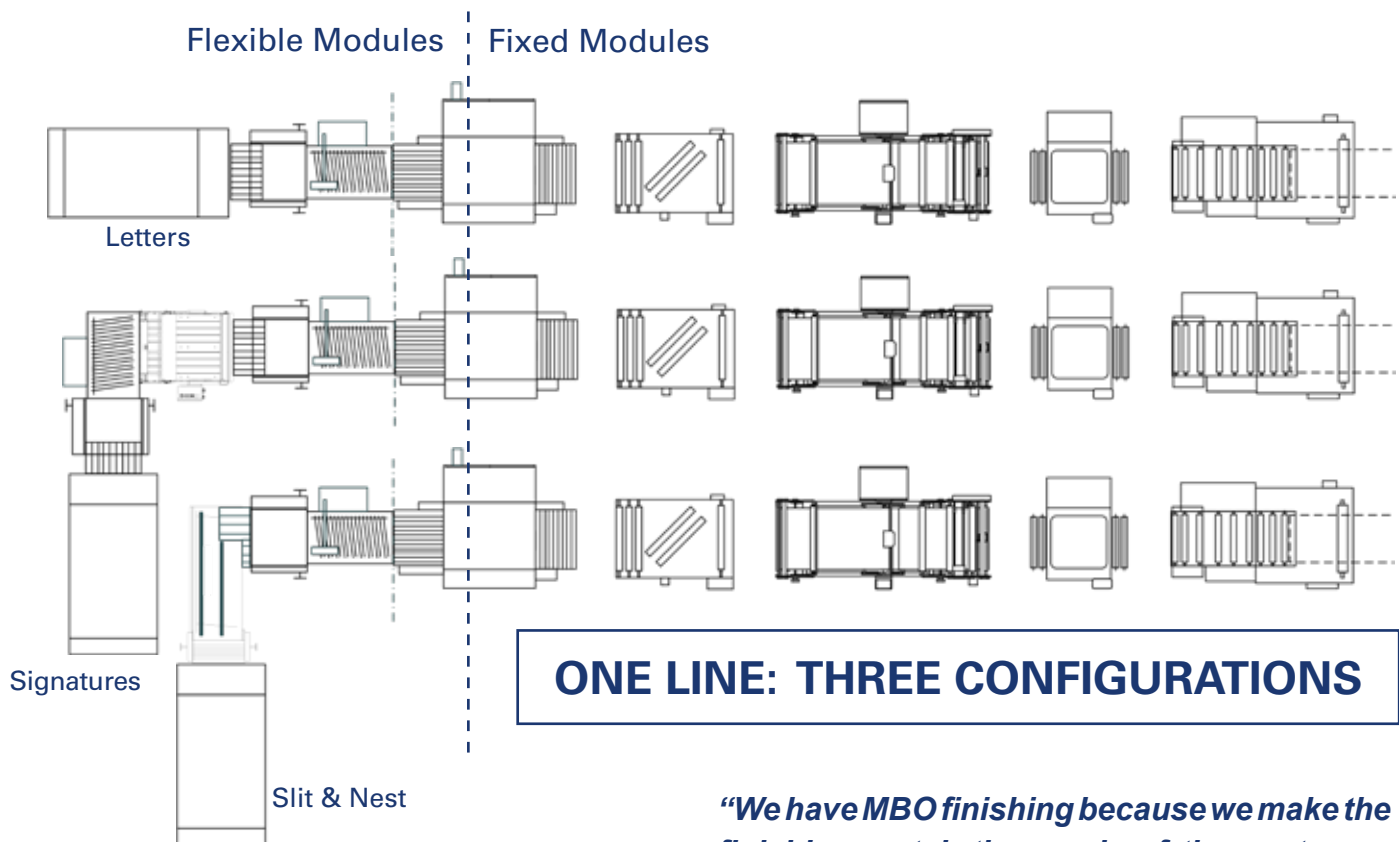




Innovative Finishing

Solutions

MBO's Modular Rollfed Finishing Concept



MBO's finishing systems are true modular production lines, where each component adds value to the product as it moves through the line. We design finishing solutions to be flexible down to the point of make-ready which gives printers several unique advantages. We separate ourselves from other manufacturers which usually require a factory design change to change production formats and are not really flexible job by job. This scalable investment is unique to MBO's offering and is at the core of our business model, allowing growth in a fast changing industry. It is automation at the process level. Ganging together many steps to remove human touches is at the core of the goals of automation.

"We have MBO finishing because we make the finishing match the needs of the customer, not the other way around...Our goal is to touch it once to print it and touch it once to finish it. This is how we meet the delivery time requirements for our customers".

- Dave Fenske - Fenske Media Group

Benefits of the Modular Approach

- Tremendous flexibility to meet customer needs, without cookie-cutter requirements
- One-step finishing reduces job turn-around
- Mix-and-Match modules to create new products
- Many available modules including: Pile, Pallet, & Continuous Feeders, Cutting Units, Folding Machines, Registration Tables, Plow-folding & Knife Folding Units, Glue Application Systems (Hot or Cold), Wide Range of Deliveries
- Modules are widely accepted and highly serviceable and supported for the future

Rollfed Letterfold Solutions



UP TO 824 FPM!



The Direct Mail Market

MBO's high speed letterfold system is the most popular solution for roll fed finishing in the commercial print market, targeting the marketing, advertising, direct mail, self-mail and specialty segments. The modular design concept integrates the capabilities of MBO's buckle folder technology to the web finishing market, easily adapting itself to most any format letter, or newsletter layout. With a maximum web speed of 824fpm, 4" to 80" variable cutoff, and low labor requirement, there is no better way to finish your mail piece directly from the roll. MBO's modular design allows for future growth and changing market needs. Additional modules can include dynamic perforating, dynamic scoring, coating, plowing, gluing, trimming, gatefolds and split and merge for greatly enhanced final products. MBO finishing systems give you the ability to produce mail pieces that stand out from the crowd and secure more conversions.



Available as an in-line or near-line solution

Specifications

- Web Width Max:23" or 30"
 - Cutoff Length.....4" to 80"
 - Max Web Speed.....824fpm
 - InterfaceNearline or In-line
 - Configuration.....Modular
 - Sheet TrimChip-Out, Side Trim
 - Fold Plates.....6/4
 - Output2 - 4 Streams
 - EmbellishmentDynamic Perf,
AQ - UV Coating
 - Delivery SystemsShingle, Stack, Bundle
- Application, environment, operator skill and substrate conditions could affect published ratings.

Rollfed Self-mailer Solutions



Self-mailers for Marketing

Self-mail marketing pieces get noticed by the target audience at a higher rate, with face messaging, embellishments and stock types that catch the consumer's eye without opening. MBO steps up their roll finishing portfolio with modules that cut, fold, perf, score, tip-on and glue, using up to 12-pt stock, all in one step. The key to success for production of complex products is to use a single step finishing process. Gone are the days where finishing includes many individual steps, requiring increased labor and taking many days to complete. MBO's modular concept shines in this niche where finishing lines can be reconfigured easily and quickly for multi-step finishing. Additionally, new plug and play modules can be easily added to existing lines preserving your initial investment while still growing with the needs of your customers.

Recommended for
near-line solutions

Specifications

- Web Width Max:23" or 30"
 - Cutoff Length4" to 80"
 - Max Web Speed.....500fpm
 - InterfaceNearline Recommended
 - Configuration.....Modular
 - Sheet TrimChip-Out, Side Trim
 - Fold Method.....Plow Vacuum Table
 - Output1 - 2 Streams
 - EmbellishmentDynamic Perf
AQ - UV Coating
 - Delivery SystemsShingle Recommended
- Application, environment, operator skill and substrate conditions could affect published ratings.

Rollfed Miniature Folding Solutions



Miniature Folding From MBO

MBO has developed a rollfed miniature product finishing solution to respond to the increasing demand for roll fed inkjet print in this sector. This is a niche industry serving medical, pharmaceuticals, cosmetics, electronics and other specialty packaging, also known as product information inserts or PI's. The segment uses a wide range of stocks from 40gsm pharma paper to glossy commercial grades. MBO is fortunate to have H+H, the leader in machinery for miniature folding and specialty finishing, as part of their company. The roll fed sheeting system is again used as a feeding unit, able to send trimmed, perfed, scored, and cut sheets to the H+H miniature folding and finishing modules. Along with folders that can have up to 24 buckle plates and fold lengths as low as 3/4", special modules that press, glue, label, vertically stack and automatically tray the product are integrated into these lines. Once again, the goal is to fully finish the product in one step to reduce turn time and keep labor requirements as low as possible.



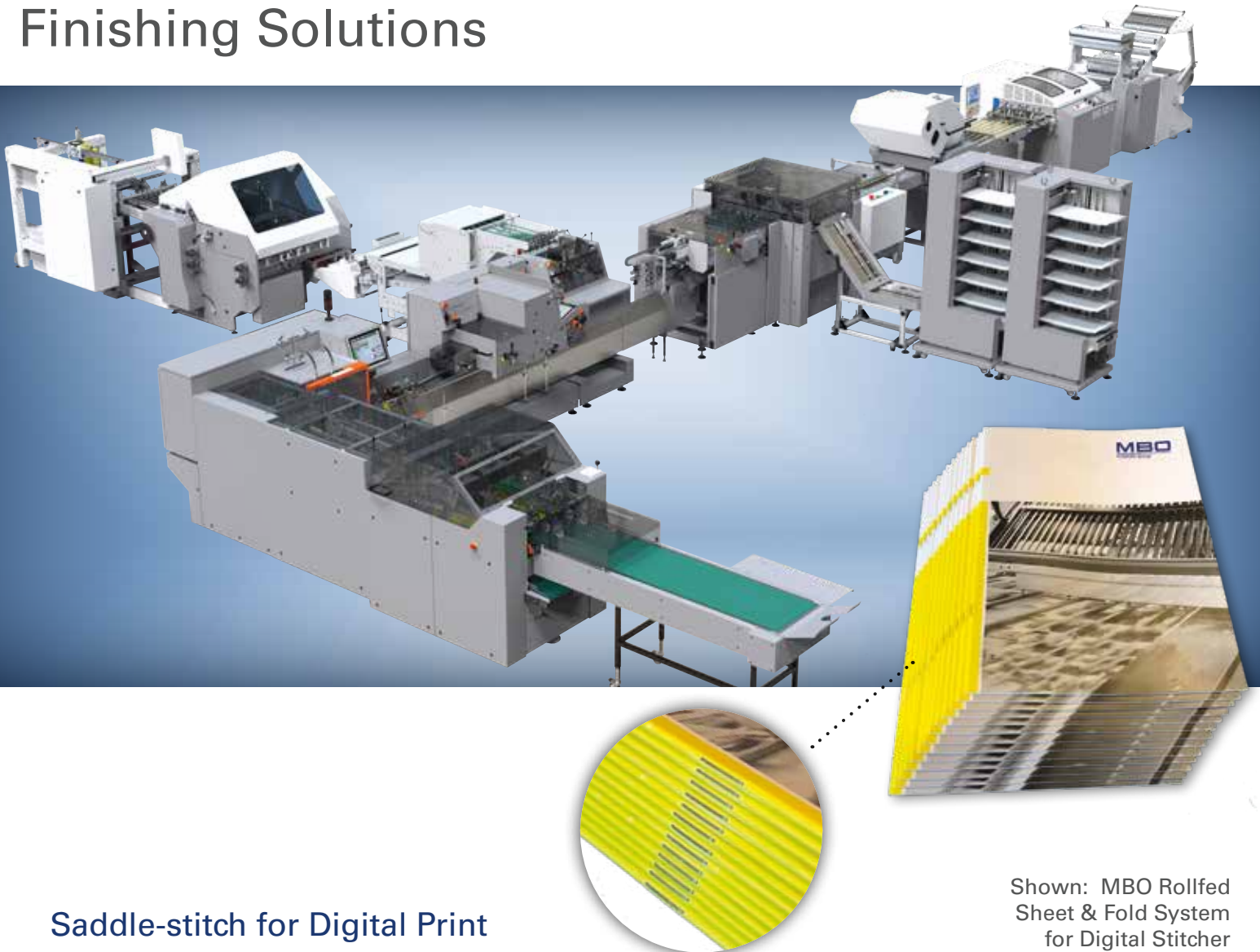
Shown with KL112.1 Mini Folder and PP300 Pressing Unit

Specifications

- Web Width Max:23" or 28"
- Tension Method.....Tight Web
- Max Web Speed.....500 fpm
- InterfaceNearline or I-line
- Configuration.....Modular
- Stock Range40gsm to Cover wts.
- Fold Lengths3/4" and up
- Buckle Fold Plates6 to 24
- Layout1 up to 4 up

Application, environment, operator skill and substrate conditions could affect published ratings.

Rollfed Saddle-Stitch Finishing Solutions



Shown: MBO Rollfed Sheet & Fold System for Digital Stitcher

Saddle-stitch for Digital Print

MBO has teamed up with multiple saddle-stitch vendors to offer the most robust saddle-stitching solutions in the commercial print market. Digital stitchers can be paired with MBO roll fed or cutsheet finishing systems to produce a variety of stitched products, directly from the roll or sheet. These systems allow for purely digital products, all conventional products and a hybrid product marrying the benefits of traditional offset and digital print, with self-covers or separate covers. With speed ratings up to 14,000 books per hour, selective folding to reduce blank pages, and dynamic perfining for page embellishment, there is no better or more productive solution available than having an MBO rollfed or cutsheet infeed on your digital stitching solution.

Specifications

- Web Width Max:23" or 30"
- Cutoff Length.....4" to 80"
- Booklet FormatsA4, A5, Tabloid, 8.5"x11", 5.5"x8.5"
- Max Web Speed.....610fpm
- InterfaceNearline
- Configuration.....Modular
- Fold Plates.....6
- Booklet BuildSignature Based
- Page JumpsSelectable, 4 Pages
- OutputSingle or Multiple
- EmbellishmentDynamic Perf
- Delivery SystemsShingle, Stack, Bundle

Application, environment, operator skill and substrate conditions could affect published ratings.

MBO Unwinders and Rewinders



Web Guide



Splice Table



Shaft Chuck

Roll Processing from MBO

MBO concentrates on the 23" inkjet market with its UW23 and RW23. Printing and finishing is all about tension: "Control the tension well and the final result will show well." Press and finishing uptime is directly related to the quality control of unwound and rewound rolls. MBO unwinders and rewinders are designed with an isolated festoon integral to the unit, large diameter rollers to reduce curl and easy operation and web up.

Whether unwinding rolls for tight web, high speed finishing, or unwinding and rewinding on an inkjet press, MBO's UW23 and RW23 close the loop on the process.

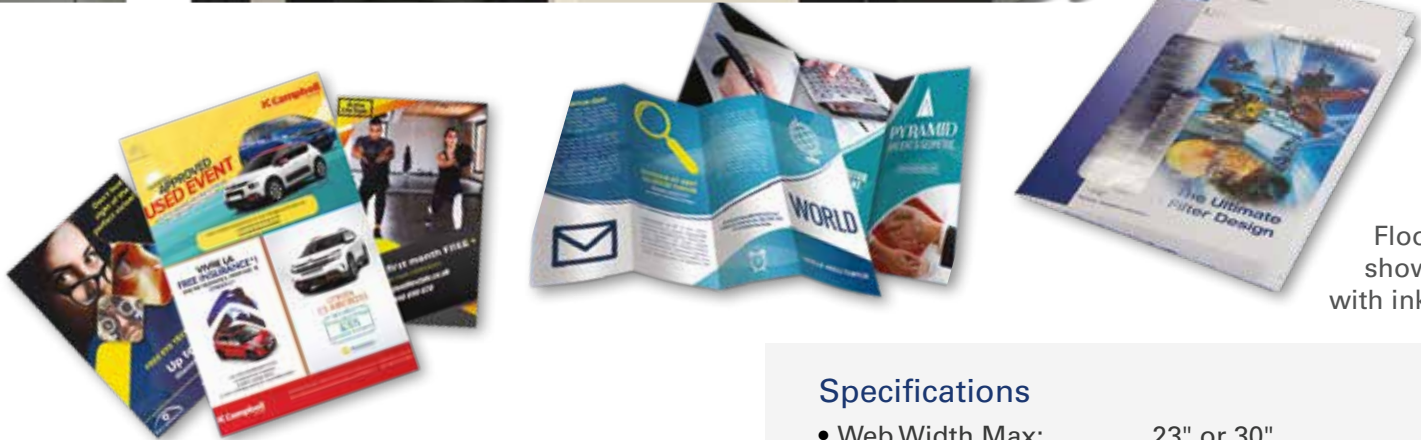
Specifications

- Web Width Max:23"
- Tension Method.....Tight Web, Core Driven
- Max Web Speed.....824fpm
- InterfaceNearline or In-line
- Configuration.....Modular
- Stock Range40gsm to 300gsm
- Roll Diameter Max.....52"
- Output2 - 4 Streams
- Make-ready FeaturesSplice Table, QR Roll Chuck
- SidelayAutomatic Web Guide

Application, environment, operator skill and substrate conditions could affect published ratings.

Embellishment Solutions

Flood Coating For Printed Webs



FC 23
Flood Coater
shown in-line
with inkjet press

Flood Coating the Web

Coating is an easy embellishment that adds value to the finished product, making them stand out from the rest. The FC 23 Coater can apply Aqueous or UV coatings using an easy to make-ready system that is completely self-contained. MBO America's long history in the commercial print space taught us that the majority of finishing lines for the direct mail and advertising markets included a coater to add value to the ad piece. Look to the FC 23 to add value to the personalized messaging provided by your Continuous-Feed Inkjet press.

Specifications

- Web Width Max:23" or 30"
- Coating TypeAqueous and UV
- Application methodAnilox Flood Coat
- Max Web Speed.....500fpm
- Drying TypeIR and UV
- Configuration.....Vertical Stand Alone
- InterfaceType 1 Self Contained
- LocationIn-line with Press or
In-line with Finishing
- ChangeoverCassette & Sleeve
- LaydownSingle Side or
Double Side

Application, environment, operator skill and substrate conditions could affect published ratings.

Embellishment Solutions Spot Coating For Printed Webs

SC23 CoATER



Quick Change Sleeves



Image Cylinder Sleeve and Plate

Spot Coating the Web

Adding a tactile or visual uniqueness to the finished product greatly improves the conversion rates for direct mail and advertising. The SC23 Spot Coater applies a registered UV coating to a select part of the image, matching the printed image and focusing the viewers curiosity. The anilox based system with flexible plates makes it easy to add additional value to any press or finishing line. Look to the SC23 to add value to the personalized messaging provided by your Continuous-Feed Inkjet press.

Specifications

- Web Width Max:23"
- Coating TypeUV
- Application methodAnilox Coat / Plate Cylinder
- Max Web Speed.....500 fpm
- Drying TypeUV
- Configuration.....Vertical Stand Alone
- InterfaceType 1 Self Contained
- LocationIn-line with Press or
In-line with Finishing
- ChangeoverCassette & Sleeve
- LaydownSingle Sided to Either Side

Application, environment, operator skill and substrate conditions could affect published ratings.

Embellishment Solutions Dynamic Perforation & Scoring



DPS60



Multiple Scores & Perfs

Multiple Anvil Durometers

Adding Value to Finishing

The experience of the recipient is enhanced when perf and score lines can be added to match the print. Add these features to any press system or finishing system with the smallest footprint in the industry. Dynamic or static perf and score patterns, both in-line and across a web, enhance marketing products. Engaging and interacting layouts with buck slips, business return slips, coupons, bang tails and T-perfs increase conversion rates.

The soft anvil scoring feature adds further value by reducing fold cracking, especially on digitally printed products. The scoring capability prepares the fold lines at full speed and enhances the final result without an offline touch or reduction in productivity.

The DPS 60 is capable of in-line operation with an Inkjet press or as a module in a roll fed finishing line.

Specifications

- Web Width Max:23" or 30"
- Blade Placement.....1" to 80"
- Anvil MaterialSoft
- Max Web Speed.....500fpm (subject to config.)
- InterfaceNearline or In-line
- Configuration.....Modular, Scalable
- Stock Range40gsm to 250gsm
- Pattern CapabilityStatic or Dynamic
- Registration.....Closed Loop/Mark
- ToolingPerf and Score
- Pattern Direction.....Cross and In-line
- Programming.....Local, Remote

Application, environment, operator skill and substrate conditions could affect published ratings.

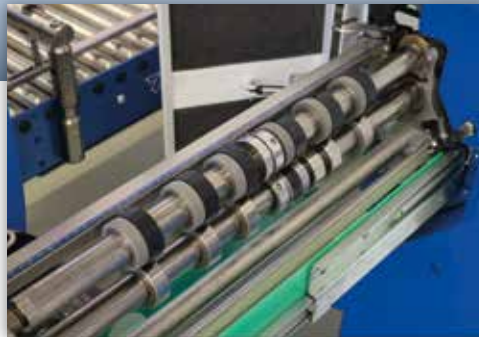
B2 Sheetfed Folding



T50 FOLDER



High-Speed Guide



Slitter Shaft Cassette



Vacustar Feeder Head

High Productivity

The T50 is MBO's high quality folder for the B2 sheet size. Featuring the same high productivity features found on MBO's B1 size machines, it is made for fast make-ready and high productivity, for any length run. MBO's quick change slitter shaft cassettes allow quick loading and adjustment of tooling; and even have pre-set tooling kits for repeat jobs. The M1 control system has a user friendly graphical interface, making training efforts easy. With manual or automated set-up, 230mpm production speed and a feature rich operating package, the T50 is the ideal folding machine for B2 sizes in today's print industry.

Specifications

		T50-F	T50-R
Pile height	max.	25 5/8"	-
Infeed width	min.	6"	6"
	max.	20 7/8"	20 7/8"
Infeed length	min.	6"	33 1/8"
	max.	33 1/8"	42 1/2"
Number of buckle plates		4 or 6	4 or 6
Speed	max.	230 m/min (755 fpm)	

Application, environment, operator skill and substrate conditions could affect published ratings.

B1 Sheetfed Folding



T800.1 FOLDER



Vivas Vacubelt and Vacutable



Maintenance/Noise-free Belt Drive



Continuous Feeder

Premium Buckle Folder

The T800.1 is MBO's premium buckle folding machine for full size B1 and smaller sheet sizes. With a blazing 230 meter/minute maximum speed and wide range of fold pattern capabilities, it is well suited to the North American commercial print market. Common 25"x38" sheets can be processed up to 13,755 sheets/hour, and smaller sheets even faster! Even with conservative estimates, this represents a substantial increase in production rates over nearly any earlier vintage folding machine. With MBO's latest M1 controls platform using a simple graphical interface, connectivity to Datamanager 4.0, Remote Access Service and automated functions, the T800.1 provides more uptime and maximum productivity.

Specifications

		T800.1-FP	T800.1-R
Pile height	max.	47 1/4"	-
	min.	9 3/4"	5 7/8"
Infeed width	max.	30 3/4"	30 3/4"
	min.	9 7/8"	7"
Infeed length	max.	47 1/4"	42 1/2"
	min.	9 7/8"	7"
Number of buckle plates		4 or 6	4 or 6
Speed	max.	230 m/min (755 fpm)	

Application, environment, operator skill and substrate conditions could affect published ratings.

B1 Sheetfed Folding



K80 / K8 / K8RS FOLDER



VacuJet Feeder Head



M1 Machine Controls

Premium Combi Folders

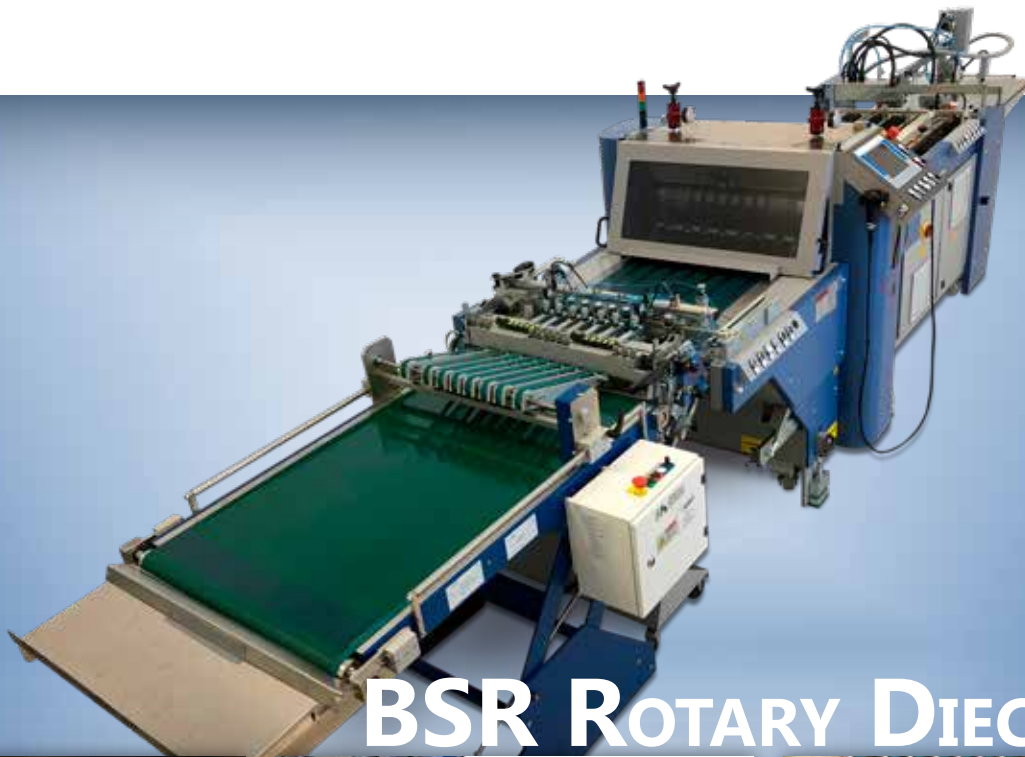
With production speeds up to 275 m/min (K8RS version), common 25" x 38" sheets can fold at speeds up to 16,655 sph (K80 & K8 version up to 13,755 sph), MBO's combi folder platform is well suited to the high-performance production of signatures, and other general commercial products. The K-Series, with a variety of models and configurations to fit any application, is packed with advanced features, yet incorporates reduced power consumption so important to preserving our environment. It focuses on the highest level of sheet control, fast make-ready, high productivity, extended uptime, low labor requirement and the best ROI possible. Even conservative estimates show new folders are able to replace earlier vintage folding machines at 2:1 ratios or more!

Specifications

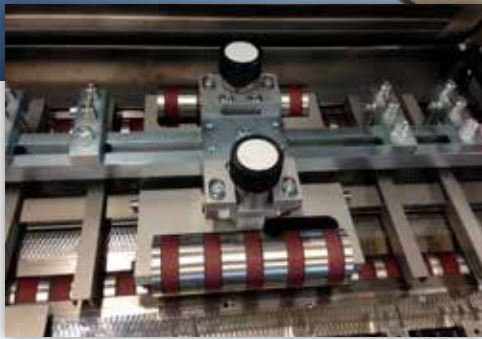
		K80-FP	K8-FP	K8RS-FP
Pile height	max.	47 1/4"	47 1/4"	51 1/4"
Infeed width	min.	6-11/16"	9 7/8"	9 7/8"
	max.	30 11/16"	30 3/4"	30 11/16"
Infeed length	min.	9 7/8"	9 7/8"	9 7/8"
	max.	47 1/4"	47 1/4"	47 1/4"
Number of buckle plates		4 or 6	4 or 6	4 or 6
Speed	max.	230 m/min (755 fpm)	230 m/min (755 fpm)	275 m/min (902 fpm)

Application, environment, operator skill and substrate conditions could affect published ratings.

Diecutting Solutions



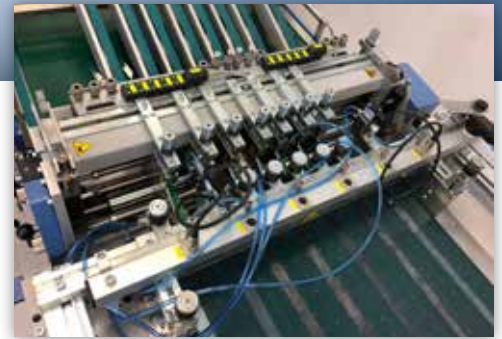
BSR ROTARY DIECUTTER



Lift-out Infeed



Mobile Pile Feeder



Integral Stripping

Precision Die-cutting

The Bograma BSR 550 is a modular, rotary die cutting system designed for B2 (20"x29") sheets. This versatile machine's main use is die-cutting, scoring and embossing for products in the packaging and commercial print space. Unlike flatbed die-cutters, the rotary process does not require nicks in the sheet allowing the waste to be stripped out automatically, producing a "nickless", high quality product – which eliminates the need for further stripping or blanking labor. Magnetic flexible dies can thru-cut, kiss cut, perforate, crease and emboss and are widely available. The modular nature of the machine allows for integration directly with other MBO finishing modules such as folders, gluers, web sheeters and onserters.

Specifications

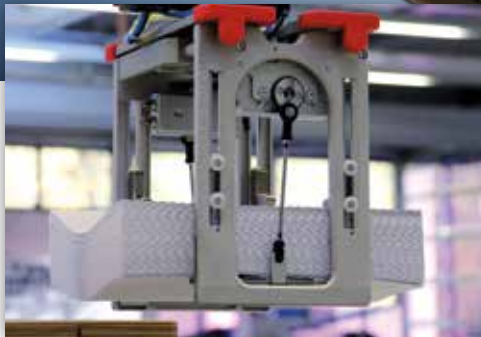
Speed	max.	Up To 12,000 sph, Based On Configuration
Feeder	Multiple Feeder Choices Pile, Pallet, Web	
Working width	max.	550 mm
Sheet size	min.	297x210 mm
	max.	550x750 mm
Product thickness	min.	approx. 80 g/m ²
	max.	approx. 0.5 mm
Stripping station		Stripping elements with integrated rollers

Application, environment, operator skill and substrate conditions could affect published ratings.

Automation Solutions



CoBo-STACK



Multiple Gripper Sizes



55" Stacking Height



Two Pallet Spaces

Automated Stacking

The MBO CoBo-Stack is a completely automatic collaborative robot that automatically transports stacks of folded signatures, books and other applications to a proper pattern on a pallet, reducing the physical demands of the operator. The CoBo-Stack is autonomous, needs no breaks, and is fast to reposition and makeready. There is no need for the operator to remain directly at the production machine, giving him or her time to carry out administrative tasks making it possible to have 1 operator running 2 machines in a true manufacturing cell. The CoBo-Stack truly fits the new print industry, demanding high productivity with minimal labor and set up time.

Specifications

Stack height	min.	2 1/4"
	max.	up to 6"
Stack weight	max.	up to 8 kg
Stacks per hour	max.	up to 300
Pallet height	max.	up to 55"
Gripper Sizes	mod.	4 sizes available

Application, environment, operator skill and substrate conditions could affect published ratings.

Automation Solutions Datamanager 4.0



MBO's Datamanager 4.0, is the visualization tool allowing printers to analyze and optimize the finishing process, improving quality and productivity. Its large job memory means that every order can be reproduced and edited at the touch of a button. Thanks to the integrated remote maintenance module RAS, spare parts can be ordered directly and machine errors can be resolved quickly.



Features:

- Job control planning for your postpress department
- Record customer specific and job specific data
- Transfer job data from MIS to your MBO folding machines via JDF interface
- Generate statistics such as print run length, production time, and down time
- Online support via RAS remote access service



Features:

- Assures the right work is being processed using camera inspection
- Controls job changeover resulting in less down time and higher productivity
- Eliminates manual feeder touches and monitoring

Folder Autopilot

MBO Autopilot is valuable for short to medium print runs when there is more than one signature on a pallet. A feeder mounted camera, integrated to the M1 Controls and Datamanager 4.0, gives the machine total control over multiple print jobs on the same skid. When end of job data codes are detected, the machine automatically cycles properly to the next job and communicates as needed with the A80 stacker and CoBo-Stack, eliminating time-consuming manual changes, and greatly increasing uptime and productivity.

Automated Fold Quality Verification

The VT50 add-on module, closes the loop on fold quality control. Placed after the final fold, the VT50 cameras measure the folded sheets and analyze acceptable tolerances. Incorrectly folded sheets are ejected from stream ensuring only perfectly folded sheets are transferred to the delivery. The operator is freed up further to operate other machines or do other tasks.

Features:

- Quality control for a closed process
- Consistent quality tolerances throughout the run
- Eliminates operator touches to check fold accuracy



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Choose your existing MBO equipment and manage the parts you need all in one place.

Parts Catalog

Browse thousands of MBO parts by category, or search by part number or description.

Sale Items

Easily find the best deals being offered by MBO America.

Services



Installation

You can trust our MBO Certified Techs to have your machine installed quickly and running smoothly. We provide a complete package starting from unpacking the shipping containers to commissioning the equipment to run.

Relocation

Our Service Team can advise you on the logistics and on the necessary requirements for the new locations.

Maintenance

Whether you need a part replaced or your machine is completely down, our Service Team is here to help.

Training

MBO Training courses are designed to increase your operator's understanding of paper behavior, folding principles, issue troubleshooting and problem resolution.

About Us

MBO America was established in 1984 bringing MBO (Maschinenbau Binder Oppenweiler of Germany) folding equipment to the growing US market. Unmatched innovation and dedication to the highest standards of quality made MBO folding equipment an instant success from coast to coast. Now under the umbrella of its parent Komori Corporation, the MBO Group, including Herzog+Heymann, continues to be the leader in post press finishing for the North American Market. MBO America is strategically located in Marlton, NJ, just outside of Philadelphia, and offers a broad array of cutting edge, high-performance finishing solutions for offset, cutsheet and roll-fed digital, hybrid, and pharmaceutical production segments. To be more effective in the North American market, MBO America has taken on the model of a systems integrator, seeking to provide one step production systems for commercial folding, diecutting, roll-fed web finishing and specialty product systems in the direct mail and pharmaceutical markets. From intricate folds and die-cuts to niche packaging with special standards, MBO gives printers an edge over the competition with next-generation achievements.

MBO, H+H and MBO America are internationally known for superior customer and technical support, as well as top-notch consultation services. Our history of pioneering new technology provides the platform for us to serve our customers from concept, through sale and implementation. Year after year, MBO America brings new products and technology to the market that work through industry challenges. Through greater automation, faster make-ready, idle-time and downtime reduction, and overall increased productivity, MBO America ultimately increases profits for its customers.

No matter the solution, we are constantly raising the bar with every configuration in our portfolio. Our modular approach means that each of our finishing systems can be customized to fit your product needs. MBO means modularity, efficiency, productivity and flexibility.

Our Company



Our Partners





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