

Technical Data

G460B

Machine Model	G460B/8	G460B/12	G460B/16	G460B/20	G460B/24	
No. of Stations	8	12	16	20	24	
Sheet Size (a)	196-460 mm					
Sheet Size (b)	135-230 mm					
In-line Speed	Max.: 6000 pcs/h					
Off-line Speed	Max.: 4800 pcs/h					
Machine Weight	3,000 kg	3,500 kg	4,000 kg	4,500 kg	5,000 kg	Sheet Size
Length of Machine	10,736 mm	13,022 mm	15,308 mm	17,594 mm	19,886 mm	

Challenger Binding Machine

Machine Model	Challenger-4000	Challenger-5000	
No. of Clamps	15	15	
Mechanical Speed	1000-4000 cycles/h	1000-5000 cycles/h	Binding format
Book Block Length (a)	140-460 mm	140-460 mm	
Book Block Width (b)	120-270 mm	120-270 mm	
Book Block Thickness (c)	3-50 mm	3-50 mm	
Cover Length (d)	140-470 mm	140-470 mm	Cover format
Cover Width (e)	250-640 mm	250-640 mm	
Power Required	55 kw	55 kw	
Machine Weight	5,800 kg	5,800 kg	
Machine Dimensions (L xW xH)	9950x1900x1500 mm	9950x1900x1500 mm	

Supertrimmer-100

Machine Model	Supertrimmer-100		
Untrimmed Book Size (a×b) (mm)	Off-line	Min.:85×80	Max.:445×315
	In-line	Min.:150×95	Max.:420×290
Trimmed Book Size (a×b) (mm)	Off-line	Min.:85×75	Max.:440×310
	In-line	Min.:145×90	Max.:415×285
Trim Thickness		Min.:10 mm	Max.:100 mm
Mechanical Speed	15-45 cycles/min		
Power Required	6.45 kw		
Machine Weight	4,100 kg		
Machine Dimensions (L xW xH)	3818x2390x1622 mm		

Superstacker-5

Machine Model	SS-5
Max. Speed of Stacking	1500 stacks/h
Spine Length	170-430 mm
Book Width	160-290 mm
Stacking Height	Max.:120 mm
Air Pressure	0.8 Mpa
Power Required	1.17 kw
Machine Weight	800 kg
Machine Dimensions (L xW xH)	2568x830x1405 mm

* The machine design and specification are subject to change without notice.



Challenger Binding System

Your Reliable Partner

Challenger Binding System

JMD presents you the Challenger-4000/5000 medium-speed in-line binding system. With a 15 clamps binder and speed up to 5000 cycles per hour, Challenger features manual function settings and operational convenience at an economical price.

- High net output
- Reliable binding quality
- Easy operation
- Precise adjustment with position indicators

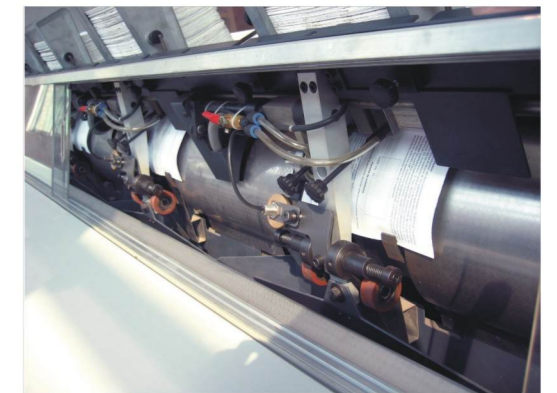


■ G460B Automatic Gathering Machine ■



G460B automatic gathering machine ensures high net output. The double gripper system and the vertical transport of signatures are combined in this machine with modern electronics and latest design. It can be used either as a stand-alone machine, or connected inline with Superbinder/ Challenger/Sunshine.

- Automatic signature inspection system that can detect miss-feeds, multi-feeds, and paper jams
- Reject gate for faulty signatures to ensure a non-stop production
- Product monitoring, fault diagnostics and quality control through the touch screen
- 1:1 or 1:2 speed mode
- Hand feeding station
- Criss-cross delivery
- Automatic image recognition system (Optional)



Challenger Binding Machine



The 15-clamp perfect binder is an ideal choice for small to medium production runs with speed up to 5000 cycles/hour. It features easy operation and precise change-over by position indicators.

Outstanding Features

Control Stations with Touch Screen Displays

Interactive operating menu provides simple and quick control of the machine. Production data, machine speed and alarm messages are displayed.



Inclined Infeed

Gathered signatures are transported from the gatherer and inserted into the clamp from the bottom. The leveling table with integrated vibrator guarantees that all the signatures are perfectly aligned before spine preparation.



Spine Preparation

Challenger has two spine preparation stations for milling and notching as standard configuration together with reliable suction removal of dust and paper particles, which makes sure that the spines are optimally prepared for glue application.



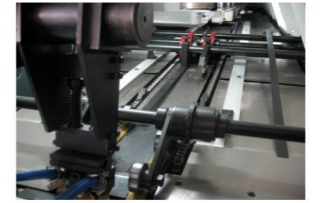
Gluing System

It offers flexible gluing techniques for separate processing of spine and side glues. Movable gluing units act as an interchangeable system for hotmelt or PUR application.



Stream Cover Feeding and Cover Scoring

The flat infeed design allows large production load to be produced stably and comfortably. Cover scoring wheel can be adjusted conveniently according to the book thickness and cover format.



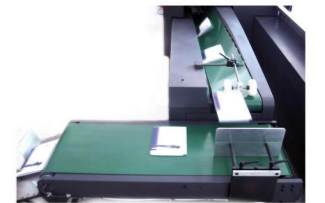
Nipping Station

A superior nipping system exerts powerful nipping pressure to create strong, durable binds with sharp spine corners.

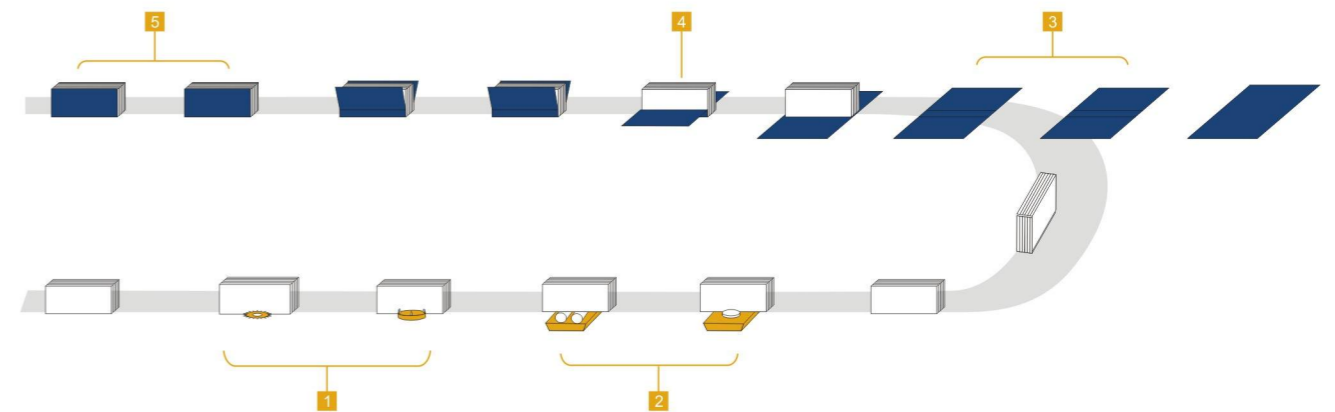


Declined Delivery

Smooth lay-down device prevents the spine from deformation and act as an interface for inline connection.



Work Flow



- 1 Spine milling, notching
- 2 Spine and side glue application
- 3 Cover feeding and scoring
- 4 Book nipping
- 5 Delivery

Option

Supertrimmer-100



The Supertrimmer-100 features sturdy configurations and precise cutting accuracy with a user-friendly touch-screen control panel. This machine can be used stand alone, or connected in-line for a complete binding solution.

Outstanding Features

- No book - no cut control to avoid unnecessary movements
- One-frame machine body for long lasting and consistent high-quality trimming

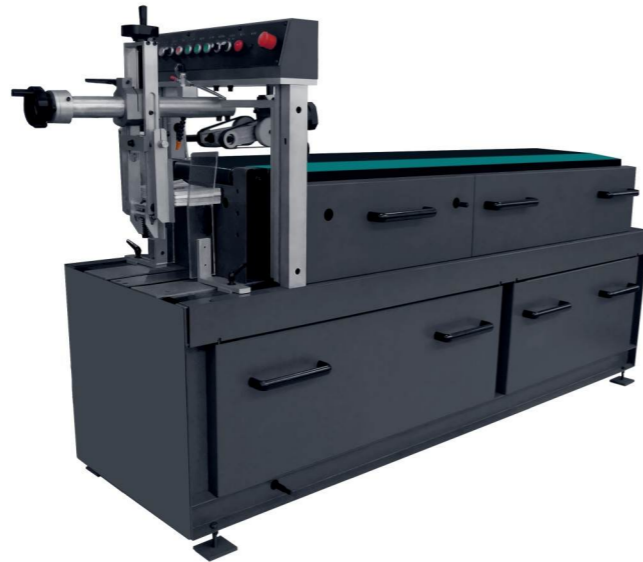
Option

Superstacker-5

Bound books are transported into the stacker to accumulate a predetermined number of books for trimming in the Supertrimmer-100.

Outstanding Features

- High stacking efficiency guaranteed by pneumatic control system



Option

Splitting Saw

The JMD splitting saw is a reliable machine for processing book blocks and paperbacks produced as two-up products in an economical manner. This machine can be used stand-alone, or connected in the production line.

Outstanding Features

- Easy and fast change over
- Solid construction ensures high splitting quality



Machine Layout

