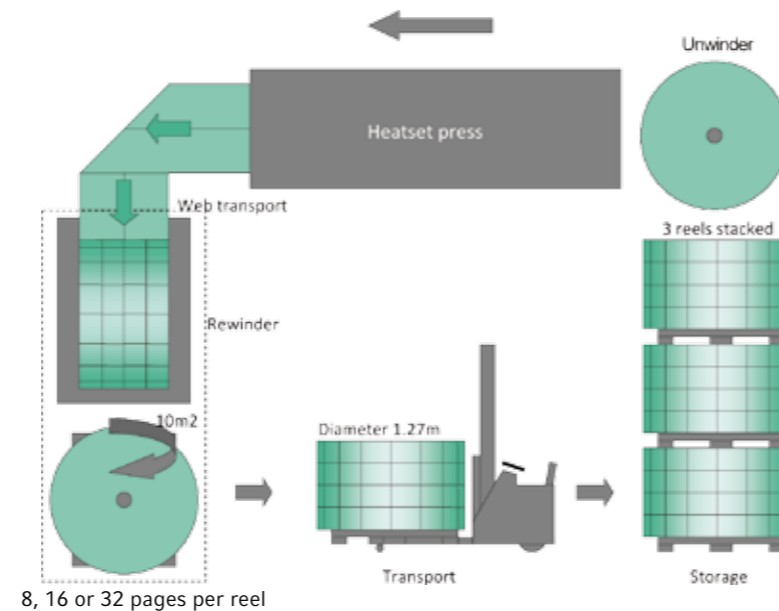
Rotative Post Press System - Print Process from Reel to Reel

The UNIGRAPHICA Challenger is a Post-Press System for the production of magazines, catalogues, books, newspapers and more.

The multiply pre-printed paper reels of different qualities and weights are processed in only one single pass and are merged in precise register to the stitched or perfect-bound print product.

Challenger's advantages over the traditional printing process

- Reel-to-reel production is 20 to 30% faster than reel-to-fold or reel-to-sheet production
- 35% less space required since no signature folder is needed
- 50% less manpower involved
- 30% lower investment volume in purchasing a new reel-to-reel printing machine without folder
- Rewinder can be added on all presses
- Much wider range of processible papers
- 10 to 15% savings on materials since no overfold is necessary
- Finishing needs no longer being done during the printing process
- Faster set-up times



Economic Post Press Process

System Specifications

Number of reels	max. 7 (7x16 = 112 pages/7x32 = 224 pages)
Reel width	max. 1040 mm, min. 210 mm
Reel diameter	max. 1270 mm
Mechanical speed	0.5 - 3.5 m/s = 210 m/min. = up to 36'000 products
Register	automatic, electro-optical register, speed-independent +/- 0.2 mm
Finishing	possible for each reel, on front and reverse side
Options	digital printing systems; labelling; cross and longitudinal perforation, glueing, punching; special folding units; varnishing, Interface to saddle-stitcher and perfect-binder
Product Specifications	
Format	min. 150 x 105 mm max. 430 x 340 mm or corresponding with reel width and cross-cutter
Paper quality	40 - 160 g/m ²

Dimensions and specifications subject to change without notice

Challenger's advantages over traditional manufacturing processes

- Very little maculation
- Products of up to 112/224 pages, glued at the spine, completed in only one pass
- No feeding of a saddle-stitcher or bundle feeder necessary
- When using 60-gram paper, there is a reservoir of material for about 1.5 hours per reel
- 10 to 15% savings on materials since no overfold is necessary
- Rotating unwind and finishing processes
- 30% less stock floor space
- All the webs are open front and back and can be processed at any position
- Personalisation possible at any position of the product
- Application of cards possible at any position of the product
- Labelling possible at any position of the product
- All finishing options available for both sides
- Different materials and/or paper qualities can be processed on each web
- Most variable paginations thanks to two-page jumping
- No problems of paper flow
- Possibility of in-line inserting