



---

# VIJUK **MV OUTSERT SYSTEMS**

*For the only reliable cost-effective outsert production*



*Exclusively Vijuk's...*

**VIJUK PATENTED MV OUTSERT SYSTEMS** are for the production of RTA (cross-folded) outserts. Outserts, which have become the standard for providing information in the pharmaceutical industry, are leaflets with the final series of panels folded inward and secured to form closed leaflets which will not spring open during packaging operations or while affixed directly onto product containers.

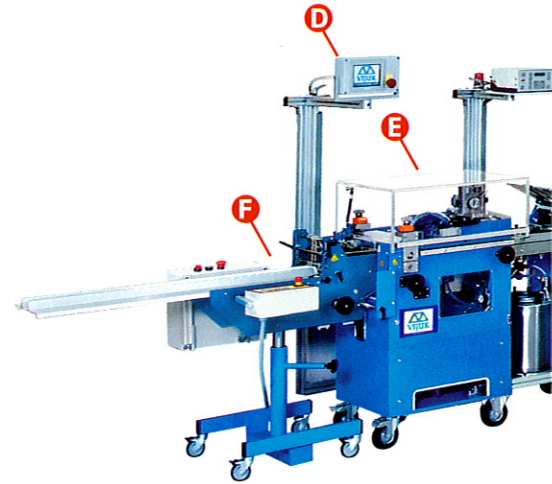
■ **VIJUK MV-09 OUTSERT SYSTEM** is a double knife-folder system.

■ **VIJUK MV-08 OUTSERT SYSTEM** is a single knife-folder system.

- Outsert systems are PLC controlled and are equipped with a modem for off-site diagnostic analysis.

The folders in the outsert systems are designed to handle light-weight stock for pharmaceutical and miniature leaflet folding.

Continually improving the outsert-making process, Vijuk has streamlined the new outsert systems, making improvements in efficiency and size.



**A** STATION I options are:

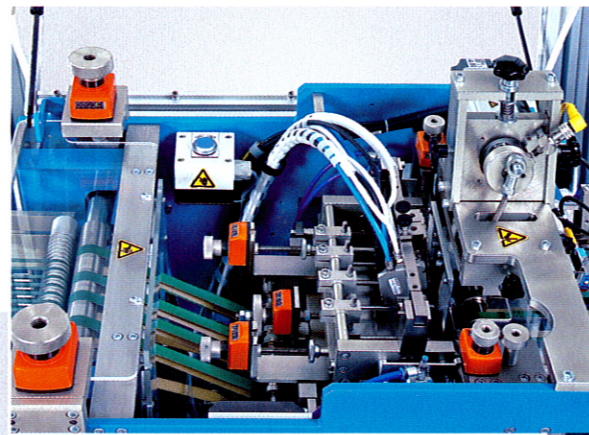
- Vijuk-G&K (GUK) FA 53 Folder with 12, 14, or 16 plates.
- Vijuk-G&K (GUK) FA 43 Folder with 12 plates.

**B** STATION II is a 4-plate Vijuk-G&K (GUK) Folder modified with special folding rollers, plates, and pressure roller to handle the thick, small-size leaflets.

**C** The R6 ROUND-PILE FEEDER is the standard feeder.

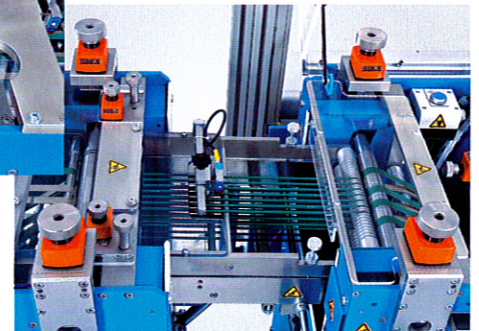


**D** The touch-screen, color-graphical CONTROL PANEL (HMI) controls all the functions of the Vijuk outsert section—the knife folders, pressing unit, and vertical stacker—controlling speed, alignment, counts, and jam detection.



**E** The KNIFE FOLDERS are technologically advanced for more efficient and accurate high-speed outsert production, with added safety.

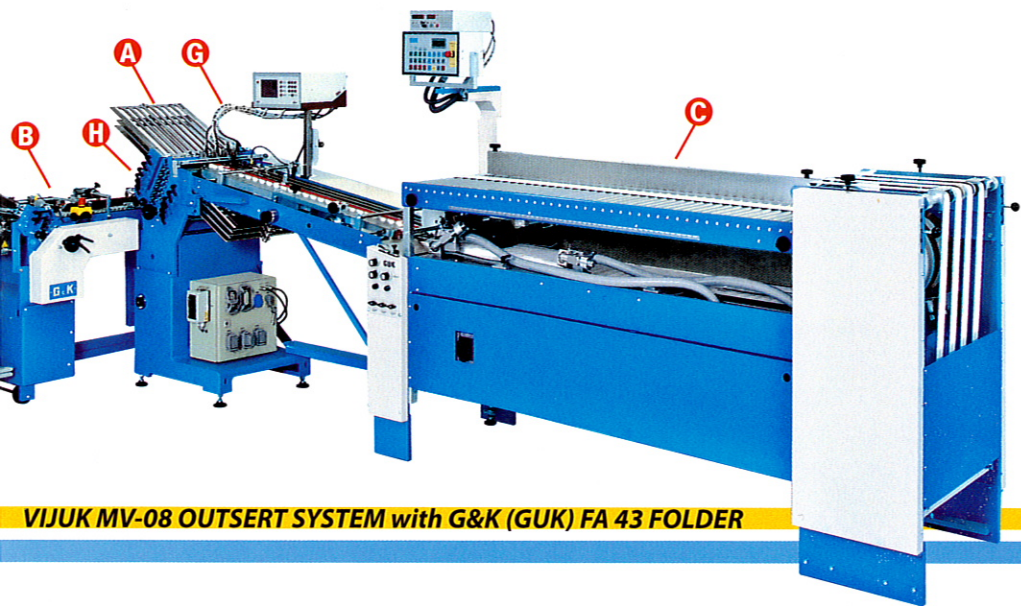
- For easier setup, sets of **DIGITAL DIALS** provide quick references for new and repeat jobs,
- Gluing was integrated for efficiency.



- On the MV-09 Outsert System, a **PRESSING DEVICE** compresses the folded outserts as they travel to the vertical-stacking delivery unit.

- **F** Improved to handle the speed, **VERTICAL-STACKING DELIVERY UNIT** stacks the folded pieces upright for easy, orderly collection.
- An air-activated batch kicker staggers pieces to mark batches.

# OUTSERT SYSTEMS

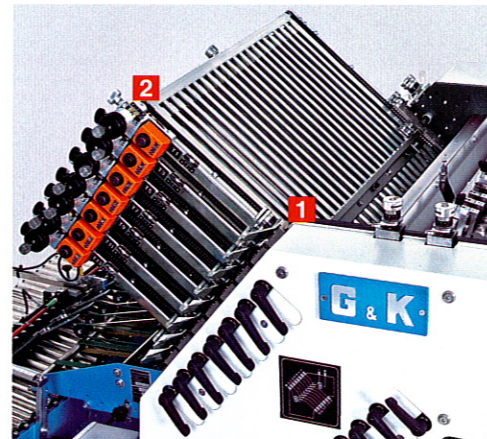


**VIJUK MV-08 OUTSERT SYSTEM with G&K (GUK) FA 43 FOLDER**

## ■ ADVANTAGES of the FA 53 FOLDER

### Capacity...

- 12, 14, or 16 Fold Plates—20<sup>3</sup>/<sub>4</sub>" wide format.



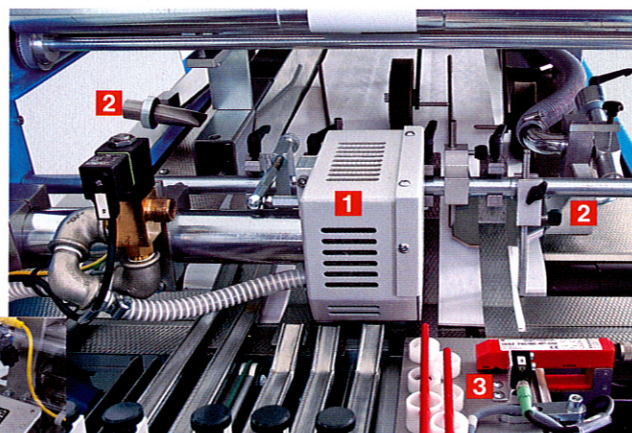
### Quick setup...

- 1 Quick caliper-set rollers.
- Zero-makeready plates.
- 2 Folding length is set by digital dials.
- Computerized Auto Fold-Plate Setting is available.



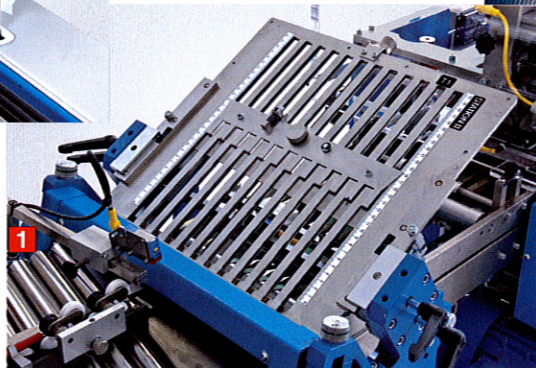
6 Accurate folds are accomplished with the combination of WATER SCORING (1) and rotary scoring.

2 The ELECTRONIC JAM DETECTING SENSOR is one of ten on the outsert system. The MV outsert system has "intelligent" self-teaching JAM DETECTION. Sensors throughout the system record the timing of sheet passage. If product does not pass a sensor point at the proper time, the operation preceding that point will shut down to prevent further jamming and minimize downtime.



3 The continuous-load R6 ROUND-PILE FEEDER feeds sheets up to 40" in length. Long and difficult-to-feed sheets are transferred by the top-suction wheel (1) (shielded by a safety cover) aided by air blasts from the front and from ADJUSTABLE FLOATING BLOWERS (2) on each side of the pile.

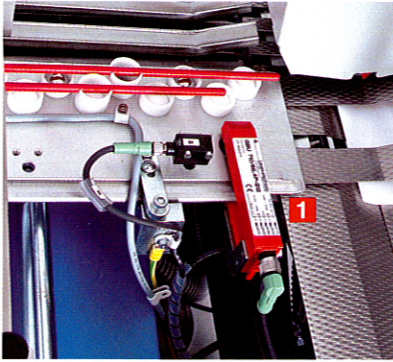
3 The ELECTRONIC DOUBLE-SHEET DETECTOR ensures quality production.



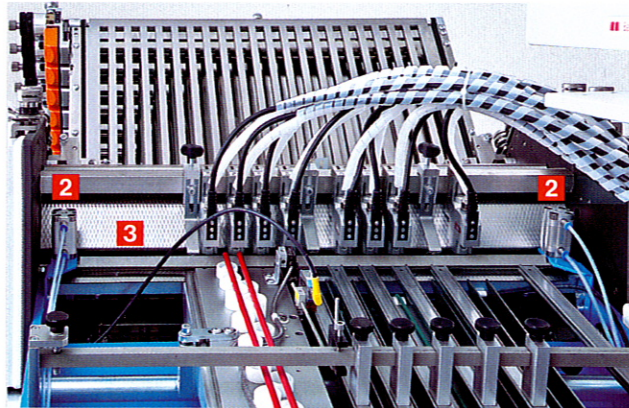
- FOLDING PLATES are designed with narrow ribs to accommodate miniature-size folding.

1 Minimal gap between rollers allows consistent transfer of miniature pieces.

### From the R6 Round-Pile Feeder...



- When feeding inconsistencies occur, the **DOUBLE-SHEET DETECTOR (1)** activates the double-sheet ejection system without stopping the machine.



- In the **DOUBLE-SHEET EJECTION SYSTEM**, air-opening cylinders (2), activated by the double-sheet detector, opens the gate (3) through which double or irregular sheets are ejected before they go into the folder. Production continues uninterrupted.

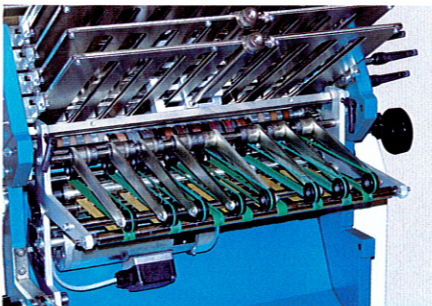
### Touch-screen controllers...



- 1 The **hhs® CONTROLLER** controls water scoring, barcode scanning, and glue application.

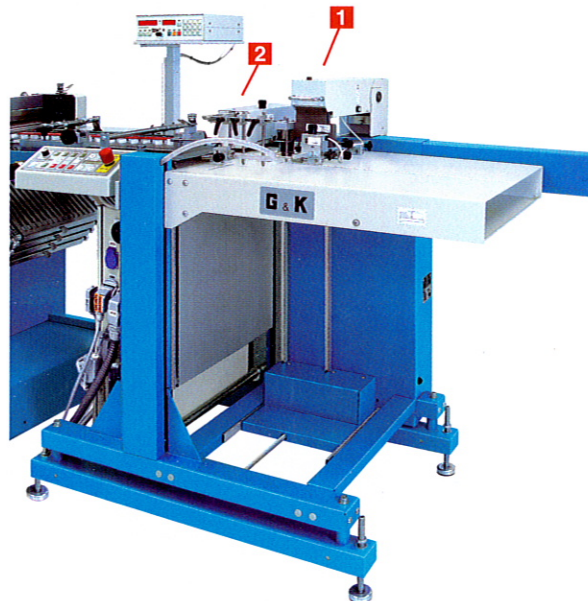
### Other features...

- The units in the MV outsert sections are modular and mobile. The MV-08 system can be upgraded to an MV-09 system by adding a second knife folder. The MV-09 system can be run as a single knife-folder system.
- **CLEAR SAFETY COVERS** with electronic interlocking switches allow view of production and safe operation.
- All outsert systems are CE certified.



- ⓐ The independently controlled **VARIABLE-SPEED TRANSFER UNIT** carries the paper from Station I to Station II.

### FA 43 FEEDER OPTION...



### FL2 Feeder

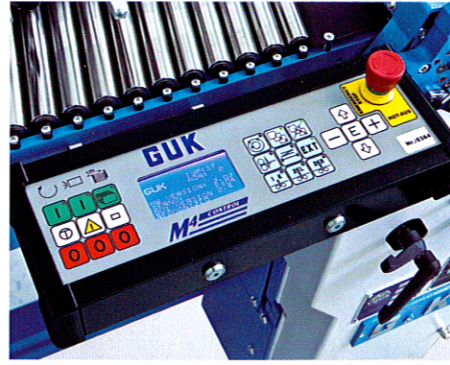
- Suction heads lift the sheets at the **REAR SEPARATING FEED SYSTEM (1)**. Air blasts aid the feeding of long or difficult-to-handle sheets.
- 2 A **DRUM SUCTION INFEED WHEEL**, shielded by a safety cover, transfers the paper toward the folding rollers.
- The rear separating feed system lifts up and out of the way for easy loading.
- Optional quick-set double-sheet detector and/or side air blasts are available to ensure accurate feeding.

### Other optional equipment ...

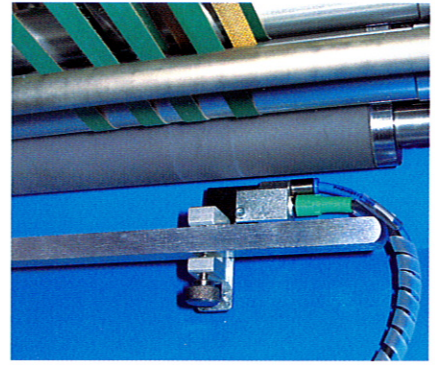
- Bar code scanner
- Pressing unit for the MV-08 system (standard on the MV-09)
- Glue verification
- Missing print detection
- Print verification



2



Station I and Station II quality control...



2 The L-4 CONTROL UNIT is used for setting up production speed, total, batch, and production counts, the double-sheet ejection system, and recording the sheet and fold lengths for the various monitoring devices.

- Programmed jobs can be stored for recall.

- The M-4 REMOTE CONTROL unit allows the operator to monitor production while away from the main controller.

- FOLD LENGTH MONITORS beneath the exit rollers on Stations I and II measure product coming out of the folding stations and stops the machine when the folded length is incorrect.

SPECIFICATIONS		MV-08	MV-08	MV-09	MV-09
MODEL R6 Feeder—with primary folder:		G&K (GUK)* FA 43	G&K (GUK)* FA 53	G&K (GUK)* FA 43	G&K (GUK)* FA 53
Number of knife folders		1	1	2	2
Beginning size (WxL)	max sheet	17" x 40" (431 x 1016)	20 <sup>3</sup> / <sub>4</sub> " x 40" (527 x 1016)	17" x 40" (431 x 1016)	20 <sup>3</sup> / <sub>4</sub> " x 40" (527 x 1016)
	min sheet	8" x 8" (204 x 204)	8" x 8" (204 x 204)	8" x 8" (204 x 204)	8" x 8" (204 x 204)
Size entering Knife I (WxL)	min sizes	1 <sup>1</sup> / <sub>8</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (29 x 58) 2" x 2" (51 x 51)	1 <sup>1</sup> / <sub>8</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (29 x 58) 2" x 2" (51 x 51)	1 <sup>1</sup> / <sub>8</sub> " x 3 <sup>3</sup> / <sub>8</sub> " (29 x 86) 2" x 3" (51 x 77)	1 <sup>1</sup> / <sub>8</sub> " x 3 <sup>3</sup> / <sub>8</sub> " (29 x 86) 2" x 3" (51 x 77)
	max size	6" x 6" (152 x 152)	6" x 6" (152 x 152)	6" x 9" (152 x 228)	6" x 9" (152 x 228)
Size entering Knife II (WxL)	min sizes	—	—	1 <sup>1</sup> / <sub>8</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (29 x 58) 2" x 2" (51 x 51)	1 <sup>1</sup> / <sub>8</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (29 x 58) 2" x 2" (51 x 51)
	max size	—	—	6" x 6" (152 x 152)	6" x 6" (152 x 152)
Finished leaflet (W x H)	min sizes**	1 <sup>1</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>8</sub> " (29 x 29) 2" x 1" (51 x 25)	1 <sup>1</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>8</sub> " (29 x 29) 2" x 1" (51 x 25)	1 <sup>1</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>8</sub> " (29 x 29) 2" x 1" (51 x 25)	1 <sup>1</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>8</sub> " (29 x 29) 2" x 1" (51 x 25)
	max size	6" x 3" (152 x 76)	6" x 3" (152 x 76)	6" x 3" (152 x 76)	6" x 3" (152 x 76)
Maximum number of panels:	12-plate	110	110	130	130
	14-plate	n/a	110	n/a	150
	16-plate	n/a	110	n/a	170
Water score heads	4	4	8	8	
Maximum cycle speed	14,000 cycles/hour***	14,000 cycles/hour***	14,000 cycles/hour***	14,000 cycles/hour***	
Electrical	230V, 3ø, 60 cycle	230V, 3ø, 60 cycle	230V, 3ø, 60 cycle	230V, 3ø, 60 cycle	

\* Manufacturer is known as GUK in Europe. Measurements in parentheses are in millimeters.  
 \*\* Minimum folded sizes based on 10-panel RTA folding format using 27# paper.  
 \*\*\* Production speed depends on the finished folded size and number of panels.

**FDA COMPLIANCE MADE EASIER • LEAN MANUFACTURING, MERELY USING PAPER AND GLUE**



• CE CERTIFIED • EXCELLENT TRAINING AND SUPPORT • GLOBAL SALES AND SERVICE

