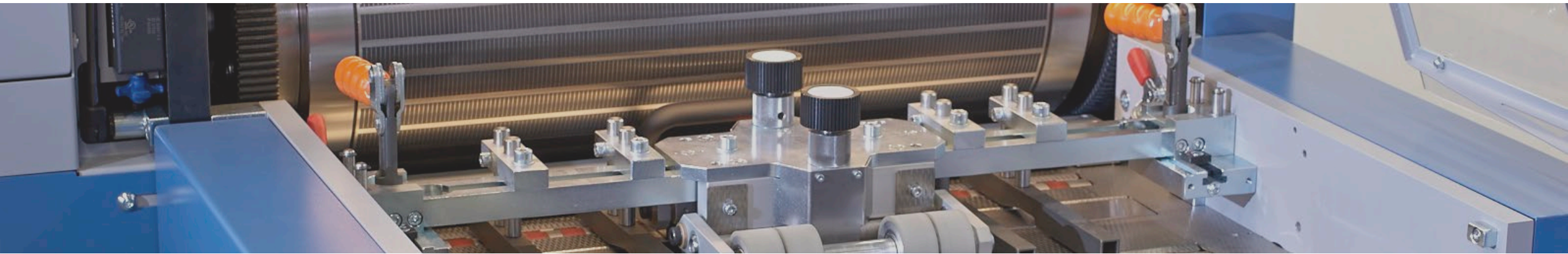


MBO America Member of the Komori Group

KOMORI



- Rotary Diecutting Solutions
 - Bograma BSR

Company Overview-Core Offering



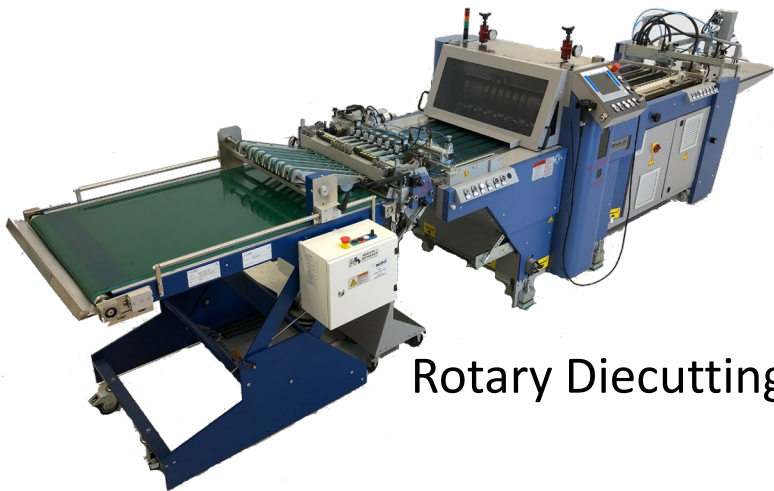
Sheetfed Folding/Finishing



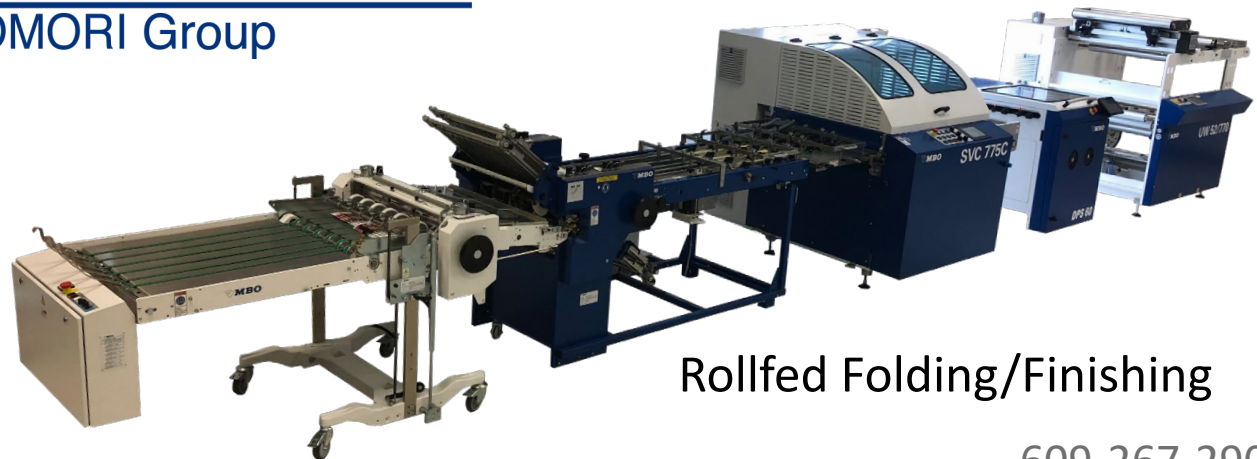
Offset Presses



Digital Presses



Rotary Diecutting



Rollfed Folding/Finishing

MBO America Bograma BSR Rotary Die-Cutter



BSR FAMILY OF ROTARY DIECUTTERS



	BSR 550 Basic	BSR 550 Servo	BSR 620 Servo
Market Sheet Size	B2, 20" x 29"	B2, 20" x 29"	B2+, 23" x 29"
Production Rate	Up To 8000 Sh/Hr	Up To 12000 Sh/Hr	Up To 8000 Sh/Hr
Offset Sheet Applications	Common Half Sheet	Common Half Sheet	Oversize Half Sheet
Cutting Capability	1 & 2 Sided, Kiss Cut	1 & 2 Sided, Kiss Cut	1 & 2 Sided, Kiss Cut
Embellishments	Emboss, DeBoss, Braille, Perf, Score, Cut-Score	Emboss, DeBoss, Braille, Perf, Score, Cut-Score	Emboss, DeBoss, Braille, Perf, Score, Cut-Score
Die Cylinder Circumference	32"	32"	32"
Die Cylinder Clearance	1.2mm	1.2mm	1.2mm
Sheet Size Min	11.5" x 8.5"	11.5" x 8.5"	11.5" x 8.5"
Sheet Size Max	21.5" x 29.5"	21.5" x 29.5"	23.5" x 29.5"
Die Cut Area Min	2" x 2.5"	2" x 2.5"	2" x 2.5"
Die Cut Area Max	21" x 29"	21" x 29"	23" x 29"
Product Thickness Min	80 gsm	80 gsm	80 gsm
Product Thickness Max	19 pt	19 pt	19 pt
Production Speed Max	8000 Cycles/Hr	12000 Cycles/Hr	8000 Cycles/Hr
Inline Capable	No	Yes	Yes

Rotary Diecutting Systems

Features:

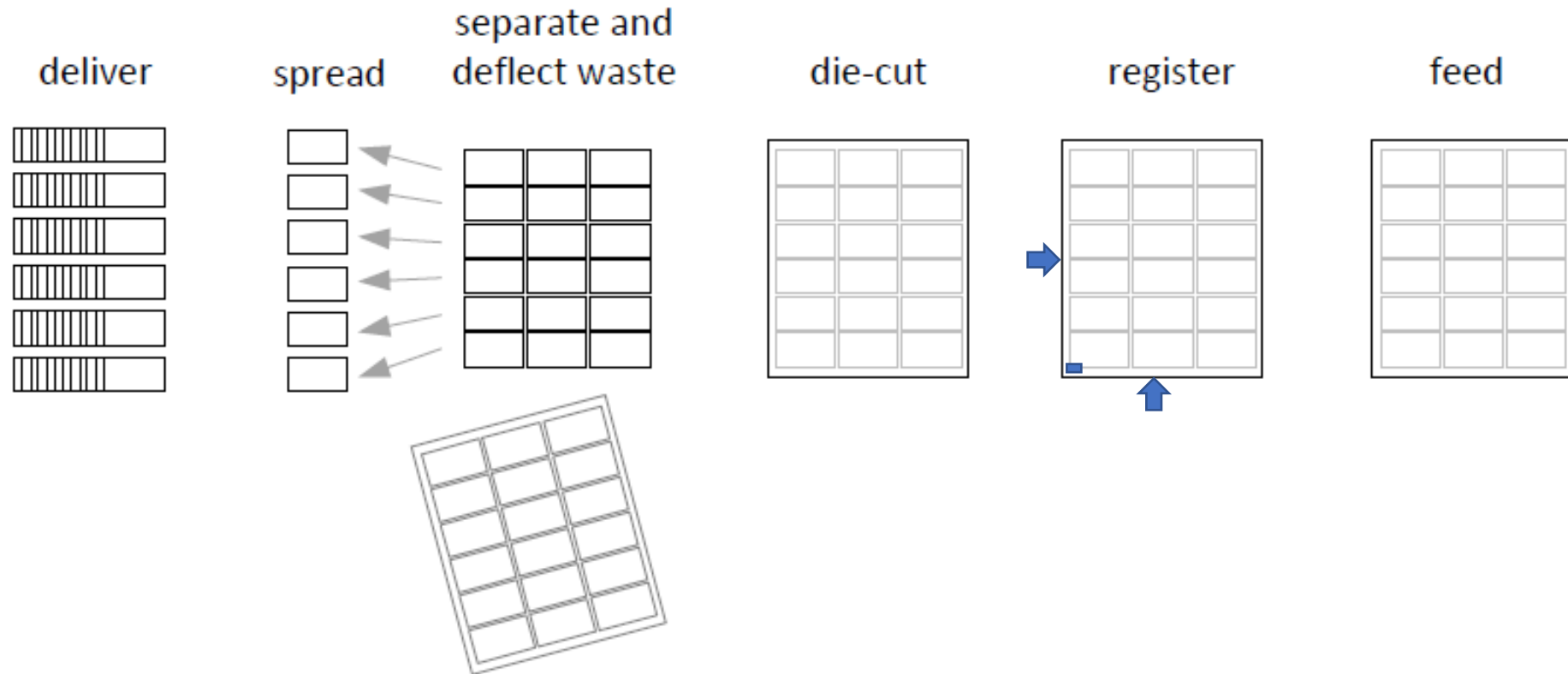
- Pile or pallet feeder - great for all run lengths
- World class print to cut registration
- Fast makeready - for digital print, short run & medium run workflows
- Magnetic cylinders with bearers for fast, no-shim makeready
- Male / Female die capability – for true scores & embossing
- Register pins on die and anvil cylinder - repeat job makeready speed
- Removal of matrix and internal holes inline - eliminate offline scrap removal
- No nicks in final product - best shelf/POP presentation!
- Scalable: Capable of integrating inline with other finishing solutions and delivery units, ie. folders, folder-gluer, label, on-serter, belt delivery, card stacker, etc.

Uses:

- Packaging / Folding Carton / Inserts / Tags / Labels / General Heavy Stock / Scoring / Perfining / Embossing / Embellishment / Direct Mail / Pocket Folders / Greeting Cards



The internal process:





Upper and lower magnetic cylinder, undercut & bearers



Drive gear & bearer rider



Hydraulic pressure pack



Register Pins

Die-cutting Technology



Flexible counter die with creasing matrix



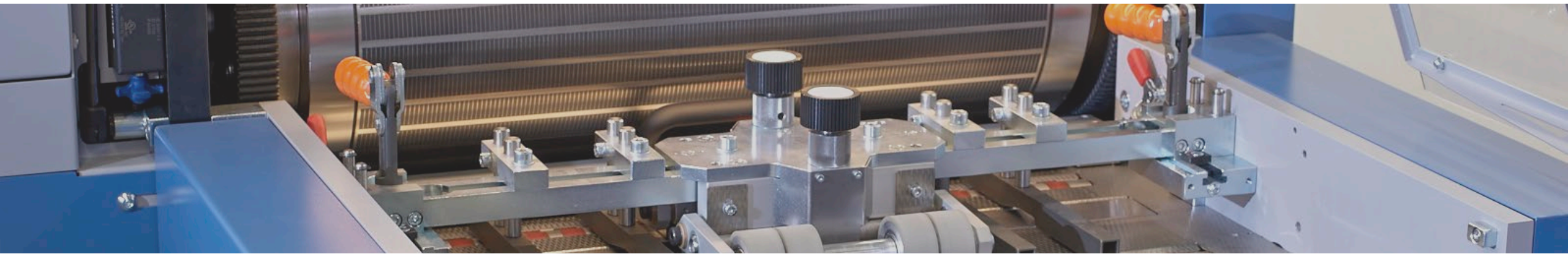
Top flexible die incl. creasing rules

Stripping area

- Vacuum conveyor belt keeps pieces aligned and in control
- NO NICKS
- Guide shoes and air blast ejects downward



Comparison



- Rotary Diecutting vs.
- Traditional Flat Bed Diecutting



Flatbed Diecutting

Common steel rule die made with wooden based board

1. Mount die to platten
2. Strike/Shim/MR (1-8 hrs) depending on machine and job (could be die and blanker)
3. Run at production speed
4. Down-stack to pallet automatically
 - Requires nicks
5. Stripping off-line (+labor hours)
6. Grind nicks (+labor hours)
7. Typical aged machine = 6000 sh/hr or less common real speed
8. Skilled Labor Issue





Rotary Diecutting

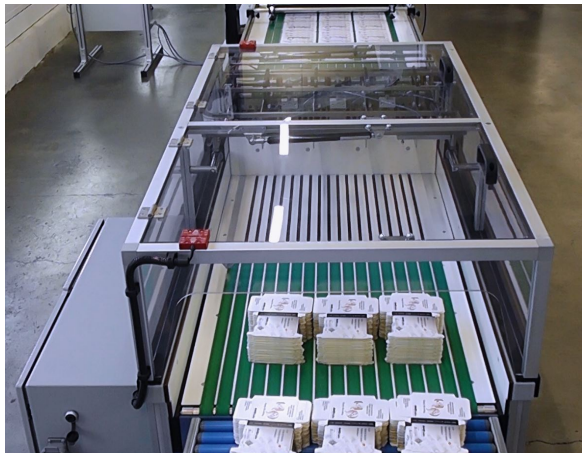
Process

- Mount flexible plate die
- Set cylinder pressure on bearers
- Align stripper shoes for matrix
- Program air ejection (internal scrap only)
- **15 Min changes for repeats**
- About 30-60 minutes for new work
- Run / Strip / Eject / Deliver
- **Real Run Speeds 5000-9000 Sh/Hr**



Rotary Diecutting System Examples

Two Station Folding Carton Production



- [BSR 550 - HS folding cartons, inline with MBO folder gluer](#)
- [BSR 550 – Double Module Folding Carton Production System](#)
- [BSR 550 - 2 Up Folding Cartons](#)



Contact Us For Further Information:

www.komori-america.us/contact-us/
www.komori-america.us/

www.mboamerica.com/contact/
www.mboamerica.com/



MBO America
4 East Stow Road, Suite 12
Marlton, NJ 08053
MBOAmerica.com | 609-267-2900

Note:

Komori reserves the right to change specifications on machines without notice and without obligation to modify equipment previously manufactured. Because of changes in design specification, or optional attachments and accessories, the machine actually delivered may differ in appearance and performance from that shown in this document.