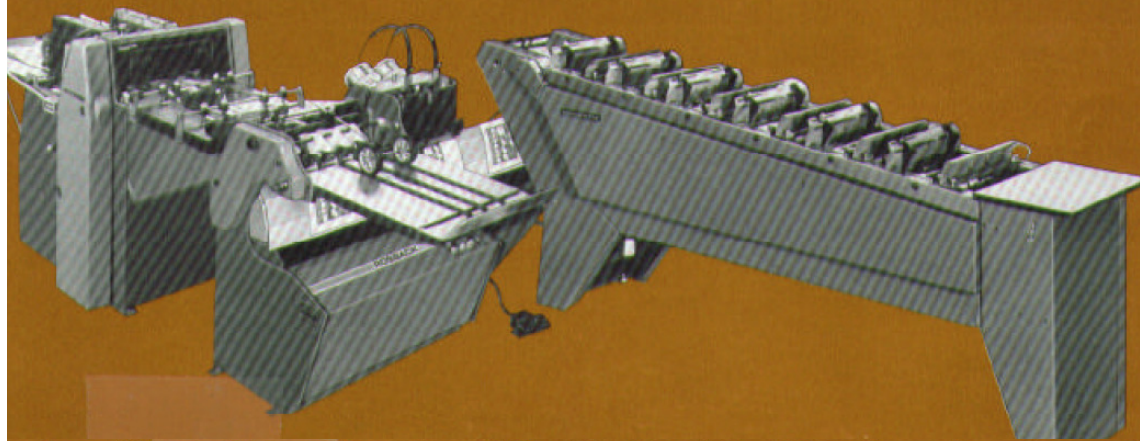


ROSBACK

A totally automated unit for feeding, stitching and trimming multiple signature saddle stitched books and booklets on runs from 500 to 500,000

featuring: • Increased production • Electric eye controlled stitching heads • Conveniently located central control panel for all functions • Automatic feeding with 6-pockets • Multiple stitching head capacity • 3-knife trimming to provide accuracy, quality and eliminate extra stock handling

model 203



BINDERY SYSTEM

"the finishing touch"

Exclusive rail lifting system raises book from transport tapes while being trimmed to prevent ink smearing or scuffing.

All 3 knives have scissor action for cleaner cuts and longer life. Books are trimmed one at a time to insure accuracy and virtually eliminate nicking covers or splitting spine.

Stop switch at rear of trimmer for convenience of operator.

Built-in stagger stitch places stitch in staggered position for improved stacking and boxing of completed work.

Quick-clamping, multiple stitching heads are easy to adjust or remove.

Newly designed feed finger provides greater surface contact when moving work to stitcher heads.

Electric eye and clutched heads prevent stitching unless signature is on the saddle.

Improved tape transport system provides better control of work between stitching and trimming functions.

All patent rights reserved

Check the
quality bindery

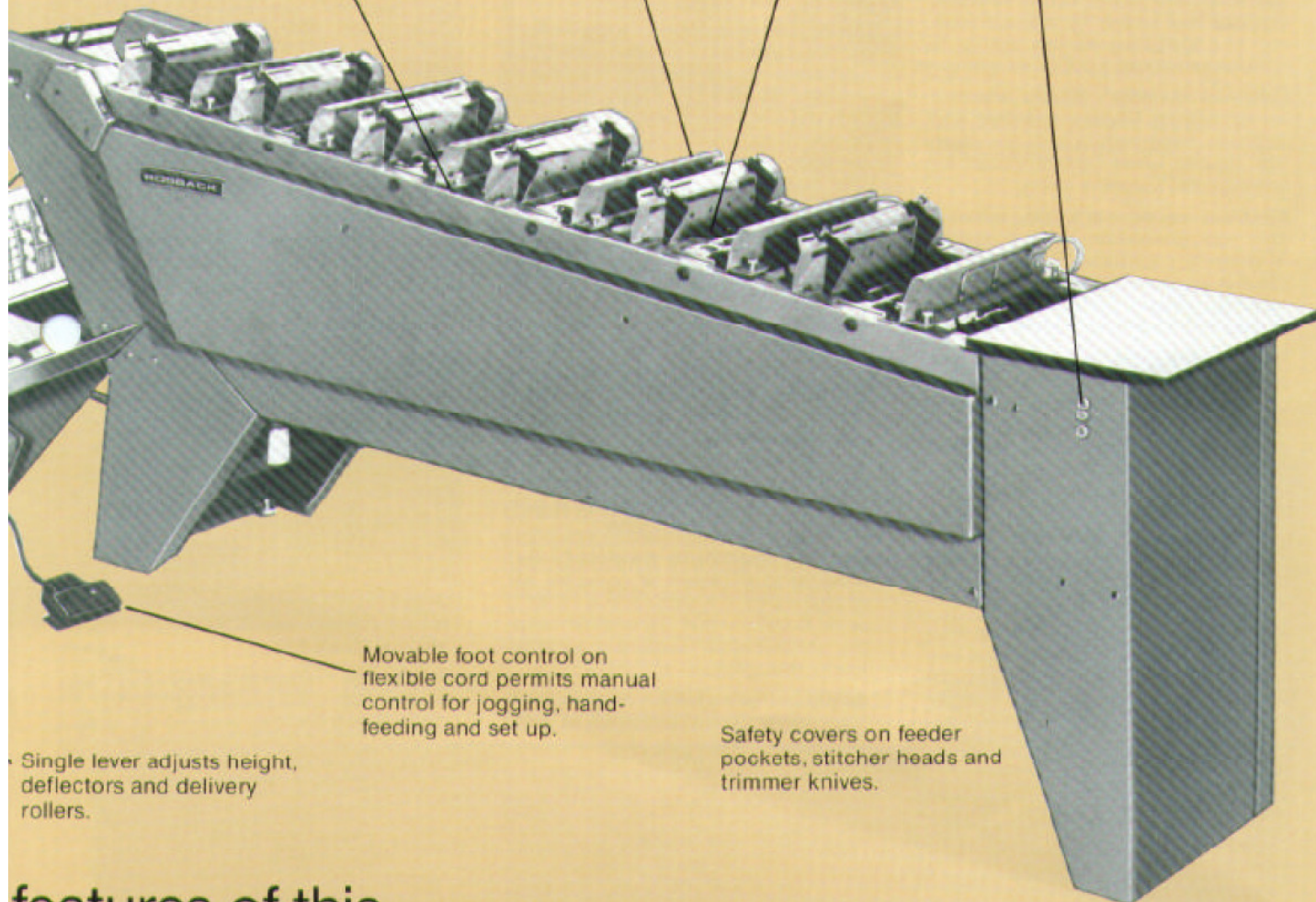
model 203

Bottom feeding permits continuous top loading of pockets. Easily adjusted pockets make short runs practical.

Air blast and mechanical action opens signatures... vacuum system separates signatures from bottom of pocket for positive feeding.

Station bottom assemblies give support to light-weight paper stock, especially for 4-page and 8-page signatures.

Start/stop switch at rear of feeder for operator convenience and easy set-up.



Single lever adjusts height, deflectors and delivery rollers.

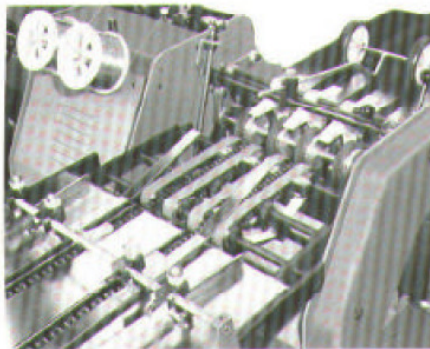
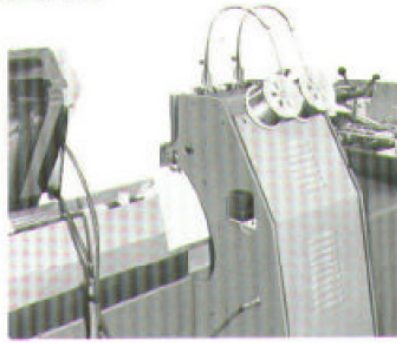
Movable foot control on flexible cord permits manual control for jogging, hand-feeding and set up.

Safety covers on feeder pockets, stitcher heads and trimmer knives.

features of this
production system **ROSBACH**
BINDERY SYSTEM

Standard Equipment

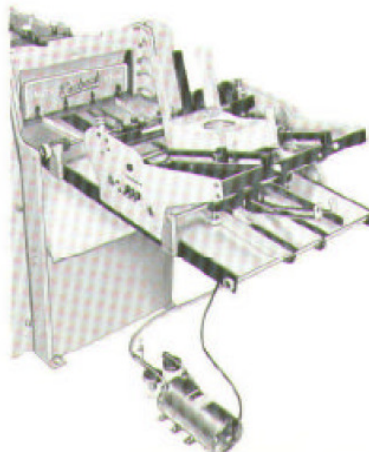
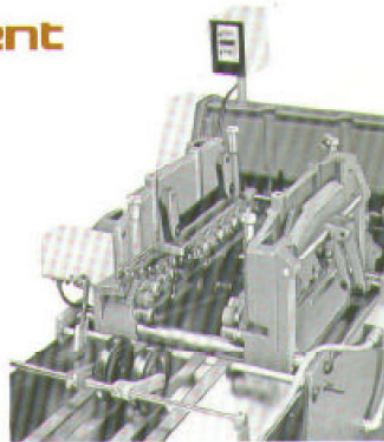
Electric eye signature sensor – If there is no signature in feeding position on the stitcher saddle, the sensor disengages the clutch that powers the head drive shaft to prevent stitcher head operation. Machine set-up and change-over are easier and faster.



New power driven book "speed-up" section on Auto-Trim provides improved handling of small and thick, bulky books from stitcher to Auto-Trim unit.

Optional Equipment

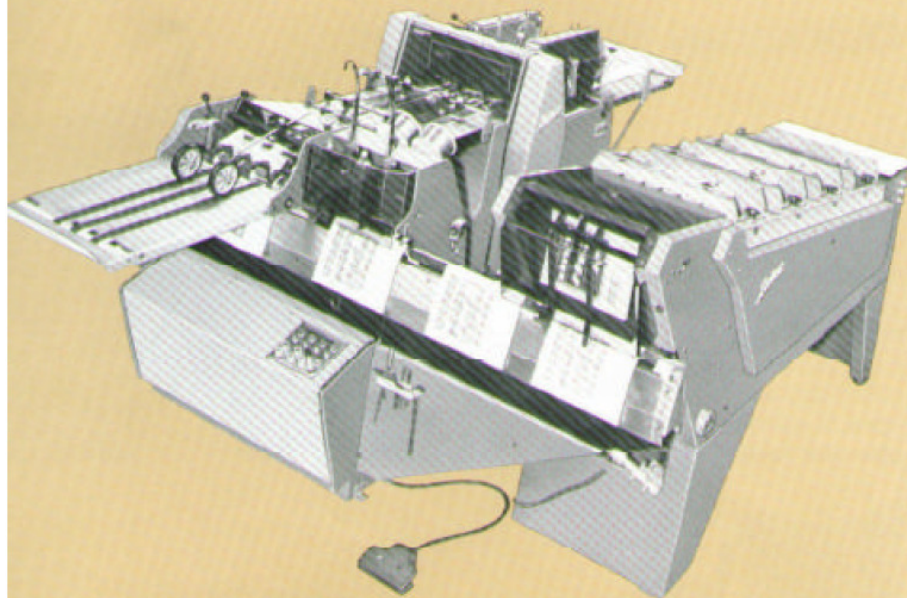
Batch and total counter provides accurate counting, and batches from 2 to 999,999 plus separate total count to 999,999. Only books delivered from trimmer activate the counter. Easy pushbutton setting on batch count. Kicker offsets last book in each batch to assist operator for boxing or stacking.



Stack feeder attachment permits 3-knife trimmer to be used on Perfect Bound or Flat-stitched books. Bottom feeding allows continuous loading from top. Stack feeder permanently mounts on trimmer and need not be removed when trimming saddle stitched books.



Built-in central control panel permits pushbutton operation of feeding, stitching and trimming functions for easy set-up and operation. Contains built-in timing light so machines can be timed to provide maximum production. Individual functions – feeding and stitching, trimming and stitcher heads – can be controlled independently or in combination for set-up. Panel lifts up for easy access to internal electrical functions.



Optional configuration shown can be ordered from Rosback with the Model 203 bindery system making it compatible to feed signatures with the lip on high numbered pages as on other saddle bindery equipment.

Standard features on Model 203 Bindery System

Operating speed and production increased—Variable speed ranges from 1800 to 5000 cycles per hour with average production range of 4000 per hour (32,000 in an 8 hour day). Booklets from 8 pages (2 sheets) up to $\frac{3}{16}$ " (approximately 120 pages) can be assembled, saddle-stitched and trimmed in one operation.

Electric eye signature sensor—When there is no signature on the stitcher saddle, the electric eye disengages the clutch which controls the head drive shaft to prevent stitcher head activation. Setting the machine for each job is faster and easier because stitcher heads do not cycle unless booklet is in position on saddle.

Engineered for operator convenience—Controls for set-up and continued operation are conveniently located. Movable foot switch for manual starting and stopping during set-up is standard equipment.

Electrical controls—Built-in electrics for operating Feeder, Stitcher and Trimmer combination are provided. Has 115-volt fused control circuit for operator and machine safety.

Electrical-mechanical braking action—This new generation braking system is virtually maintenance free. Stops stitcher cycle without "coasting" to maintain proper timing relationship between stitcher and 3-knife trimmer.

New saddle design—An extensive study of signature movement on saddle stitchers led Rosback engineering to develop this new concept of saddle construction. Stainless steel and baked enamel finishes assure a more rugged, long lasting saddle that will retain its "good looks" for years. The feed fingers have a larger surface contact area to reduce the tendency to "crush" stock while moving it into stitching position.

Multiple head operation—Up to four (4) stitching heads can be used at one time (especially useful when 2-up booklets are being stitched). Stitcher heads are quick clamping with simple

lever clamp that locks head in place. Easy to position or remove. Heads adjust for 2" minimum spacing and to 12" maximum spacing on end heads.

Improved, positive delivery—Single lever adjusts roller thickness and deflector to maintain proper distance when either thick or thin booklets are being delivered. Assures positive control of all books throughout delivery process.

Feeding:

Easy to set up—Individual pockets are easy to set up. Simply adjust width and length of each pocket to size of signatures. Economical to operate even on short runs.

Feeds and assembles signatures—Each pocket can handle individual signatures or pre-inserted signatures with 4, 8, 12, 16, or 32 pages. Minimum of $\frac{1}{4}$ " lip or overfold on low-numbered pages of signatures with standard configuration. Minimum of $\frac{1}{4}$ " lip on high-numbered pages with optional configuration. Feeder can be used with only one pocket loaded, or use only the number of pockets required for the job by disengaging vacuum on unused pockets.

Feeds from bottom for continuous top loading—Air blast and mechanical action opens signatures. A flat carrier bar moves into folded edge of signature for positive pick-up. Vacuum cups separate signatures from bottom of pile for smooth operation. Additional signatures can be loaded into the top of pocket while feeder is running, eliminating down time.

Missing signature detector—Set detector to thickness of complete set of signatures. If a signature is missing or no book is under the stitcher head, the stitcher and feeder are automatically shut off.

Safety anti-jam clutch—Automatically slips power drive off in event of over-

load to prevent motor burn-out or damage to feeder.

Trimming

All three knives have scissor action—Upper knives have shear action past hardened lower knives for cleaner cutting. The knives do not require sharpening as often as those in a standard paper cutter as the cutting knife does not cut against a cutting stick.

Double clamping on first cut—One set of clamps flattens the book and holds it against the stops. While these auxiliary clamps hold the book, the master clamp behind the front knife clamps the book, assuring a square front trim.

Each knife has its own clamp—Built-in clamp for each knife is actuated prior to cut.

Patented, specially designed roller and tape transport—Provides complete control of book throughout trim cycle. From the delivery on stitcher, the book is transported by means of a chain with fingers to the front trim. Each book is registered independently against stops to give desired book size and maintain a high degree of accuracy. After front trim is completed, the book is indexed into head and tail trim position by means of the roller and tape mechanism. While the first book is being trimmed at the sides, a new book is registered for the front trim.

Patented lifting mechanism—Book is raised from transport tape system while being trimmed to prevent ink smearing or scuffing.

Positive micrometer knife adjustment—Head and tail knives adjust from center for accurate cutting control.

Stops—Head and tail knife stops are automatically set when adjusting stops for front trim.

Trim waste—Trim waste automatically drops away from the knife area after each cutting cycle.

	ENGLISH	11 $\frac{1}{2}$ " x 15"	METRIC	292 mm x 381 mm
Maximum booklet size				
Minimum booklet size		4" x 7"		102mm x 178mm
Height		49"		1.24m
Length		20' 6" with 6-pocket		6.25m with 6-pocket
Width		7' 6"		2.29m
Net weight (approx.)		3600 with 6-pocket		1633kg. with 6-pocket
Shipping weight (approx.)		4150 with 6-pocket		1882kg. with 6-pocket

220-volt, 60-cycle, 3-phase power. 18 amps required for operation — 30 amp service recommended. Specifications subject to change without notice.

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