

# Glendale

## Presentation Solutions

### SpeedBind CF Perfect Binder with Automated Cover Feeder

The SpeedBind 420CF meets the growing demand for professionally bound documents and books where quality presentation, quick turnaround, and ease of operation are essential. Building on the standard 420, the 420CF adds automated cover feeding with spine and hinge creasing, making it perfect for high-volume production where operator time needs to be minimised. This binder can produce A3, A4 Landscape, A4, A5, and A6 perfect bound books and documents.



#### Product Features:

- Automated cover feeder for covers weighing 120–350 gsm
- Spine and hinge cover creasing
- Missing-cover detection for error prevention
- Colour touchscreen control for fast setup
- Adjustable spine clamping pressure
- Milling and notching spine preparation
- Combined spine and side gluing system
- Integrated paper dust extractor
- Output: up to 375–450 cycles per hour
- Padding mode for pad production

#### Automated Cover Feeding

The SpeedBind 420CF includes a precision suction-based automated cover feeder. Covers are automatically fed into the clamping station with spine and hinge creasing applied. The system includes missing-cover cutoff protection, and once the operator loads the book block, the binding sequence runs automatically, reducing production time while maintaining professional results.

#### Control System

Operation is via an intuitive colour touchscreen panel. All settings — including operation mode, glue temperature, clamp pressure, clamping time, and speed — are managed from the touchscreen. Setup is completed within seconds, ensuring consistent results across varying book sizes. Minimal operator training is required.

The binder will automatically measure the thickness of the book and adjust its running speed accordingly. This feature ensures optimal performance based on the specific requirements of each book, enhancing efficiency.

#### Spine Preparation

Spine preparation is performed using an extra-durable milling and notching disc equipped with 20 milling teeth and 2 notching blades. Before glue application, the book block passes over the disc to break down paper fibres on the spine. This process allows superior glue penetration, improving binding strength and durability.

## Glue System

The SpeedBind 420CF features a single glue tank for both spine and side gluing. Designed for modern high-strength EVA adhesives, it eliminates the need for separate adhesives. A tail structure stabilises the glue layer on the spine before the book block meets the cover. Excess glue is removed automatically, ensuring precise application and clean, professional finishes. A pre-melt groove structure allows the operator to add glue without stopping the machine, improving overall binding efficiency.



## Clamping System

The adjustable clamping station allows fine control of:

- Clamp pressure – prevents over- or under-clamping
- Clamping time – adjustable for different paper and cover materials

This ensures a perfectly squared spine and consistently high-quality binding results.

## Dust Extraction

An integrated paper dust extraction system collects paper dust in a cloth bag during milling and notching, reducing internal buildup and maintaining clean, reliable performance.

## Padding Mode

In addition to book binding, the SpeedBind 420CF includes a padding mode for producing pads and similar products, increasing production flexibility.

## Specification

Automatic cover feeder	Standard	Side Glue	Yes
Cover feeder sheet capacity	100mm	Adjustable clamp pressure	Yes
Cover creasing	Yes, spine & hinge	Adjustable clamp time	Yes
Mode of operation	Manual, automatic & fast	Warm up time	40 minutes
Max spine length	420mm	Dust extractor	Included
Sheet capacity	2-60mm	Air compressor	Included
Production speeds	350-450 per hour	Electrical requirements	220-240v 50Hz
Control panel	7" Colour Touchscreen	Weight	366kg
Milling & notching	20 milling teeth & 2 notching blades	Dimensions	L2400mm x D820mm x H1260mm

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