

DIGI-B

Digital edge-colouring

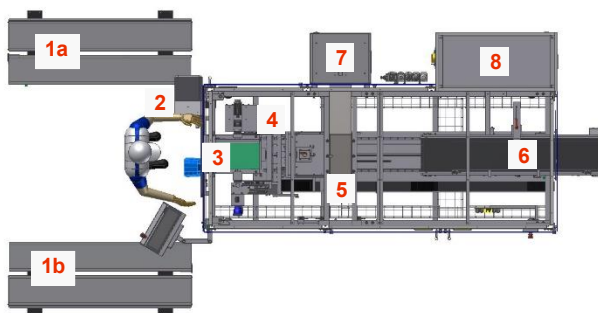


The DIGI-B is a digital colour cutting machine for industrial production. The printing of 4 sides is possible in a fully automatic process. The pre-stacking of the products takes place during the printing process on a separate device. The complete stack is loaded in insert/delivery station in the clamping device.

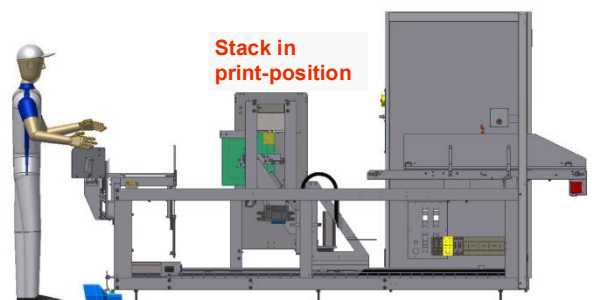
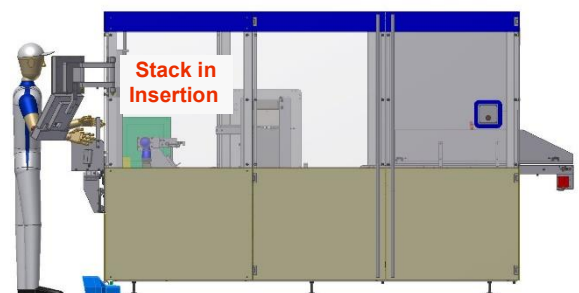
The basic machine can handle formats from 50 x 50 mm to 360 x 360 mm. Optional possible up to maximum 720 x 720 mm.

The printing process takes place in a single-pass process and enables high performances. By format-specific clamping plates fast format changes are possible. The low unit costs are a result of an optimal use of the printhead width, low portion of costs by consumables as well as low maintenance costs and efficient production.

OPERATING PROCESS



1. Roller conveyor for product piles
2. Pre-stacking device
3. Insert and delivery station with protective shutter
4. Transport system for pinched stack
5. Printing head
6. Optional: automatic delivery
7. Printing controller & Ink processing
8. Electrical cabinet



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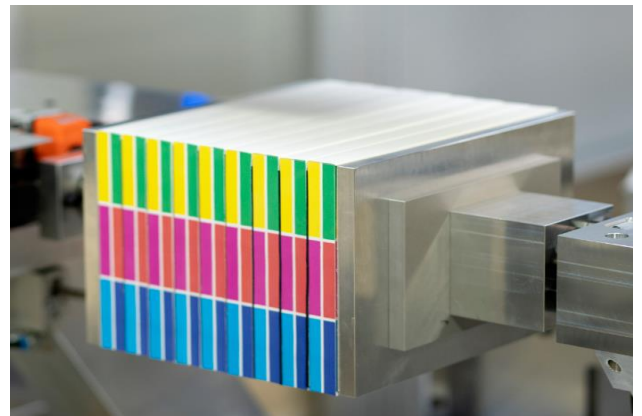
Digital edge-colouring

Products	book blocks brochures loose sheets books without overlapping cover
Formats	
Basic machine	printing width until max. 210 mm min. 78 x 78 mm max. 360 x 360 mm (from 50 x 50 mm in two passes possible)
Optional format	MAXI max. 432 x 500 mm JUMBO max. 720 x 720 mm
Procedure	Inkjet digital print
Print engine	single-pass print head „Memjet“ with automatic print head cleaning CMYK colour tanks each 2'000 ml Ethernet 10/100/1000
Print resolution	high 1600 x 1600 dpi normal 1600 x 800 dpi drop size 1-2 picto litre
Print speed	9 m/min or 18 m/min
Print driver	32/64 bit Windows driver setting copy out of all common processable software
Print prepress	RIP Software
Operator	100 - 200% manpower



BOOK AND BOOK BLOCK FINISHING

Output	Operating cycle per stack Load- and unload & printing ~ 40 - 60 sec Productivity in dependence of the operator and the products
Example: 3-side printed	
product thickness	10 mm
no. products	17 pcs/stack
cycle capacity	1'000 - 1'500 pcs/h
Change-over time	Order change: approx. 3 - 5 minutes Format change: approx. 5 - 10 minutes MAXI format: approx. 10 - 15 minutes JUMBO format: approx. 20 - 40 minutes
Technical data	req. space ~ 3500 x 2000 x 2000 mm (LxBxH) weight approx. 900 kg



INTERESTING FEATURES

- Digital printing process
- High productivity
- Very low maintenance requirement
- Print unit with automatic cleaning station
- loose sheets with 4-sides printing (e.g. note cube)
- Short setup and change over time
- Very large format range
- Station with pre-stack assembling by insert station
- Processing of product stacks from pile to pile
- Optional automatic delivery unit
- Processing of book blocks and brochures
- Distance- and/or power controlled clamping
- Large program memory capacity
- Interface to pre-press and superior guide-systems (Industry 4.0)