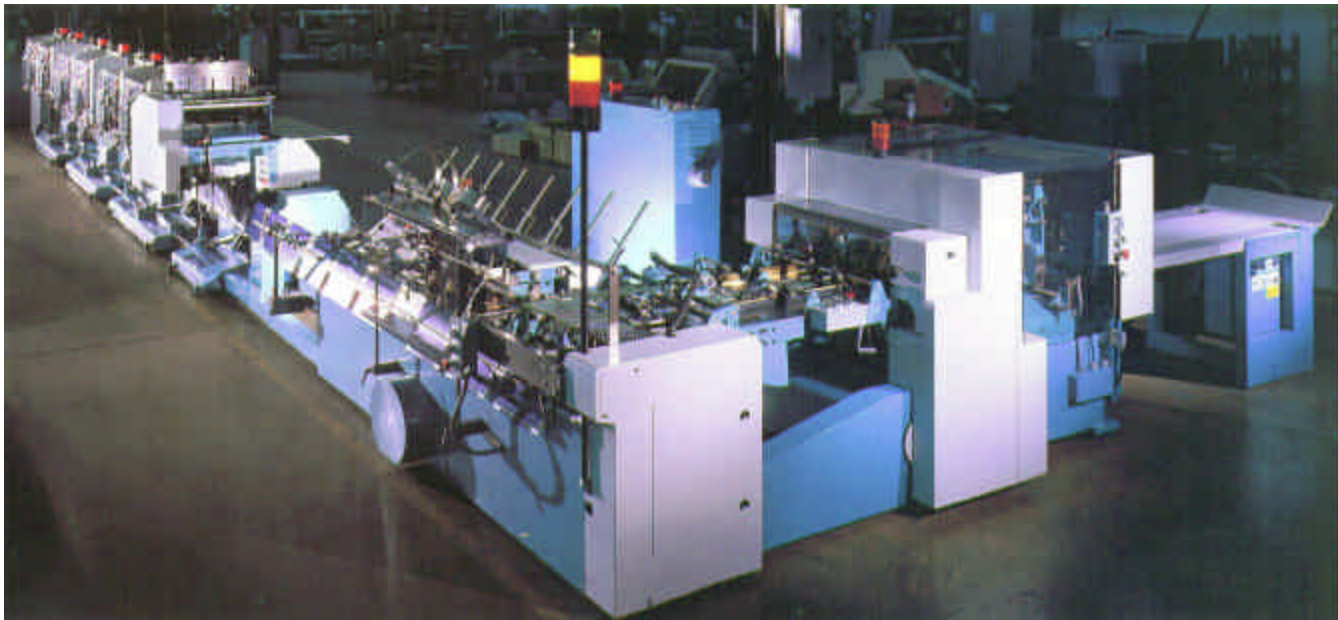


S 2000

Saddle Stitcher

Presenting a more productive
approach to bindery operations



Uptime

High production nets, fast makeready, precise stitching and trimming and the superior reliability that distinguishes all McCain equipment and systems. the S 2000 is a proven performer in bringing productivity and profitability up to speed.

The S 2000 surpasses all others in its class for saddle stitching versatility. It accommodates a broad variety of folded signatures and paper stocks for brochures, catalogs, periodicals and similar printed materials; and its feeders can open signatures in six

(yes, six) different ways, permitting you to accept just about any job your customer requests.

Close inspection of the S 2000 reveals that it is engineered to increase efficiency and maximize uptime (the actual machine hours that your job is running). It incorporates many of the features of our higher speed binders, including the shortest possible paper path through the feeders, a height adjustable gathering chain, and new Timing Pad trimmer transfer system.

As for dependable performance day in and day out, reduced main tenance

requirements, heavy-duty construction, and extended service life, the name McCain speaks for itself. Built-in features provide a completely new definition of standard equipment:

Gears, cams and sprockets are specially hardened for added strength and wear resistance.

Jam detectors and overload clutches at critical machine points.

Labor saving automatic lubrication for both the stitcher and trimmer.

Two stitcher strokes for improved control of signatures at high speeds.

Feeders

Reliable feeder performance is the key element to overall productivity. Even the most difficult jobs benefit from the S 2000's fast makeready and its easy loading, large capacity vertical pile infeed.

Unique clutch feed ensures smooth, precise feeding, even for light paper applications.

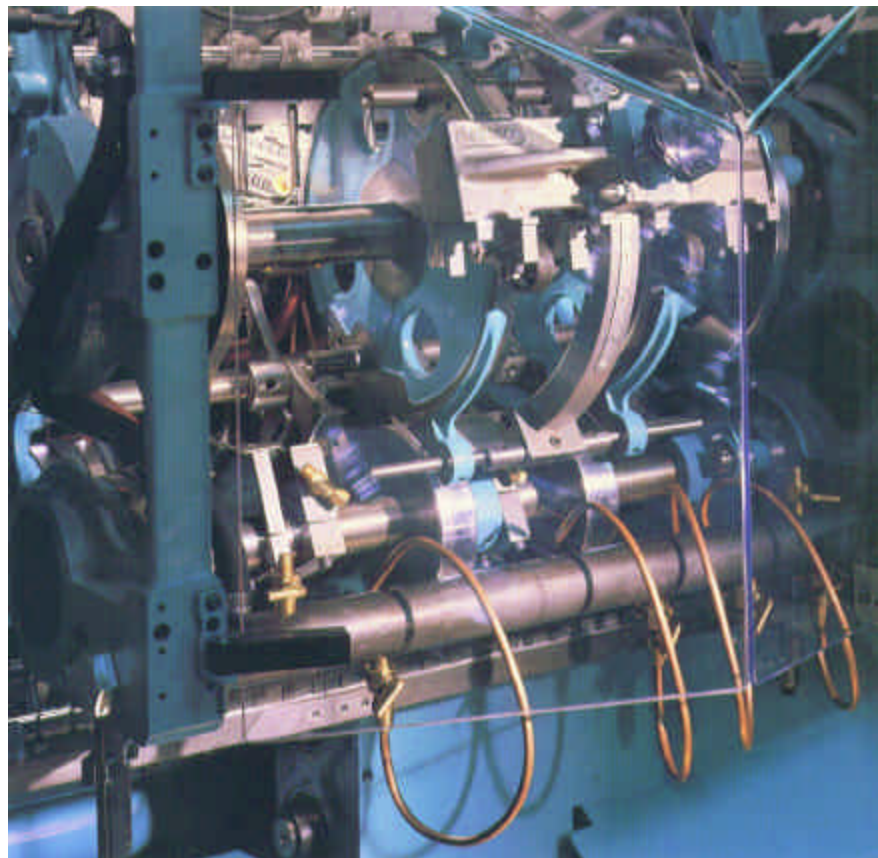
Two pairs of grippers on upper cylinder for lower surface speed and greater control as paper transfers to chain.

Standard interchangeable feeder units.

Quick disconnect between feeder and drive.

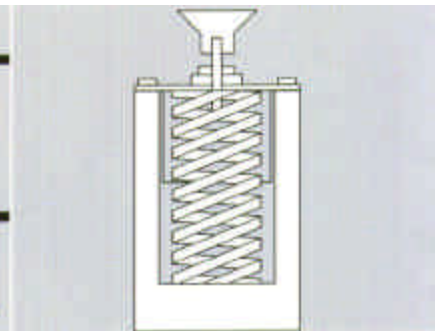
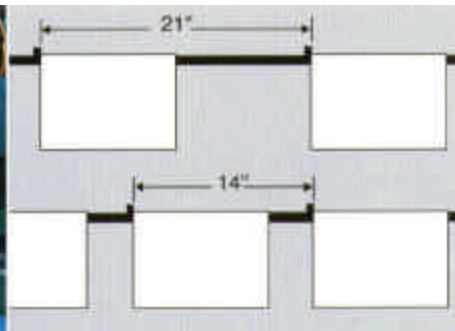
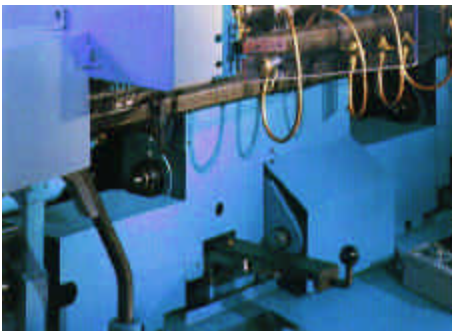
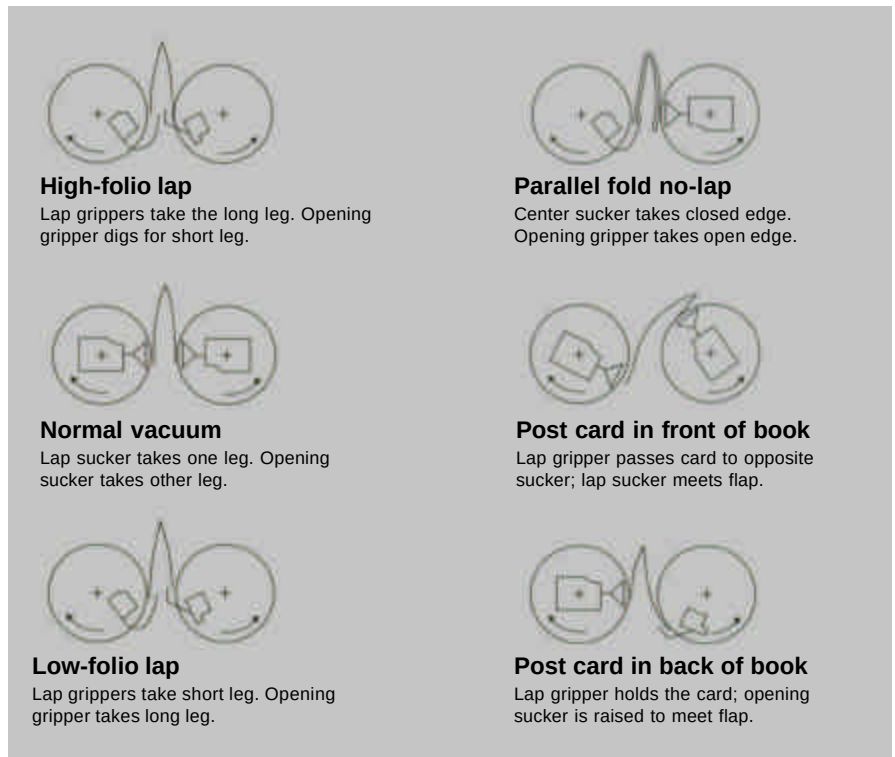
Plug-in air and electrical connections.

High capacity pocket infeed means fewer loaders can handle more stations



Opens Signatures 6 Ways

The versatile S 2000 feeders are engineered to adapt quickly and easily to virtually any signature that comes your way. Six different combinations of vacuum suckers and mechanical grippers are possible to open a signature.



Quick Timing Levers

The S 2000 feeders are built in pairs on a single base. This design allows for 1:1, neutral and 2:1 operation, and for individually timing any feeder to the gathering chain.

Variable Pin Spacing

The one-piece, narrow, hardened steel gathering chain includes two standard pin spacings of 14" (356 mm) and 21" (533 mm). Although it is not necessary to change the pin spacing on every job, 14" (356mm) pin spacing can be an advantage if a majority of work falls into the 8 1/2" x 11" (A4) range. The resulting slower surface speed of the chain combined with McCain's unique signature head-up system, allows more accurate signature registration and eliminates "fly-up", a problem encountered when running lightweight signatures at higher chain speeds.

Vacuum Openers

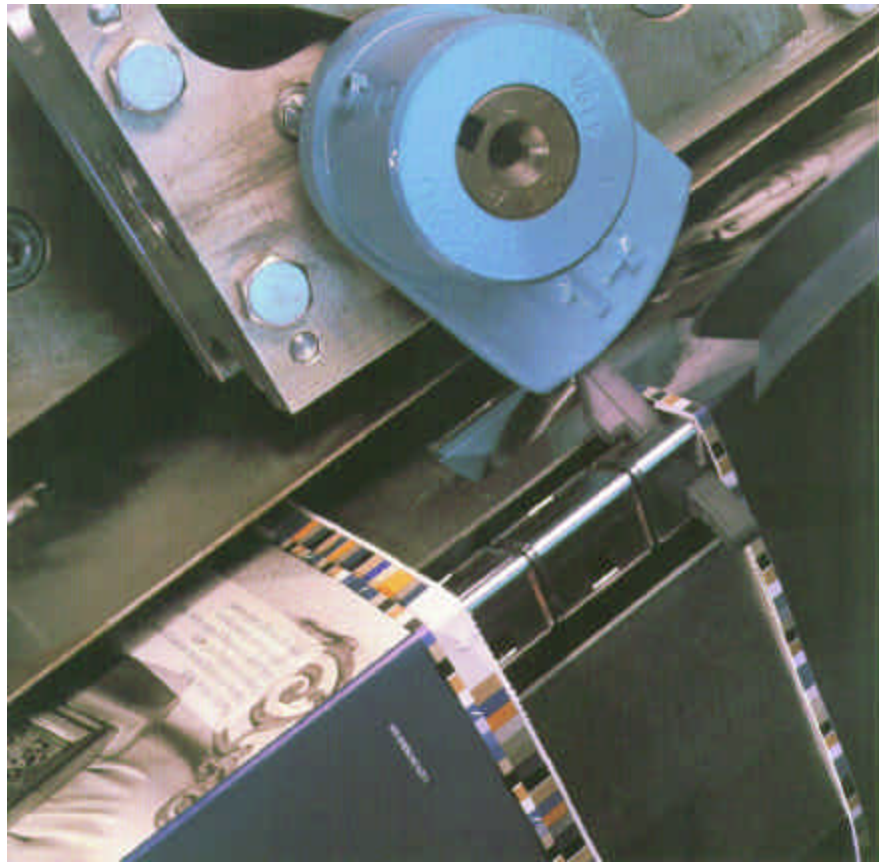
McCain vacuum openers adjust both around and across the shaft, in order to always be in the most effective position. They retract the instant that vacuum is applied which, in combination with cylinder rotation opens signatures faster and with greater control.

Caliper

The McCain S 2000 has a free-standing heavy-duty caliper capable of accurately detecting an extra or missing 4-page signature even in the thickest book.

The caliper is designed to inspect the book on the side, 2 3/4" (70 mm) down from the backbone, so it is not confused by folding irregularities that can occur in the backbone build-up.

The caliper uses a very short inspection duration and can be set to inspect books anywhere between head and foot. It is frequently set close to the pin in order to reject books that are even slightly out of jog, or in a specific location to check for the presence of cards, envelopes or order forms.



Stitcher

McCain's unique gripper bar transport system allows stitcher heads and clinchers to remain in a stationary position for highest stitch quality.

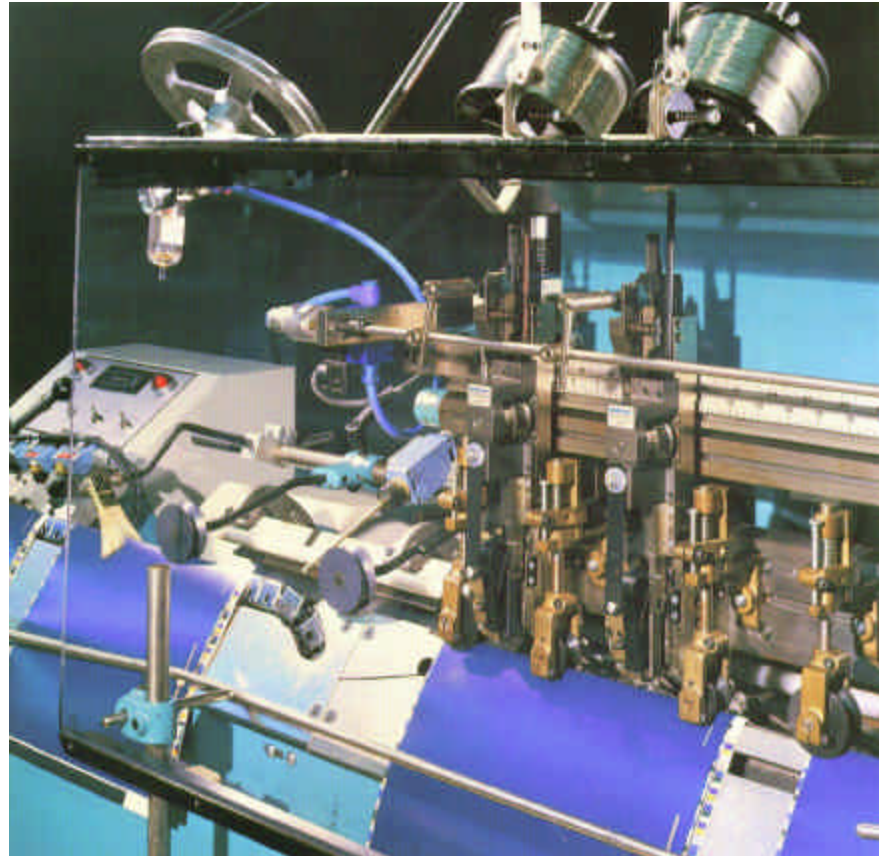
The stitcher face plate holds up to six Hohner stitching heads.

Face plate accommodates regular, loop stitch, or a combination of both heads.

A single control adjusts thickness and wire length simultaneously.

Sealed bearings and automatic lubrication system provide smooth operation with minimum maintenance.

Clutch-driven belts for smooth gentle transfer of any book thickness from stitcher to trimmer.



Trimmer

The McCain three-knife trimmer is a heavy-duty, precision component designed to handle a wide range of book sizes and thicknesses.

New Timing Pad transfer system routes books gently through trimmer with virtually no marking.

External knobs permit quick adjustment of front and head/foot cuts.

Direct reading scales simplify size setting.

Transfer system accommodates book sizes without adjustment.

Single control knob adjusts book thickness.

Book transfer system raises for easy access, cleaning, inspection and repair.

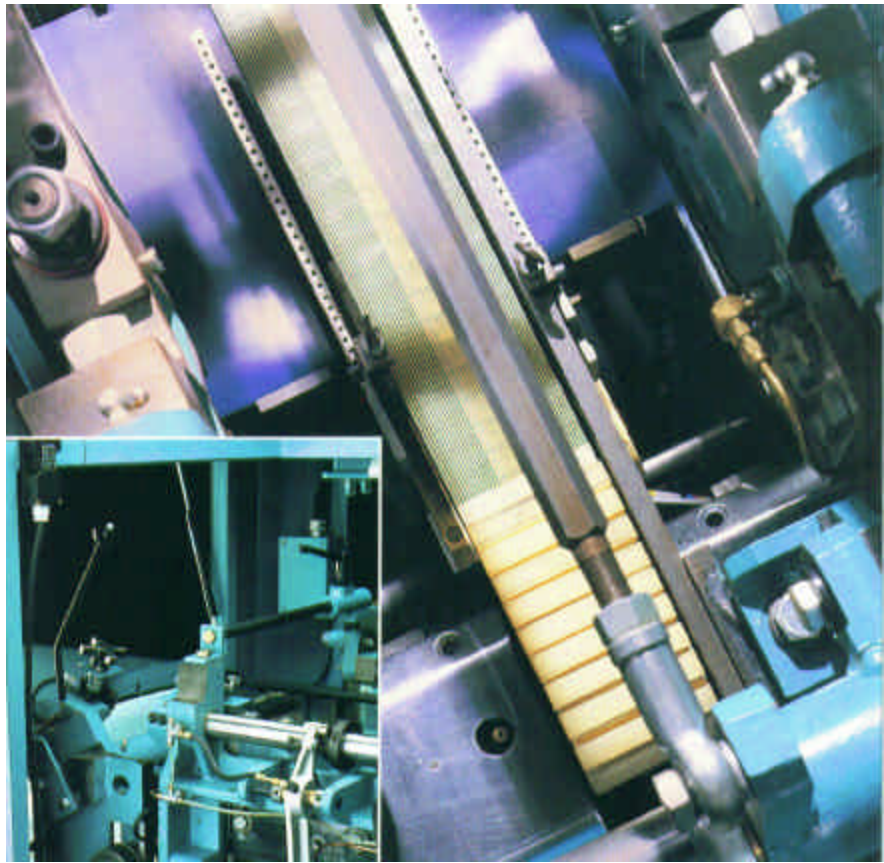
Trimmer performs front cut, then head/ foot trim for accurate book squareness.

Books are mechanically registered on all four sides in both trimming positions.

Provides 2 15/16" x 6" (75 mm x 152 mm) minimum size with no special attachments.

Belt drives reduce maintenance, wear and noise.

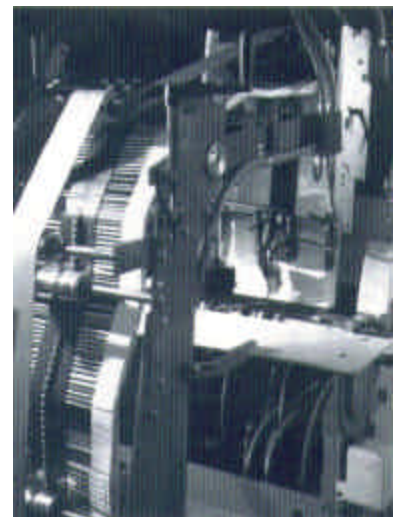
Automatic lubrication for easier maintenance.



Options

The S 2000 saddle binder can be customized through the addition of optional equipment to create a complete binding system geared to the precise requirements of any production environment. Among the options available are:

- Cover folder feeder
- Card folder feeder
- Center knife trimmer
- Counter stacker
- Inkjet printing systems
- Three-side out-of-jog detector
- Trim monitor
- Mailing table
- Automatic signature loader



Dependability

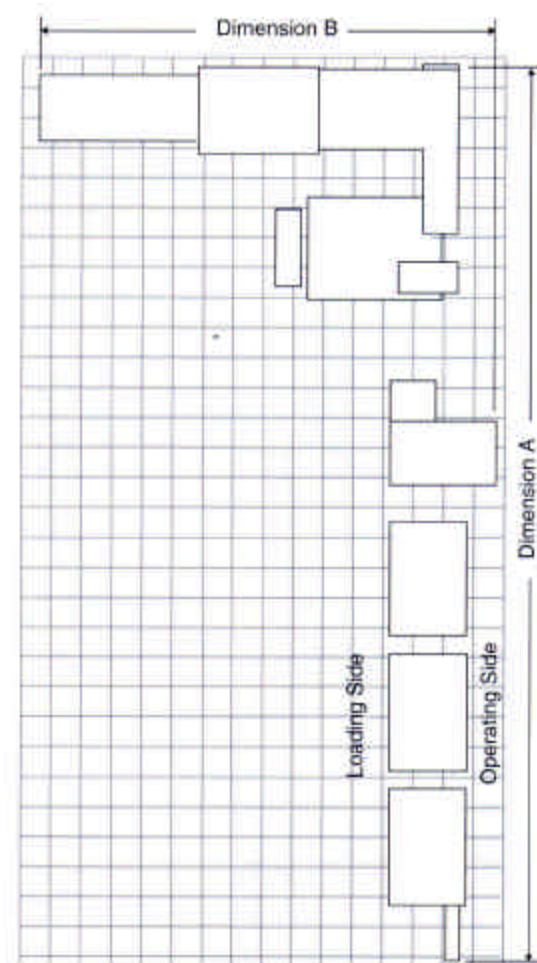
McCain understands that the key to profitability is increasing uptime. That's why we protect our customers' investment not only with electronic jam detectors that stop equipment if a problem is sensed, but with overload clutches located on signature feeders, the gathering chain drive and all transport systems in the trimmer. These clutches are designed to disengage before damage can occur, and then reset automatically when the obstruction is removed. We know our customers can't afford to compromise on performance and we support them with a double fail-safe system to keep our saddle binding systems running profitably and reliably year after year.

Technical Specifications

	Inches	mm
Minimum untrimmed	3 1/2 x 3 1/2	89 x 89
Maximum untrimmed	12x20	305x508
Minimum trimmed	2 15/16 x 6	75 x 148
Maximum trimmed	11 3/4x19	298x483
Maximum book thickness	1/2	13
Maximum trim-off, fore-edge	1 1/4	32
Maximum trim-off, head/foot	2 (each side)	51

Machine layout

Dimension A	feet	mm
(2 feeders)	23' 5"	7137
(4 feeders)	28' 6"	8687
(6 feeders)	33' 7"	10,236
(8 feeders)	38' 8"	11,786
(10 feeders)	43' 9"	13,335
Dimension B	15' 8"	4775



In production of this brochure, many of the guards have been removed for the purpose of photographic access. Be sure to replace all guards after removal. Never operate machine without all guards securely in place.



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