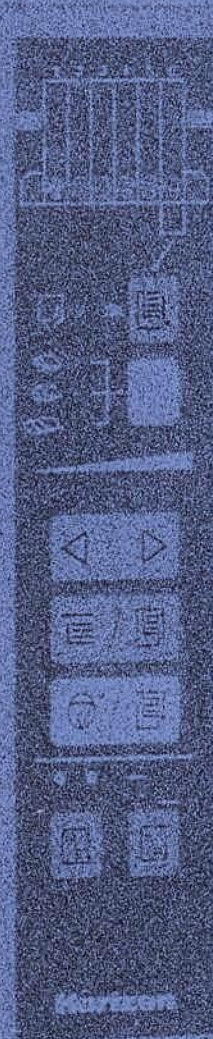# Standard Horizon MC-80 Collator System

STANDARD

The MC-80.

For commercial and in-plant printers who demand superior print finishing, Standard presents the Standard Horizon MC-80 Suction Collator System. Based on proven suction-feed technology, the MC-80 is designed to maximize your productivity and your profits.
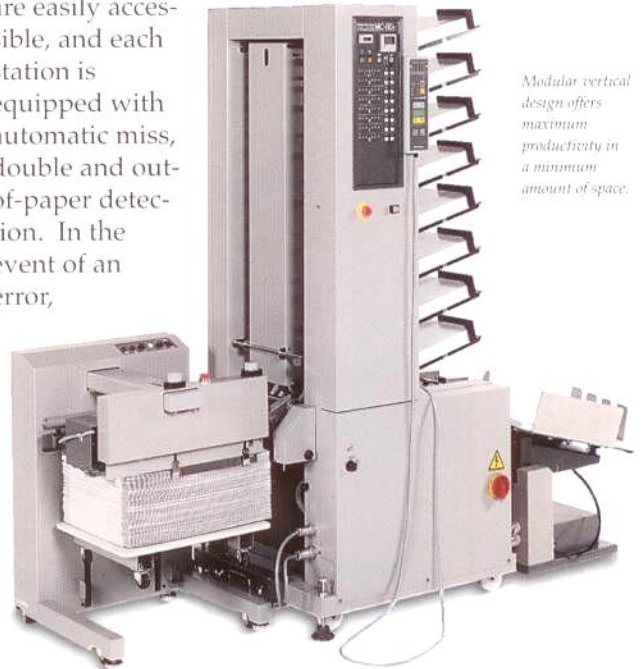
The Best Just Got Better.

Standard Horizon collators have earned a reputation for superior quality and legendary reliability. Advanced design, state-of-the-art manufacturing and impeccable quality control are combined to produce a vertical collating system that will deliver top-quality performance and productivity for years to come. The MC-80 offers a complete range of quality-engineered finishing accessories, including stitchers, folders, and trimmers that produce tight, consistent and mark-free booklets. In-line offset and criss-cross stackers, vibrating joggers, single and multiple head stitchers, and an extended conveyor for long-run ease are also available. The new Standard Horizon MC-80 – highly productive, highly reliable, and highly profitable.

Feature-Rich Design Delivers Higher Productivity.

The Standard Horizon MC-80 Collator offers proven, state-of-the-art, suction-feed technology that eliminates feeding and marking problems. The space-saving, vertical design also incorporates advanced programming features – a real productivity advantage that allows non-stop collating. Designed for quick set-ups and changeovers, the MC-80 produces up to 3,500 straight-stacked sets per hour. It handles a wide range of stocks, from 11 lb. to 10-point cover, efficiently and error free. And, sheet size can range from 5.8" x 8.3" to 12.5" x 18.5".

No special skill or training is needed to operate the Standard Horizon MC-80 system. Simple controls and adjustments are easily accessible, and each station is equipped with automatic miss, double and out-of-paper detection. In the event of an error,

Modular vertical design offers maximum productivity in a minimum amount of space.

the collator stops instantly, giving the operator an LED indication of exactly what happened and where the problem occurred.

Expandable from 8 to 48 stations, the MC-80 is easily tailored to meet your specific collating requirements. And, it can grow with you as your needs change. The optional hand-marry station allows you to effectively stretch the system to take on jobs that have more sheets than the collator has stations. What's more, the new rear-exit option lets you run two jobs at once. It all adds up to productivity, reliability and profits.

The optional Hand-marry station allows pre-collated sets or covers to be hand-inserted from the rear tower. This effectively stretches the system to allow you to take on jobs that have more sheets than the collator has stations.

A dual set of error indicator lamps allows you to pinpoint the problem station and the location of an errored set.

Complete system operation, including all program functions and monitor lamps, are centralized on the remote control for operator convenience.

An operator-selectable double-air-blast system provides efficient sheet separation.

"As a quality commercial printer we rely on the professional results of our Standard Horizon MC-80 to meet our customer's needs — with its superior performance, reliability, and profitability it's no surprise that we just bought another one!"

Mike Lafferty, President
Thomas Graphics, Dayton, Ohio

The Standard Horizon MC-80 in-line with the
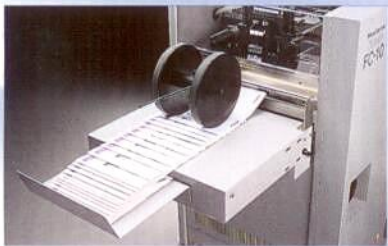SPF-10II Stitcher-Folder and FC-10II Face Trimmer.

High Quality, Heavy-Duty Finishing Accessories.

Standard offers a complete range of precision-engineered finishing accessories. You can choose from offset, criss-cross and vibrating stackers; a stitcher-folder combination unit and a face-trimmer; and two stitcher models. These accessories can be combined in various configurations for optimum flexibility and continuous high-speed productivity. An optional 48" extended conveyor and batch-kicker add long-run ease and convenience.
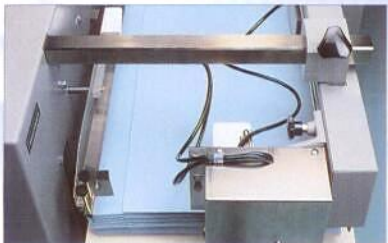
SPF-10II Stitcher-Folder

The heavy-duty SPF-10II can produce top, corner, and saddle stitching, with or without folding. Side and end jogs can be varied in speed and frequency to square-up any kind of set. And the SPF-10II does not have to be removed to perform straight collating, saving valuable changeover and set-up time. The SPF-10II is equipped with a dual set of fold rollers and anti-bounce jog fingers for tight, accurate folds.
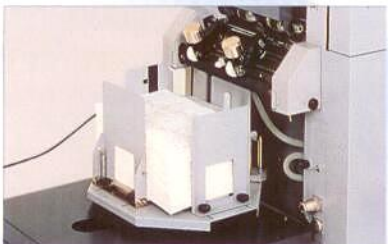
FC-10II Face Trimmer

This heavy-duty shear-action face trimmer includes self-sharpening upper and lower steel blades with durable hardened-steel insets for a long-lasting knife edge. Face trim waste is air-blasted into a slide-out drawer for clean, easy disposal. The FC-10II's knife guidance system assures consistent, accurate knife travel.
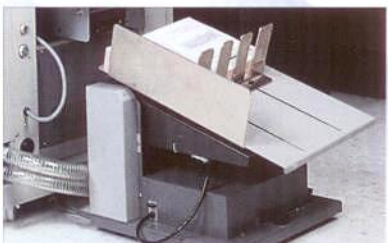
ST-20 Receding Offset Stacker

The ST-20 is a straight or offset receding stacker that offers a 13" pile height and 20-second return time after unloading. An automatic start-up feature begins system collating immediately after the dolly is raised to the home position (spare paper dolly included). It can also be added to the SPF-10II Stitcher/Folder or the SP-10 Multiple-Head Stitcher for stacking corner- and side-stitched sets.

CCR Criss-Cross Stacker

The criss-cross receiving tray swings 90 degrees after each cycle, providing clearly separated sets to simplify handling. It can also be added to the SPF-10II or the SP-10 Multiple Head Stitcher for stacking corner- and side-stitched sets.

PJ-77 Vibrating Jogger

The PJ-77 is a vibrating and descending jogger for attachment to the front or rear of the MC-80 system (rear-exit option required for rear delivery). Driven by a separate motor, the PJ-77 jogs collated sheets into perfect alignment and lowers automatically in step with the system's collating speed.

SP-10 Multiple-Head Stitcher

Providing corner and side stitches, the SP-10 allows up to four stitching heads for in-line productivity. It comes standard with two stitching heads and a receiving tray.
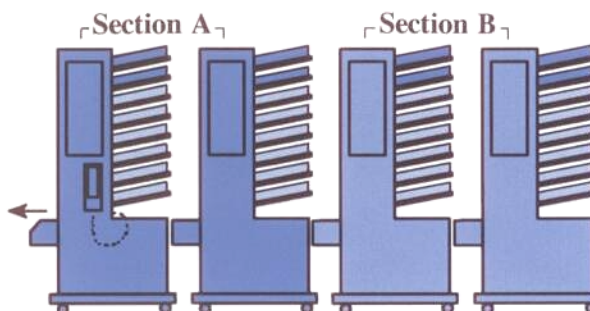
Advanced Programming At Your Fingertips.

The MC-80 is equipped with computer-assisted programming that is extremely powerful and very easy to use. You can select three basic collating programs – "Divide-by-Two," "Dual-Cover-Feed" and "Combined Mode". By pressing only two buttons on the system's remote control, you can select the program that's best suited to meet your needs.

The "Divide-By-Two" program enables the MC-80 to automatically switch between two different sections for non-stop productivity.

Divide-By-Two

The *Divide-By-Two* program allows the operator to achieve non-stop productivity. The MC-80 system is divided into two sections. The first section is loaded, production is started, and then the second section is loaded. When any station in the first section empties, the MC-80 immediately switches over to the second section and continues collating. The operator can then reload the stations in the first section, without interrupting the run.

Full-featured remote control operates and monitors all collator functions.

Dual-Cover-Feed

If you are using a heavy-weight cover, your cover station will always empty first. The *Dual-Cover-Feed* program designates the top two bins as cover stations. When one cover station empties, the MC-80 automatically switches over to the other cover station. This eliminates the need to halt production to reload covers while ample supplies of text stock are still available.

Combined Mode

The "*Divide-By-Two* and "*Dual Cover Feed*" programs can be operated together to achieve absolute maximum productivity and efficiency. The MC-80 automatically switches between sections and designated cover feed stations in each tower.

Expandable Up To 6 Towers.

With the Standard Horizon MC-80, you can expand your collating capabilities as your needs change, or as your business grows. From a single tower with 8 highly productive stations, you can increase your collator system up to 6 towers for 48 stations of non-stop productivity in a minimum amount of space.

Modular vertical design allows up to a 6 tower configuration for a total of 48 stations in a minimum amount of floor space.

Rear Delivery For Added Convenience

The MC-80 offers the added convenience of rear-delivery from the back tower of the system. The operator can collate up to 8 sheets into a vibrating jogger without moving any accessories connected to the front of the system. For twice the productivity, the operator can be collating a booklet job into the finish ing accessories at the front of the system, while at the same time collating a straight-stack job at the rear. What's more, the rear delivery is also useful for collating reverse-numbering jobs, because the sheets are turned over during transport.

The rear-delivery allows the operator to do straight collating to the rear without having to disconnect finishing accessories.

Specifications — MC-80

Number of Stations	8, 16, 24, 32, 40 or 48 stations (up to six towers of 8 stations each)
Paper Weight Range	11 lb. NCR to 12 pt. cover (or equivalent)
Bin Pile Height	2"
Error Detection	Miss, double, jam and bin-empty detection (opacity photocell); dual set of error monitors; operator selectable and adjustable

Production Speed*	Straight Stacking	Corner/Side/Top Stitching	Bookletmaking
Feeding 8 stations	Up to 3,500 sets/hour	Up to 2,700 sets/hour	Up to 2,700 sets/hour
Feeding 16 stations	Up to 2,500 sets/hour	Up to 2,700 sets/hour	Up to 2,700 sets/hour

Sheet Size	Straight Stacking		Corner/Side/Top Stitching		Bookletmaking	
Minimum/Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Optional accessories allow smaller sheet sizes	5.8" x 8.3"	12.5" x 18.5"	5.8" x 8.3"	13" x 14.3"	8" x 8"	12.5" x 18.5"

Power Requirement	200-230 V AC (3-Phase), 50/60Hz
Power Consumption	MC-80A Tower - 1,900 W MC-80M Tower - 200 W (1,900 W with EAP-80 Pump)
Weight / Shipping Weight	MC-80A Tower - 505 lbs. / 662 lbs. MC-80M Tower - 492 lbs. / 607 lbs. EAP-80 Pump - 175 lbs. / 211 lbs.
Dimensions / Shipping Dimensions	MC-80A Tower - 30.7"L x 23.2"W x 64.6"H / 39"L x 48"W x 75"H MC-80M Tower - 30.7"L x 23.2"W x 64.6"H / 39"L x 48"W x 75"H EAP-80 Pump - 24"L x 15.7"W x 16"H / 19"L x 25"W x 23"H
Features	Advanced programming for non-stop productivity; full-featured remote/monitoring control; selectable single and double air-blast; cover feeding; preset tabbing on top two bins; reset table totalizing counter; automatic sheet opacity memorization; selectable detection sensitivity; no adjustment needed for suction feeding; simple makeready.
Options	Rear Exit with vibrating jogger (1,800 sets per hour); HMU-80 Hand-Marry Unit (maximum 24 sheets of 24 lb. bond)

Specifications — SPF-10II Stitching and Folding System

	Corner/Side/Top Stitching	Bookletmaking
Application		
Minimum/Maximum Sheet Size	5.8" x 8.3" up to 13" x 14.3"	8.3" x 8.3" to 13" x 18.5"
Maximum Thickness	0.25" maximum (5/16" with optional stitching head)	24 sheets 20 lb. bond or equivalent
Production Speed*	Up to 2,700 sets / hour	Up to 2,700 sets / hour
Power / Consumption	120V AC, 60Hz, 500W	
Weight / Shipping Weight	616 lbs. / 761 lbs.	
Dimensions / Shipping Dimensions	50"L x 24"W x 34"H / 43"L x 73"H x 36"L	
Features	Two stitching heads standard (accommodates up to four); air assisted adjustable side and front joggers (speed and intermittence); knife fold with dual set of fold rollers (one steel set and one steel and rubber set); hand-feed table; castor-mounted.	
Options	Upgraded stitch heads; 48" LC Extended Conveyor; PK-10 Batch Kicker to separate predetermined lots; Short Sheet Kit (allows SPF-10II to produce 4.75" x 3.75" finished booklet); Narrow Sheet Kit (allows SPF-10II to produce 6.75" x 3.5").	

Specifications — FC-10II Trimmer

Trimming Mechanism	Shear-action self-sharpening system
Minimum / Maximum Trimmed Booklet Size	3.9" x 8" (4.75" x 3.5" with special kit) to 8.9" x 12.6"
Trimming Margin	0.8"
Cutting Thickness	48 sheets of 20 lb. bond
Production Speed*	Up to 2,700 booklets/hour
Power / Consumption	120 V AC, 50/60Hz, 250 W
Weight / Shipping Weight	410 lbs. / 491 lbs.
Dimensions / Shipping Dimensions	24"L x 22.4"W x 41"H / 29"L x 27"W x 49"H
Features	25" variable speed exit conveyor; hand-feeding table; air-blast trim removal into slide-out scrap drawer; easy blade removal; extra set of cutting knives; castor-mounted.
Options	LC Extended Conveyor; PK-10 Batch Kicker to separate predetermined lots

Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions.

As part of our continuous product improvement program, specifications are subject to change without notice.