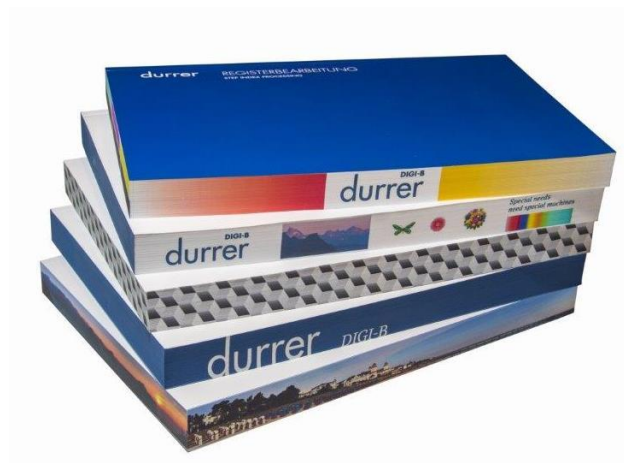


DIGI-B

Digital edge-colouring

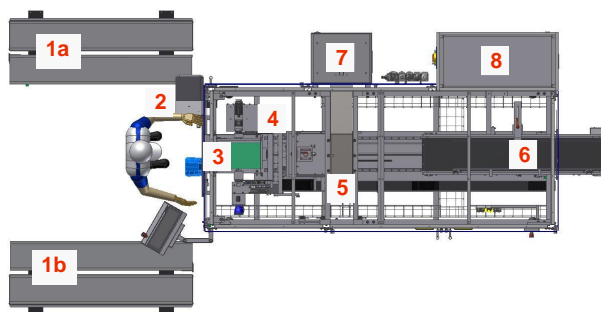


The DIGI-B is a digital colour cutting machine for industrial production. The printing of 4 sides is possible in a fully automatic process. The pre-stacking of the products takes place during the printing process on a separate device. The complete stack is loaded in insert/delivery station in the clamping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

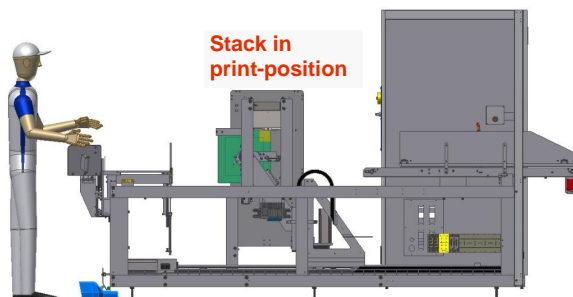
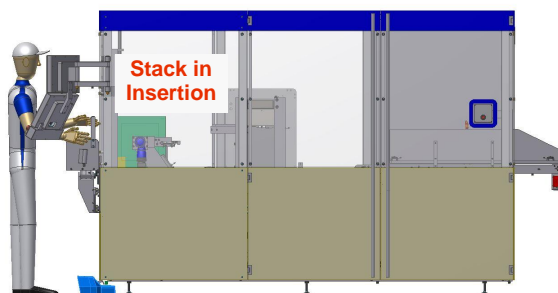
The basic machine can handle formats from 50 x 50 mm to 360 x 360 mm. Optional possible up to maximum 720 x 720 mm.

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

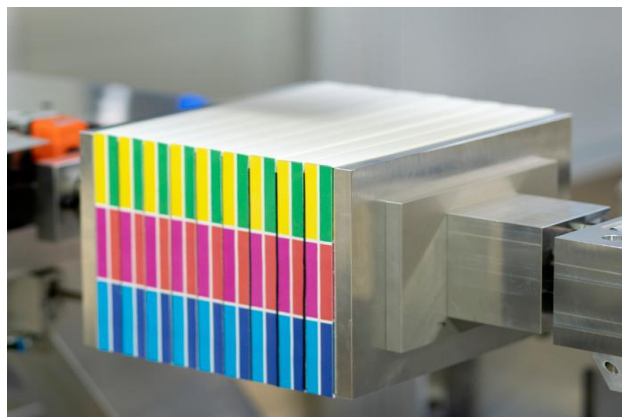


DIGI-B

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
Operators	100 - 200% manpower

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)