

BF 513

BF 513 Book Production Line – optimised workflow

Bright prospects for book production

KOLBUS book production systems, the BF 530, BF 513 or EMP 513 provide the same functionality, but they can be adapted for widely differing production requirements – depending on performance class (from 30 to 70 cycles/min) all systems are highly automated for finishing

- large production runs and fast throughput times for conventional printing processes,
- or
- single products or small series with changing formats from digital printing presses

The superior product quality achieved by these industrial book finishing lines is directly related to high-precision drive technology integrated in this fast, accurate, high-performance machine generation. The outstanding performance characteristics are assured by multifunctional and fully automated adjustment during running production:

- sequential setting (based on infeed thickness measurement)
- 3D setting for book block thickness, spine length and book block width

All production data are transferred digitally to the machine control system. Data acquisition can be:

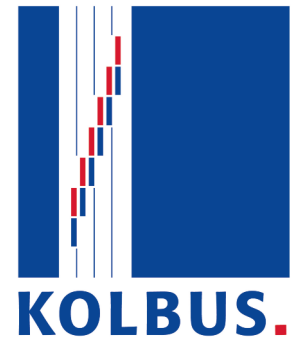
- automatic via XML Workflow Design as a job ticket from the customer host system or from a database of stored titles
- analogue with the machine measuring relevant dimensions with data input to a local title database
- by data transfer with KOLBUS AFS system components for MT 600

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The intelligent control system of the KOLBUS book production lines enables a range of versatile production options for processing special book cover designs – for example, with zips, asymmetrical covers, PVC covers or flap covers, notebooks with pen loops or books with enlarged cover overlaps:

- Quick and easy adjustment with the KOLBUS Copilot® system with multi-touchscreens

The operator can specify the selection and scheduling of exchange parts in line with its production structure. This involves identifying a number of system-relevant exchangeable parts which are then all swapped at the same scheduled time. The selection is application-oriented and scalable depending on format, block thickness, book spine and individual quality demands:

- Customer-oriented organisation and allocation of exchangeable parts

Features

- New machine design for more functionality
 - Interface design for Copilot® system
 - Sequential and 3D format setting
 - 3 or 5 stations
 - Book block and case are code matched via Datamatrix codes
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TECHNICAL DATA

Format range book block:

(width x height x thickness)

max. 280 x 375 x 80 mm | 305 x 375 x 30 mm

min. 100 x 100 x 2 mm

Format range open cover:

max. 660 x 385 mm

min. 210 x 105 mm

Thickness:

max. 7.0 mm

min. 0.1 mm

Block width 277 – 305 mm

Rounding stroke restricted depending on block width – max. 45 mm
to min. 19 mm

Format range finished book:

(width x height x thickness)

max. 285 x 385 x 90 mm | 315 x 385 x 30 mm

min. 105 x 105 x 6 mm

