

freedom 

bindline 

smartest high speed perfect binding line



**Bindwel series of perfect binding line with
freedom of possibilities ...**



Bindline 5000 with 90 Degree
Signa Gatherer and Trimit 50C
inline Trimmer

SIGNA > 5K GATHERER

- 4-20 stations configuration
- Sturdy design incorporating safety features
- Spine length: 140 -380 mm
- Book width: 110-300 mm
- Spine thickness: 3 - 50 mm
- Mechanical speed: offline 4500 BPH; inline 5000 BPH
- 40-250 GSM (single sheet depending on paper gsm & porosity)
- Required Controls and Electricals
- Stacker / delivery after Gathering
- Error detection protocols, handfed station
- Control system with HMI providing all information on settings, speed, production data, stoppage and maintenance warnings.
- Optional 90 Deg turn to infeed of binder,

INFEEED TO BINDER

FREEDOM > 5K PERFECT BINDER

- 12 coated clamps with centralised adjustment
- Milling station for spine preparation
- Hotmelt spine gluing unit, on castors with two application rollers with heated spinner. Head and tail cut off system
- Integrated premelter with main glue tank
- Hotmelt side gluing unit on castor wheels
- Rotary cover feeder with pulsed compressed air
- Scoring station with 2 and 4 scores and divided scoring tools
- Cover aligning and pressing station
- Downhill lay down delivery
- Control system with HMI providing all information on settings, speed, production data, stoppage and maintenance warnings.

CONVEYOR TO TRIMMER

(Custom built as per customer requirement)

TRIMIT > 50C INLINE TRIMMER

- Single cast (Monoblock) for sturdy, rugged and long life
- Automatic, high speed three knife trimmer, following stringent safety standards
- Incorporates international safety standards
- Touch panel with all error indications
- Control system with HMI providing all information on settings, speed, production data, stoppage and maintenance warnings.
- Forced air pressure to remove trimmed waste from trimming bed
- Oil bath to provide full time lubrication
- Optional spiral cooling conveyor

OPTIONAL

- Automatic version of Freedom 5K (with fully automatic book set-up from HMI)
- Book Block Feeder (for automatic feeding of sewn / stitched book blocks)
- PUR Gluing with Roller or Slot-Die applicator (Nordson®)
- BSRS Camera System for Signa Gathering Machine
- Side Stitching attachment with stitching heads from hohner® Germany

(Note - A typical BindLine configuration involving various connecting elements like Signa Gatherer, Freedom Binder and Trimit trimmers, has many elements in addition to conveyors, to make all the machines work in sync to provide the optimal quality and productivity. The machines, when bought individually will not include these hardware and software components. However, the individual machines can be upgraded with these features)

TECHNICAL DATA



Gathering Stations	4 - 20
Number of Clamps	12
Maximum Book Size	380 mm x 250 mm (420 mm x 300 mm – direct clamp feeding)
Minimum Book Size	140 mm x 110 mm (140 mm x 110 mm – direct clamp feeding)
Book Spine Thickness	3 mm to 50 mm
Maximum Cover Size	420 mm x 650 mm
Minimum Cover Size	140 mm x 220 mm
Mechanical Speed	2300 to 5000 cycles per hour
Electrical Supply	415V/3 Phase/50 Hz (40 kW)
Air Requirement (Dry Air)	75 CFM, 8 Bar (16 station configuration)



SIGNA > 5K



FREEDOM > 5K PERFECT BINDER



TRIMIT > 50C INLINE TRIMMER



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