Innovative Finishing
MBO Solutions Catalog

MBO
KOMORI Group

ROLLFED LETTERFOLD PRODUCTION

MBO
KOMORI Group

UP TO 824 FPM!

Available as an in-line
or near-line solution

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, newsletter or loose-leaf layout. With a maximum web speed of 824fpm, 4" to 80" cutoff capability, and low labor requirement, there is no better way to finish your mail piece directly from the roll.

MBO's modular approach 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.
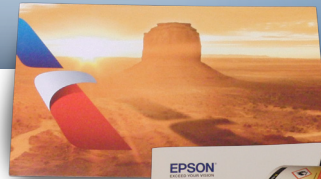
Specifications

Web Width Max:	23" or 30"
Cutoff Length	4" to 80"
Max Web Speed	824fpm
Interface	Nearline or In-line
Configuration	Modular
Sheet Trim	Chip-Out, Side Trim
Fold Plates	6/4
Output	2 - 4 Streams
Embellishment	Dynamic Perf, AQ - UV Coating
Delivery Systems	Shingle, Stack, Bundle

ROLLFED SELF-MAILER FINISHING

MBO
KOMORI Group

Self-mailers for printing

Self mail marketing pieces get noticed by the target audience at a higher rate with messaging in multiple locations, embellishments and stock types that catch the consumer's eye. MBO steps up their roll finishing portfolio with modules that cut, fold, tip-on and glue, using stock up to 12pt, all in one step. It's all about one step finishing. Gone are the days of putting product through three separate steps taking many days to complete..... even with complicated pieces.
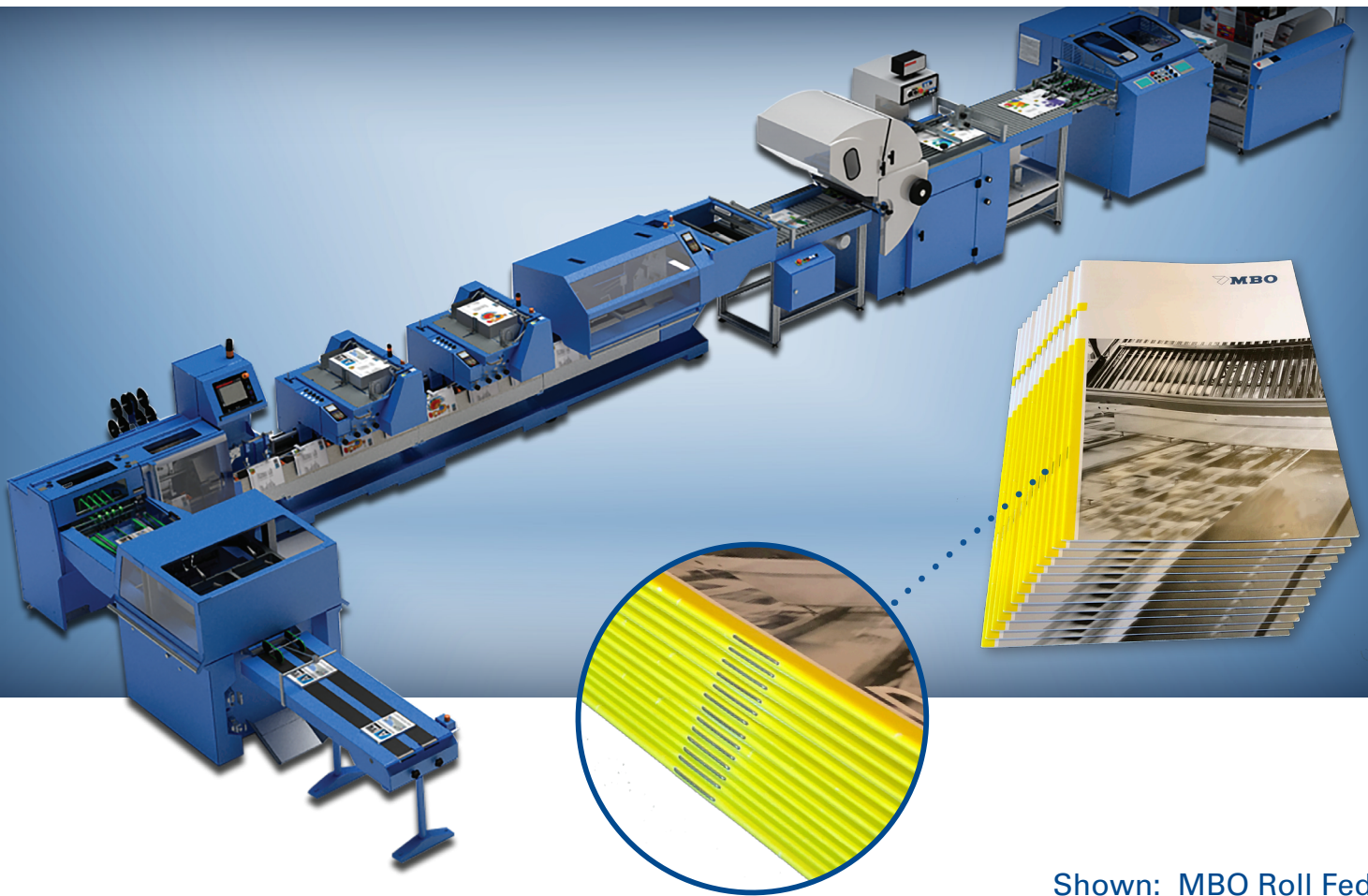
MBO's modular design value shines in this segment giving new capabilities with simple rearrangement of the modules. Addition of new plug and play modules, allow expansion without the need for high investment. What a great way to preserve your initial investment and still grow with the needs of your customers.

Recommended for near-line solutions

Specifications

Web Width Max:	23" or 30"
Cutoff Length	4" to 80"
Max Web Speed	500fpm
Interface	Nearline Recommended
Configuration	Modular
Sheet Trim	Chip-Out, Side Trim
Fold Method	Plow Vacuum Table
Output	1 - 2 Streams
Embellishment	Dynamic Perf AQ - UV Coating
Delivery Systems	Shingle Recommended

ROLLFED SADDLE-STITCH FINISHING SYSTEMS

Shown: MBO Roll Fed Sheet & Fold System for Muller Martini Presto II Digital Stitcher
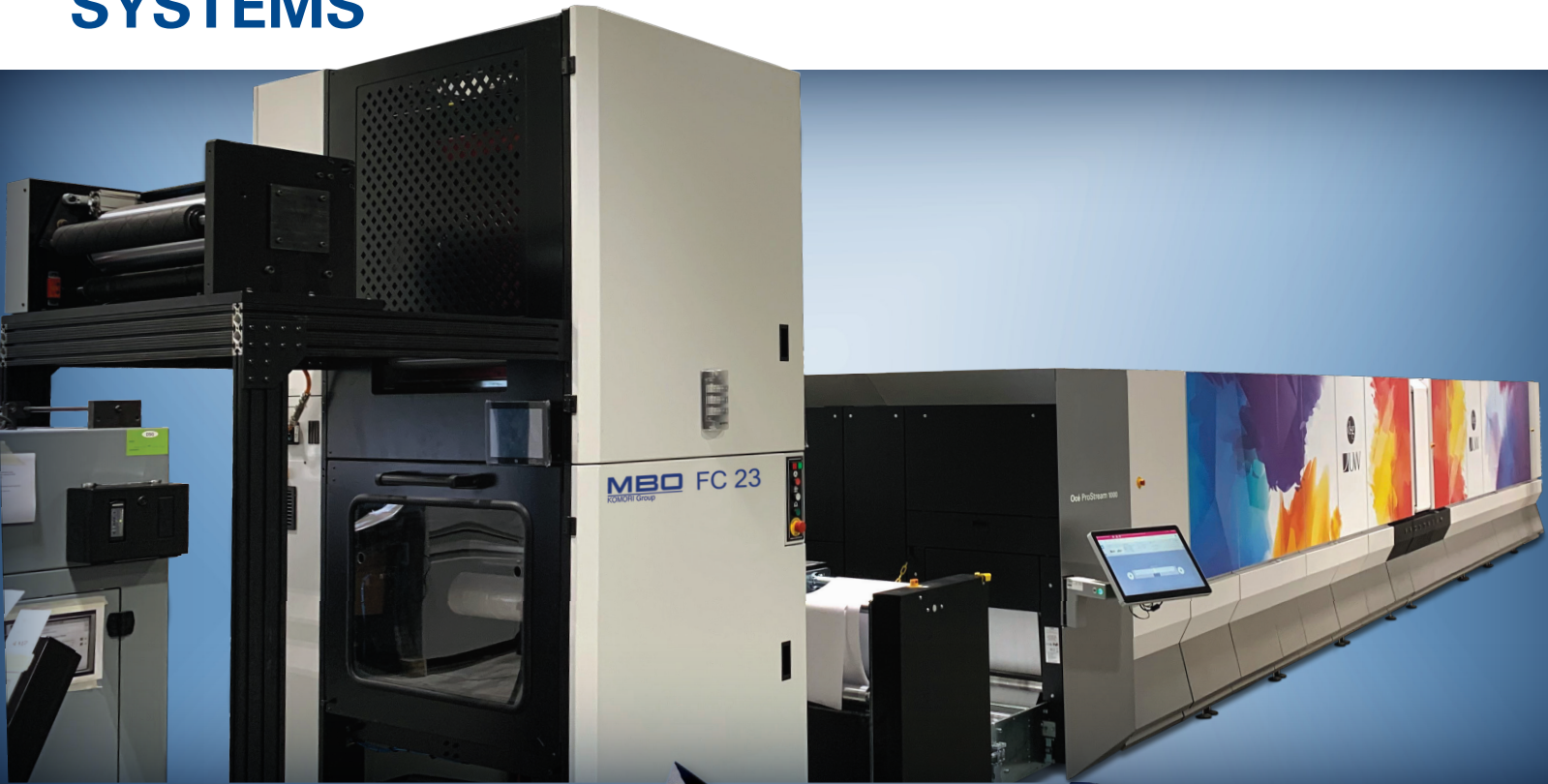
Saddle-stitch for digital print

MBO has teamed up with Muller Martini to offer the most robust saddle stitching solution in the commercial print market. Muller Martini's line of digital stitchers can be paired with MBO roll fed finishing systems to produce a variety of stitched products, directly from the roll. These systems allow for purely digital products, purely conventional products and a combination product marrying the benefits of traditional offset and digital print. Self-cover or separate covers are available. With speed ratings up to 14,000 books per hour, selective folding to reduce blank pages, and dynamic perfing for page embellishment, there is no better or more productive solution available. As digital printing continues to penetrate deeper into the commercial print market, MBO/Muller-Martini integrated systems are more valuable than ever.

Specifications

Web Width Max:	23" or 30"
Cutoff Length	4" to 80"
Booklet Formats	A4, A5, Tabloid
Max Web Speed	610fpm
Interface	Nearline
Configuration	Modular
Fold Plates	6
Booklet Build	Signature Based
Page Jumps	Selectable, 4 Pages
Output	Single or Multiple
Embellishment	Dynamic Perf
Delivery Systems	Shingle, Stack, Bundle

FLOOD COATING FOR ROLLFED WEB SYSTEMS

MBO
KOMORI Group

FC23
Flood Coater
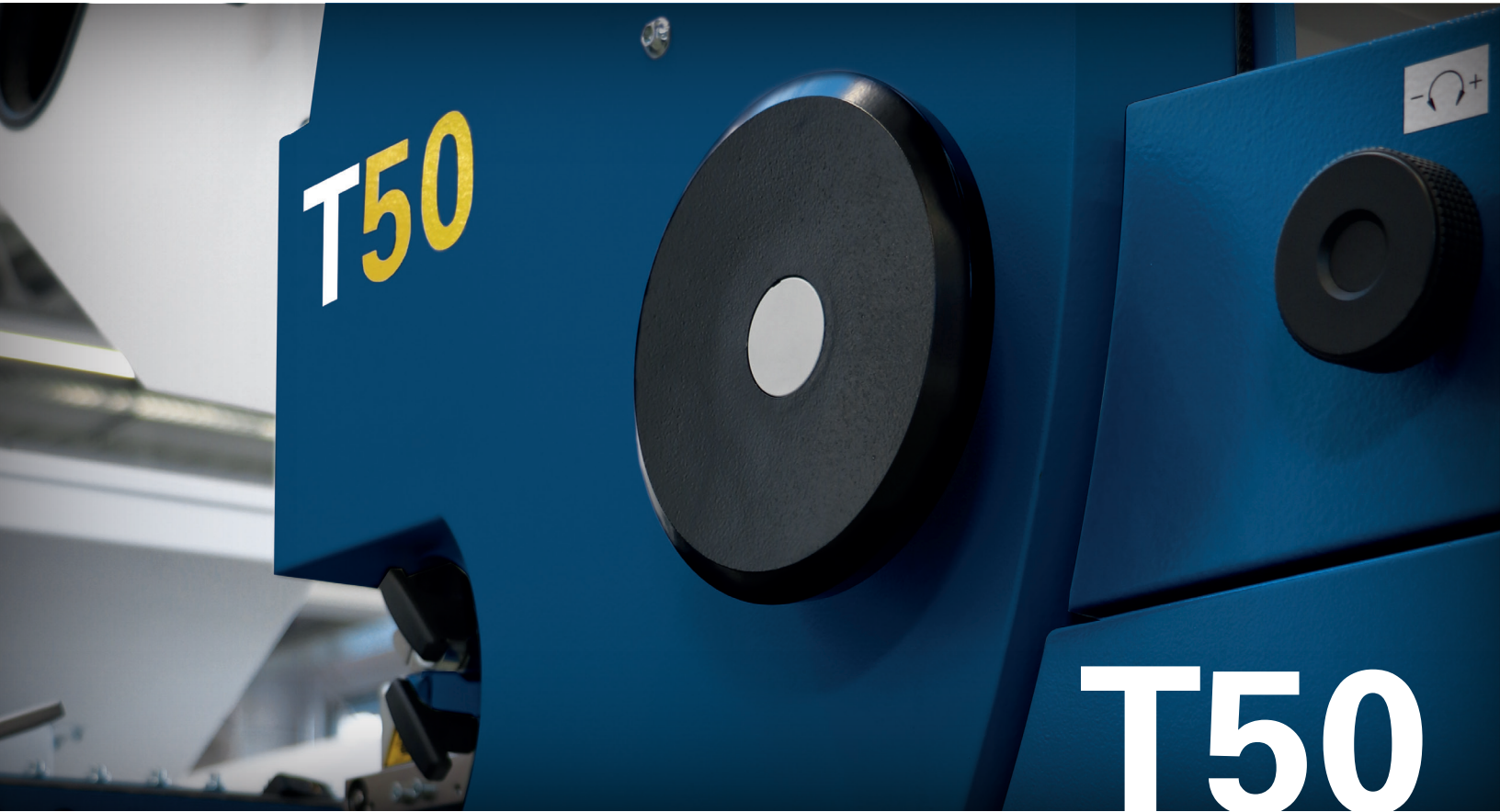shown in-line
with inkjet press

Coating the web

Coatings add value to the finished product and make them stand out from the rest. FC 23 Coater can apply both aqueous based and UV based 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 traditional finishing lines for the direct mail and advertising markets included a coater to add value to the web. Inkjet webs are following the same path with even more capability for personalization and marketing value. Look to MBO for coating application to your roll-fed inkjet web press.

Specifications

Web Width Max:	23" or 30"
Coating Type	Aqueous and UV
Application method	Anilox Flood Coat
Max Web Speed	824fpm
Drying Type	IR and UV
Configuration	Vertical Stand Alone
Interface	Type 1 Self Contained
Location	In-line with Press or In-line with Finishing
Changeover	Cassette & Sleeve
Laydown	Single Side or Double Side

Features:

- Short make-readies due to an integrated automation package
- Fast tooling setups using MBO's slitter shaft cassette technology
- Easy adjustments through MBO's M1 controls platform, enhances operator capability for higher productivity
- Small footprint even with many feeder, fold plate, and delivery choices
- Reliability and elevated machine uptime thanks to long service life and durability
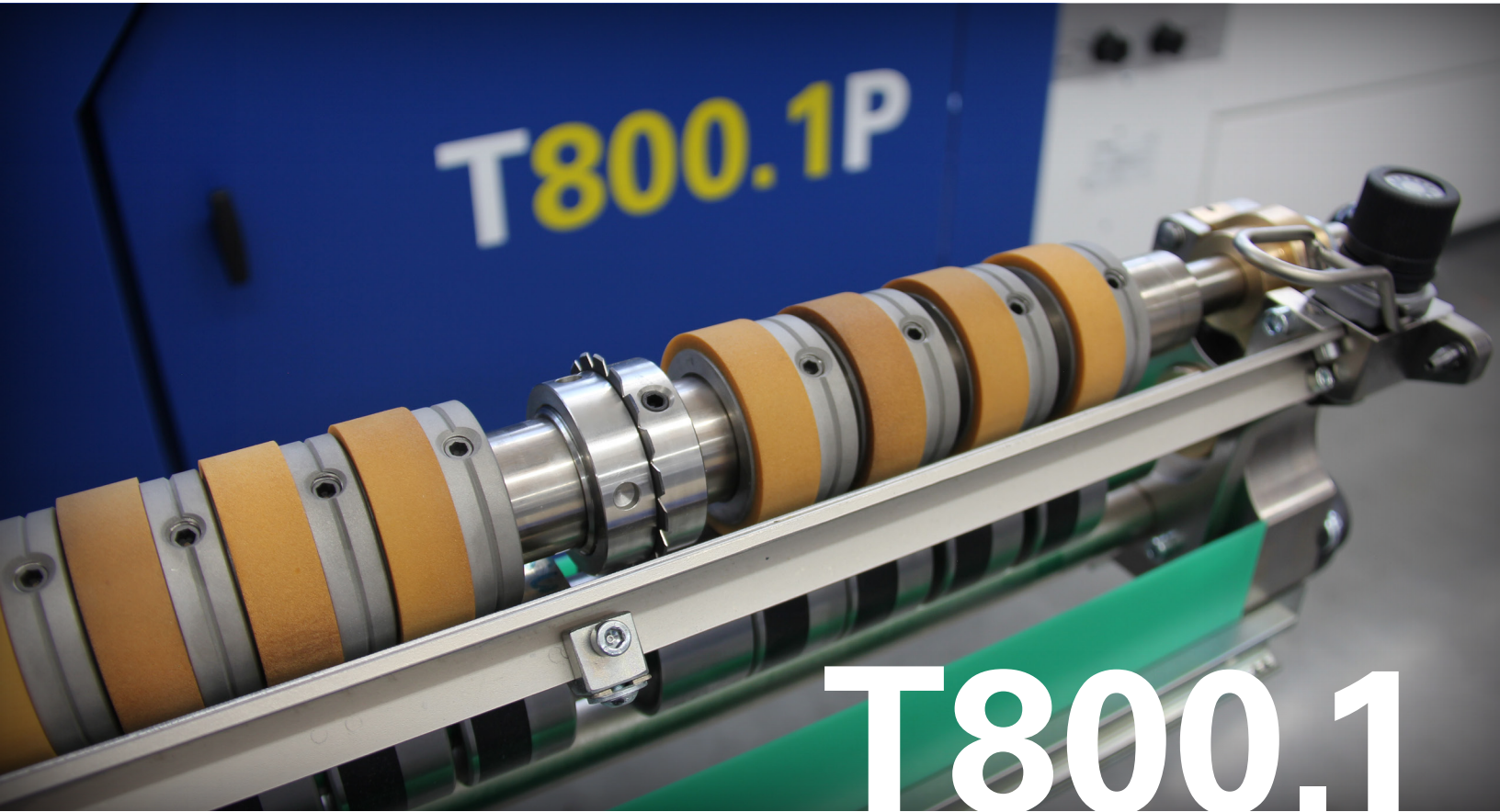- 230 m/m (9055 ipm) running speed for the highest in sheet folding productivity

The T50 is MBO's high quality folder for the B2 sheet size. Featuring high productivity elements from MBO's B1 size machines, it is made for fast make-ready and high productivity, for any length run. It is available as an economical manual function machine, or as an automated machine for the fastest makeready. MBO's quick change slitter shaft cassettes allow quick loading and quick 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. At 230mpm production speed and a feature rich operating package, the T 50 is the ideal folding machine for B2 sizes in today's print industry.

MBO
KOMORI Group

Features:

- High production rates that can replace older vintage folders at 2:1 or more
- Easy to learn M1 controls platform ensures a great labor pool for the future
- Configuration flexibility allowing perfect fit for nearly any application
- Robust design for low maintenance costs and high machine uptime
- Exclusive slitter shaft cassette in units 1 and 2 for fast tooling changes and fast make-ready
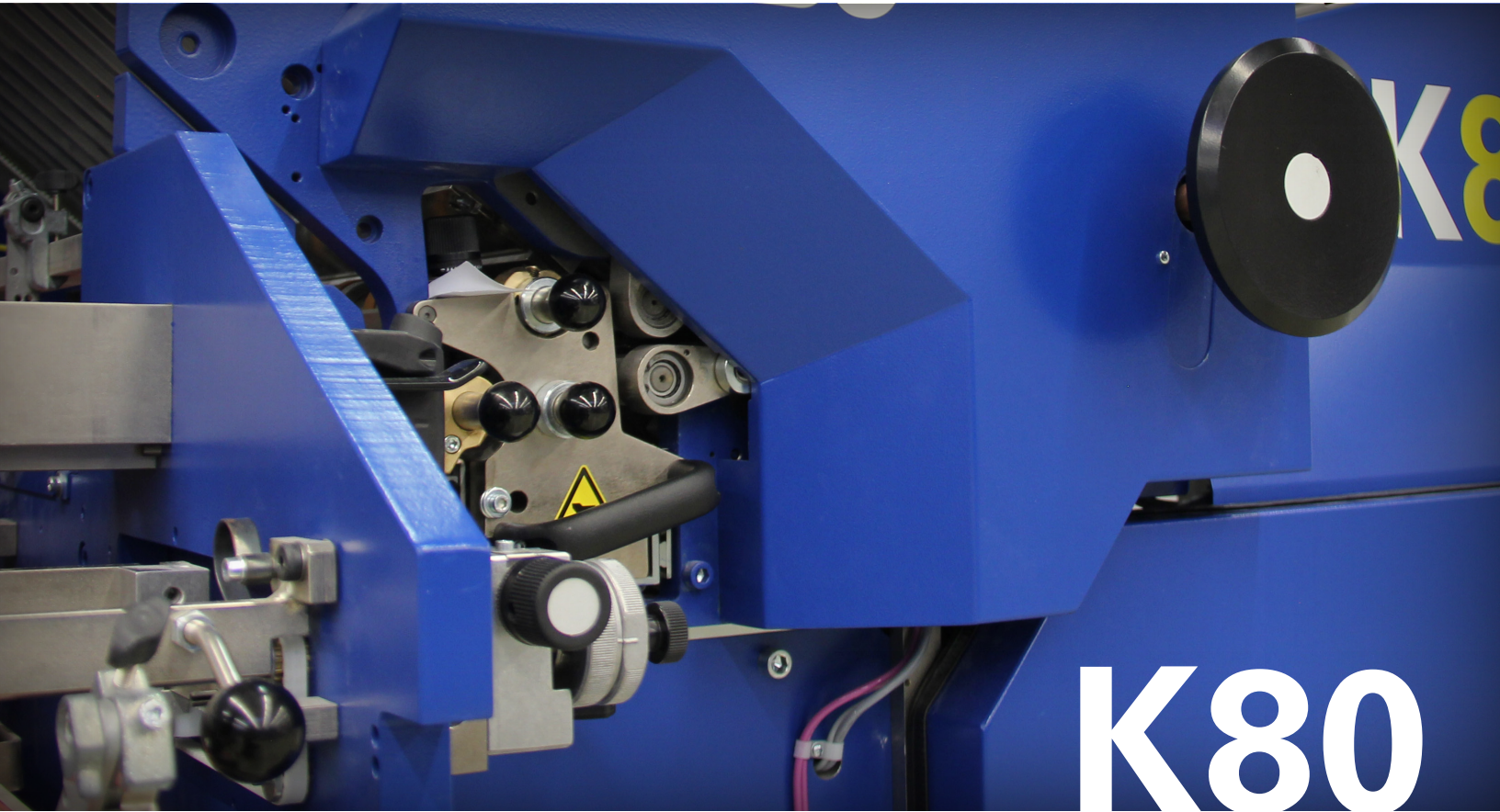- Exclusive low maintenance and noise-free belt drive

T800.1

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" x 38" 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.

Features:

- Palletized feeder or continuous feeder for best fit to print environment and labor reduction plans
- 4 or 6 NIRO style non-corroding buckle plates in the parallel fold unit, first fold
- SKTL or SKTL knife fold configurations for customized performance
- Manual or automated control system
- Enhanced 230 m/m (9,055 ipm) folder running speed
- Eliminates moving modules during make-ready for shorter set up times

K80

The K80 is MBO's most economical combi folding machine for full size B1 and smaller sheet sizes. With a blazing maximum machine speed, and wide range of fold pattern capabilities, it is well suited to the North American commercial print market and is ideal for high-precision, high-performance production of signatures, flyers and other general commercial products. Bolstering a 230 meter/minute (9,055 inches/minute) running speed, a common 25" x 38" sheet 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 K80 provides more uptime and maximum productivity.

Features:

- The worlds fastest folder with 275 m/m (10,826 ipm) surface speed
- Maximum configuration options for a combi folder
- "Z" configuration option in the last crossfold to make standard USA U-U-D signature folds
- Only available with pallet style feeding to permit the operator to keep up with the machine speed
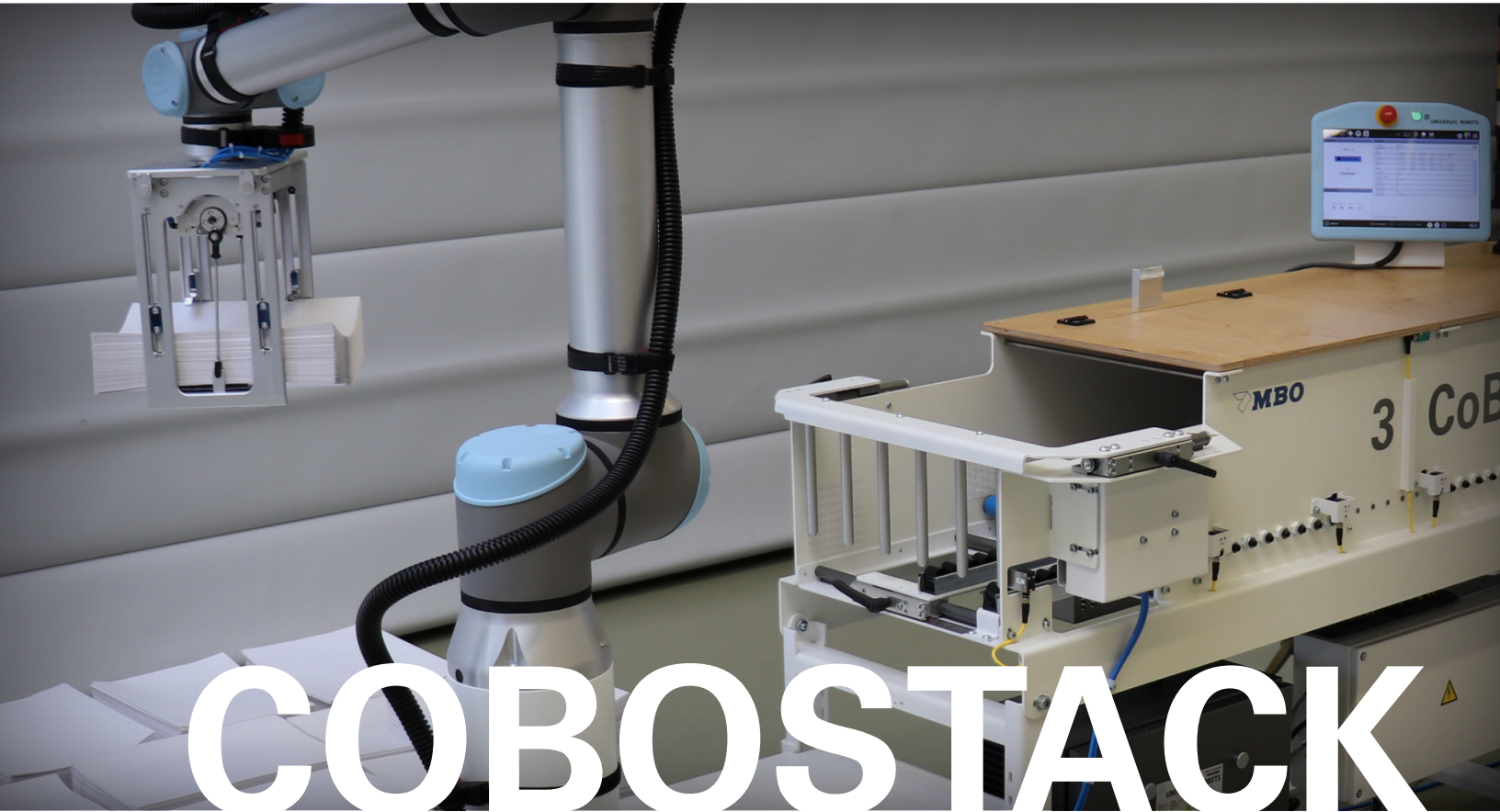- MBO's advanced M1 control system and graphic HMI for ease of use

K8RS

The K8RS combi-folder from MBO, with production speeds up to 275 m/min, is the world's fastest folding machine; a common 25" x 38" USA sheet would fold up to 16,655 sph! This represents a 20 percent increase in production output over our standard series of folders. The K8 RS is packed with advanced features including an upgraded drive system, Vaculift infeed feeder system, and intelligent sheet control monitoring. Like all K8 series machines, the K8 RS is feature rich with enhancements to help the machine run fast and stay running longer throughout the day. Configurations including 4 and 6 plate parallel sections, and S-KTL and S-KTZ cross-fold sections, allow the K8 RS to match nearly any requirement. To achieve its high ROI, the machine tackles all 4 channels of production operation: 1. Fast Make-ready, 2. High Speed, 3. High Uptime, 4. Low Labor requirement.

MBO
KOMORI Group

Features:

- Cobot design for safety so no protective cage is needed
- Eliminates labor on the back end of the folder
- Short make-ready using a simple menu from a hand held tablet device
- Mobile design that can be used on any brand folding machine
- Works in conjunction with Palamides alpha series stacking deliveries
- RAS Remote Access Router included

COBOSTACK

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.

DATAMANAGER

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

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.

Features:

- No mixing of signatures therefore higher process reliability
- Faster signature change / less down time therefore higher net performance
- Less work for operators since they do not have to constantly check the feeder therefore higher net performance

VT50

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:

- Definition of quality tolerances by the operator
- Very high process reliability
- Reduction of operator workload
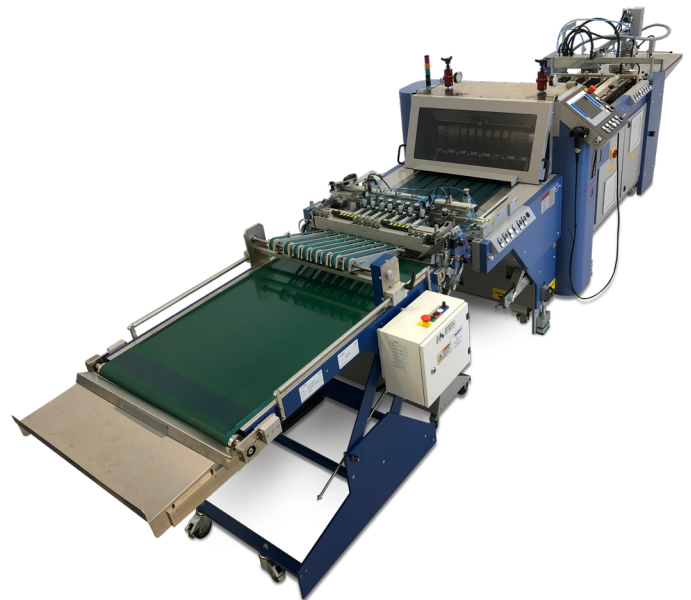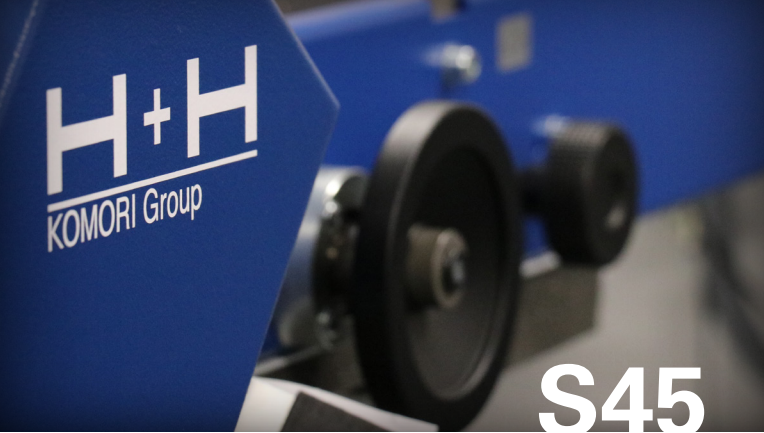- Objective quality control through technology

Features:

- Pile style sheet feeder, great for short or long runs
- Die-cutting cylinder system with two magnetic cylinders for the easy mounting of flexible dies and counter plates
- Synchronized die cylinders for perfect register of any die, including male and female matched sets
- Magnetic die cylinders with bearer to bearer design for no-shim make-ready
- The die change is fast thanks to the pre-installed cylinder register pins and matching die register holes
- Die tooling can be re-used many times in short run environments
- Waste removal section with stripper shoes for matrix removal

BSR 550

The BSR Servo is a modular, rotary die cutting system designed for B2 (20"×29") sheets. This versatile machine is suited to many products including thin or thick sheets. Its main use is diecutting, scoring and embossing for products in the packaging and commercial print space. Unlike flatbed diecutters, 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.

S45

The S45 from H+H is perfect for PI work and small inserts in the packaging, pharma, cosmetics and electronics markets. The value proposition of this folder is that it is a versatile, scalable folder with common configuration, short lead time and low capital investment!
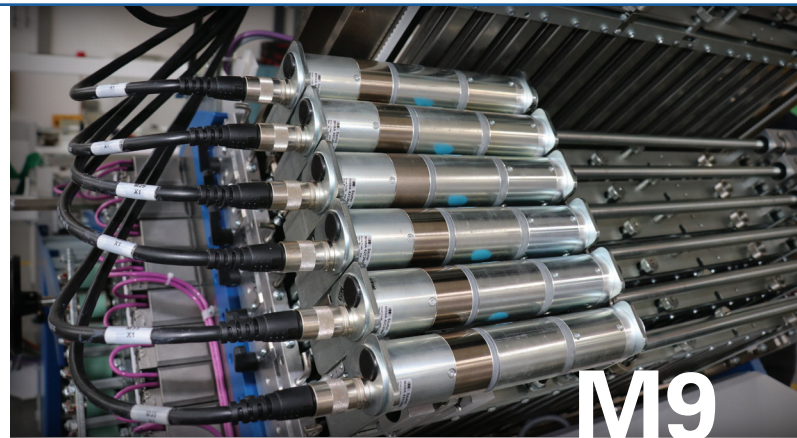
Features:

- Sheet size max pile fed: 450 mm x 840 mm
- Sheet size max continuous: 450 mm x 1000 mm
- Stocked configuration:
  - Pile or continuous feeder
  - 8 /4 folding sections
  - TT45 adjustable transfer
  - 177.1 delivery

Features:

- Machine control M1 Advanced with touchscreen
- Saving of repeating jobs
- Extra long register table with additional belt guide on the right for perfect sheet alignment
- 10, 12, 16, 20 or 24 buckle plates

M9

The M9 is designed for the production of inserts for various fields, such as the pharmaceutical, cosmetics, food or agricultural industries. The buckle plate and fold roller settings can be automated, resulting in a considerable reduction in set-up times.

SMARTPACK

The Herzog+Heymann SmartPACK 100 Automated Tray Packing Delivery revolutionizes and enhances the production capabilities of insert and outsert production systems. is designed to be used with all systems from any manufacturer.

Features:

- Reduction of operator tasks, allowing more time for production and administrative activities
- Higher productivity and lower manufacturing costs
- Increase in product quality by integrated quality system

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

MBO
KOMORI Group

H+H
KOMORI Group

KOMORI

OUR PARTNERS

BOGRAMA
BOCHSLER GRAFISCHE MASCHINEN

MÜLLER MARTINI

hp

Canon
CANON SOLUTIONS AMERICA

hhs
Baumer Group

PUHL

CAPITAL ADHESIVES
Building Bonds that Last

BDT
PRINT MEDIA

AirTrim
PNEUMATIC CONVEYING SYSTEMS

palamides

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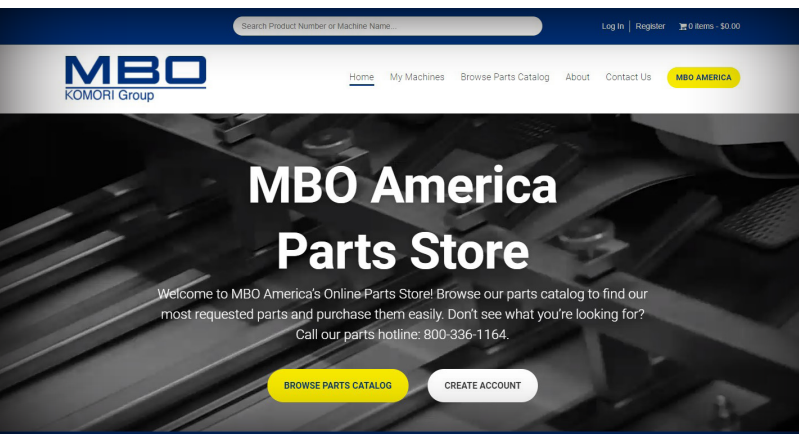
Maintenance
Whether you need a part replaced or your machine is completely down, our Service Team is here to help.

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

Contact MBO Service: 800.626.8810 | service@mboamerica.com

PARTS STORE

MBO America Parts Store

Welcome to MBO America's Online Parts Store! Browse our parts catalog to find our most requested parts and purchase them easily. Don't see what you're looking for? Call our parts hotline: 800-336-1164.

BROWSE PARTS CATALOG   CREATE ACCOUNT

My Machines
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.

shop.mboamerica.com | 800.336.1164 | partsorders@mboamerica.com

MBO
KOMORI Group

mboamerica.com

609.267.2900

contact@mboamerica.com