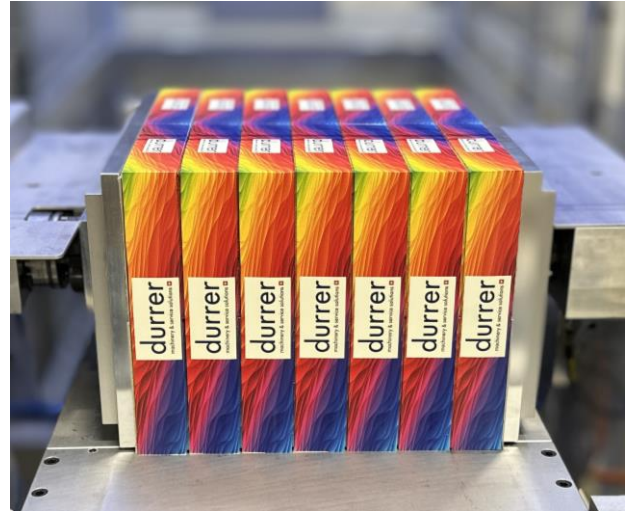


DIGI-B

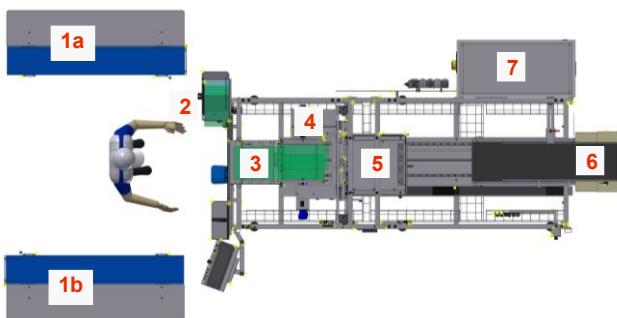
Digital edge-colouring



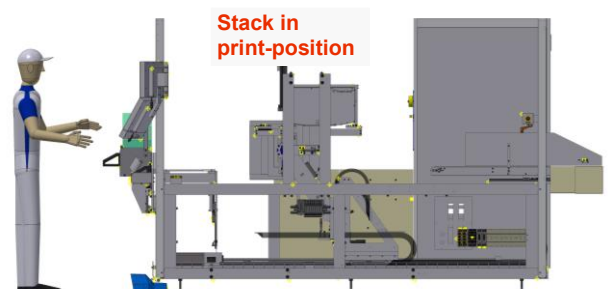
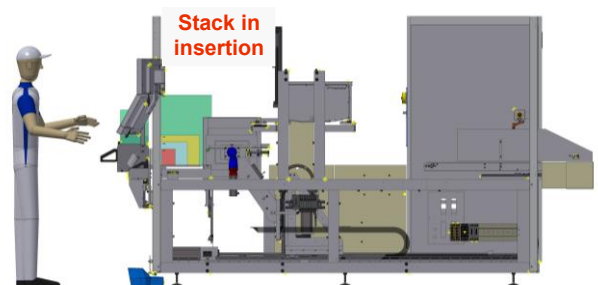
The DIGI-B is a digital edge colouring machine for industrial production. The printing of 4 sides is possible in a fully automatic process. The pre-stacking of the products takes place during the printing process on a separate device. The complete stack is loaded in insert/delivery station in the clamping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



DIGI-B

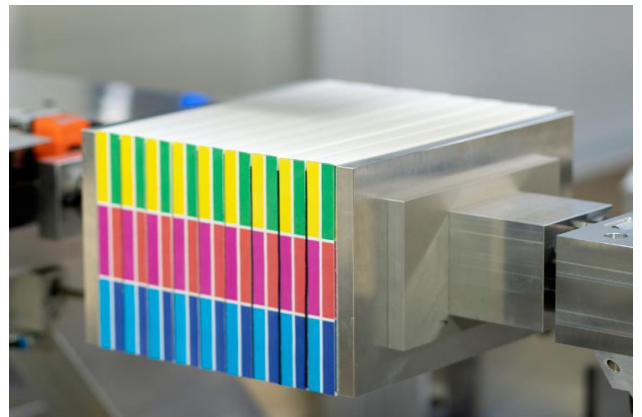
Digital edge-colouring

Products	book blocks brochures loose sheets books without overlapping cover
Formats	
Basic machine	printing width until max. 290 mm clamping device open max. 300 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 „HP Technology“ with automatic print head cleaning CMYK cartridges (Pigmented waterbased inks) Ethernet 10/100/1000
Print resolution	high 1200 x 1200 dpi normal 600 x 1200 dpi drop size Ø 8.5 picolitre
Print speed	Up to 18 m/min
Print driver	Trojan Control Software setting copy out of all common processable software (PDF)
Print prepress	RIP Software Xitron Navigator
Site Conditions	Operating Temperature: 20° - 30° C Humidity: 20 – 80%
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 26 mm no. of products 10 pcs/stack cycle capacity 600 - 900 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. 1'100 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 in multiple-ups
- 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)
- Optional flat printing possible (without turning)
- Display of ink consumption and printing costs
- Easy cartridge change