

DA 370

Casemaker for the production of book cases with suitable equipment for the digital workflow

Faster production, unbeatable quality,
shorter make-ready times

50% higher output in digital modes



4
DIGITAL

DA 370 – A NEW GENERATION up to 65 cycles/min

Greater flexibility and low-cost production for both small and large order quantities

Automating the complex processes involved in digital order processing, from the cardboard preparation through to the variable digitally printed cover material, has enabled us to speed up production significantly. After all, time is the limiting factor when it comes to manufacturing individual book cases.

The result is the new DA 370 casemaker, where all the processes are coordinated and synchronised perfectly with one another so that even the smallest runs (from a batch size of one) can be produced more cost-effectively. The new machine design is clear and ergonomic. The new DA 370 impresses with its up to 50% higher output when processing personalised print products and its marked improvements in quality.

- Automatically adjustable cardboard cutting using four knives
- Format cut for front/back boards and centre strip width
- All adjustments can be made during running production



YouTube Video
DA 370 digital



Your benefits at a glance

- STRAIGHTFORWARD – user-friendly Siemens controller with touchscreen HMIs
- CLEAR – improved ergonomics
- FLEXIBLE – more process automation
- FUNCTIONAL – job store for repeat orders (up to 5,000 jobs)
- STATE-OF-THE-ART – ball screws for quick and accurate changeovers
- ADAPTABLE – customisable equipment (digital and conventional)
- SAFE – safety standards in accordance with EC and EU directives and standards
- AVAILABLE – spare parts available 24/7, online remote service and telephone support

50% MORE
OUTPUT*

* for digital print processing



- Improved features for the cover material corner cut and wrapping system
- The corner cut is adapted automatically and synchronously to the format cut of the case cardboards
- Processing via automated compensation for variable board centre strip widths

AUTOMATED PROCESSES

DA 370 DIGITAL – everything from a single format, faster changeovers and fewer empty cycles during a change

SHORT MAKE-READY TIMES

Flexibility with complex requirements for customised book case production



Cardboard processing

- Newly designed cardboard conveyor for even higher quality thanks to ultra-precise alignment
- Cutting unit (PS) with four adjustable rotating knives
- Blank cut for cardboards and centre strip from a standard cardboard format
- Format offcuts are chopped and ejected
- Cardboard thickness between 0.5 and 4 mm



Cloth processing

- Digital mode with improved scanning process for processing data faster
- Alignment can be fine-tuned individually
- Integrated device for cutting cover material corners at an angles of 45 degrees
- Cover material corner cut remains consistently parallel and matches the format

Drive technology

- Axes with new adjusting drives and ball screws
- A process that's three times faster than on conventional axis systems
- Precise axis positioning down to a tenth of a millimetre
- Ball screws require less maintenance and are easier to care for



Gluing and wrapping system

- Servo drive technology for the gluing attachment and separate fine-tuning of the rollers
- Improved monitoring and adjustment options for thin and more consistent gluing
- New: viscosity control via Copilot touchscreen
- The glue thickness is adjusted automatically in line with the production speed
- Quality improvements and cost savings thanks to lower glue consumption



INCREDIBLY EASY TO USE

All loading and unloading points are situated at an ergonomic working height

PRODUCT QUALITY

Efficient production at maximum cycle rate

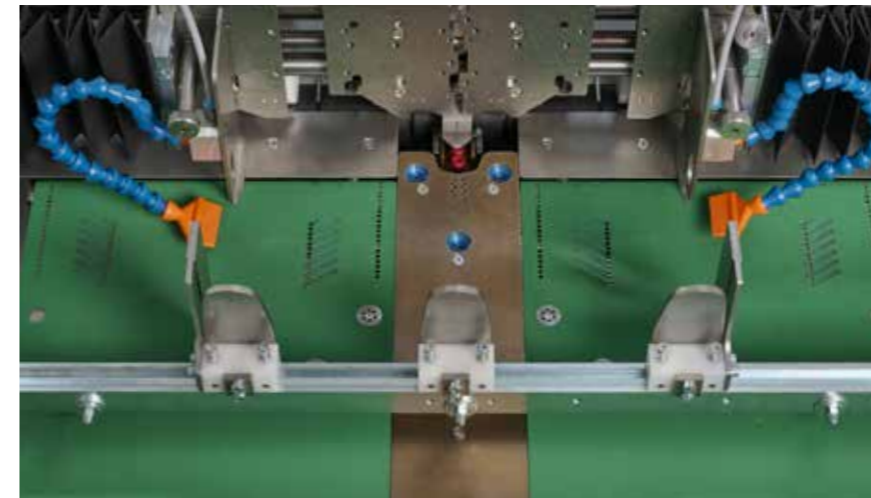


DA 370
65 cycles/min



Cover material magazine

- Non-stop cover material feeder for efficient working
- Fully automatic alignment
- Magazine can be observed from three sides and is freely accessible
- Safe and reliable production with just one operator



Cloth separation

- Tried-and-tested separation technique
- Gentle material transport
- Individual fine-tuning during production
- DA 370 DIGITAL:
Cover material separation through the feeder pile to the final sheet

Gluing attachment

- Twin-roller gluing system for thin, even gluing
- Extremely low glue consumption
- Hot/dispersion glue or hot-melt adhesive
- The entire glue magazine is retracted for a format change
- Templates are changed outside the machine on the cover material cylinder
- DA 370 DIGITAL:
template changes only required when size difference > 18 mm



45 degree corner cutting

- Integrated corner cutting
- Automatic cover material corner cutting in a single step makes work easier while maintaining quality
- Optional: perfectly round corners thanks to synchronous shaping and pressing of the four radii
- Optional: integrated round corner feature also available for Flexo covers upwards of 300 g/m²



Link to web app
corner cutting animation



IMPROVED PRODUCTIVITY

The casemaker boasts an unbeatable net output, short make-ready times and straightforward handling

RELIABLE QUALITY IN PRODUCTION

Consistently high dimensional accuracy and symmetry of the cardboards and covers in book case production

Board cutting unit

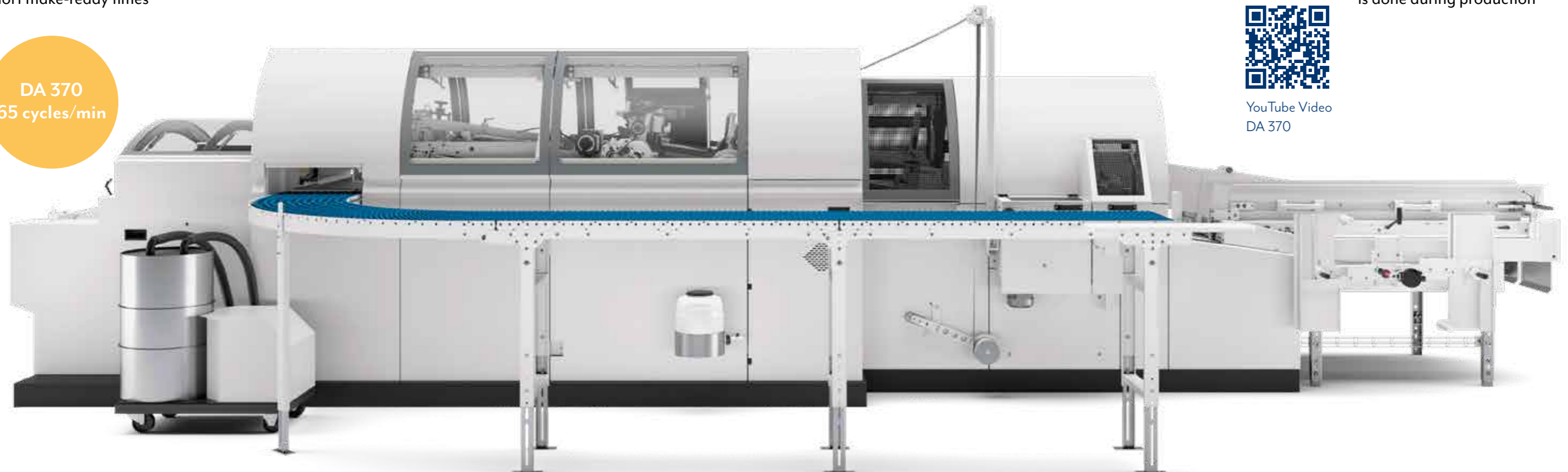
- Board cutter (PS) with double cut for making book cases and cardboard centre strips
- Optional: device for cutting two centre strips
- Cardboard separating cut for productions involving a centre strip roll
- The change from centre strip roll to cardboard centre strip production is distinguished by short make-ready times



Centre strip roll

- Fully automatic quick-change system for the centre strip roll that can handle two 250–600 g/m² centre strip rolls
- The cut centre strip is fed at the height of the cardboards via rollers, cut to length and, together with the case cardboards, pushed onto the glued cloth for perfect alignment
- Preparing for a roll change takes up an insignificant amount of time and is done during production

DA 370
65 cycles/min



YouTube Video
DA 370

COPILOT SYSTEM

Controls for intuitive,
ergonomic working



- 17" touchscreen with state-of-the-art intuitive user interface
- Quick access to all relevant operating elements
- Clearly structured icon-based presentation (e.g. adjusting glue thickness)
- Format store for up to 5,000 entries
- Siemens SIMOTION D machine controller
- Remote service

You'll find machinery for a wide range of case making applications in the highest quality at KOLBUS

DA 260 can be put to a wide range of uses at up to 40 cycles/min



DA 290 is suitable for large formats up to 40 cycles/min

360 DEGREE SERVICE AND MAINTENANCE

All-round service and maintenance for
maximum machine up-time

We offer all-round support – from installation to commissioning and throughout the operational life of your machine!

Our aim is to ensure that your machines and systems are available whenever you need them. To achieve this our highly trained and experienced service engineers and your contacts in our subsidiaries and sales agencies provide all-round support.

Online and on-site – around the world. Choose the reassurance of a service contract tailored to your machine and your production requirements.



Remote Service

- 24/7 support from experienced KOLBUS engineers
- Repairs, service, maintenance, process optimisation
- Online (encrypted connection) or phone support
- Data connection only on request

Your benefits

- Minimal downtime
- Saves travel costs for on-site troubleshooting
- All-inclusive service within the agreed warranty terms





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