



G&K-VIJUK MV-11 OUTSERT SYSTEMS

For the only reliable cost-effective outsert production

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



G&K-VIJUK MV-11 TRIPLE KNIFE OUTSERT SYSTEM with G&K (GUK) FA 53 FOLDER



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



Exclusively G&K-Vijuk's...

G&K-VIJUK PATENTED MV-11 OUTSERT SYSTEMS

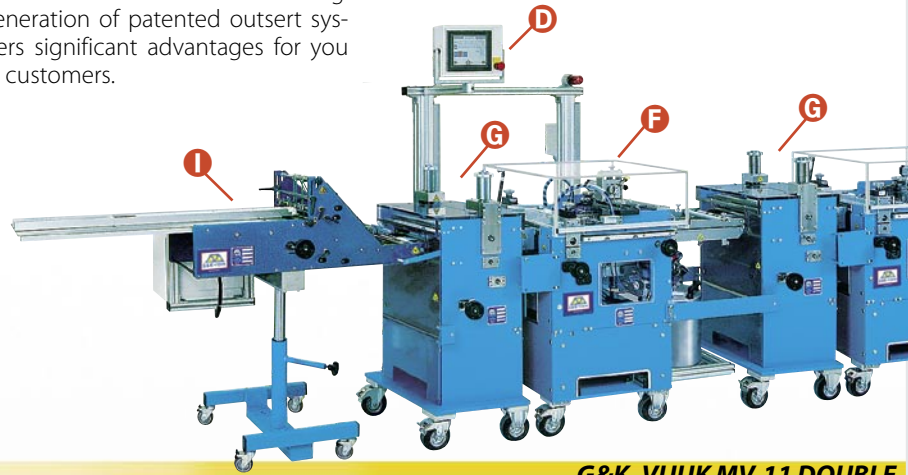
- **MV-11 OUTSERT SYSTEMS** are modular to give you production flexibility and efficiency.
 - A single knife-unit system folds outserts with up to 110 panels—as small as 1 1/8" x 1 1/8".
 - A double knife-unit system folds outserts with up to 170 panels—as small as 1 1/8" x 1 1/8".
 - A triple knife-unit system folds outserts with up to 238 panels—as small as 1 1/8" x 1 1/8".
 - Single and double knife systems can be upgraded with additional knife and pressing units.
 - Systems can be configured as required by the job.
 - Outsert systems are PLC controlled and equipped with a modem for off-site diagnostic analysis.

are for the production of RTA (right-turn-angle) cross-folded outserts. Outserts, which have become the standard for providing information in the pharmaceutical industry, are leaflets that are folded to a small size and secured to form closed leaflets which will not spring open during packaging operations or while affixed directly onto product containers.

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

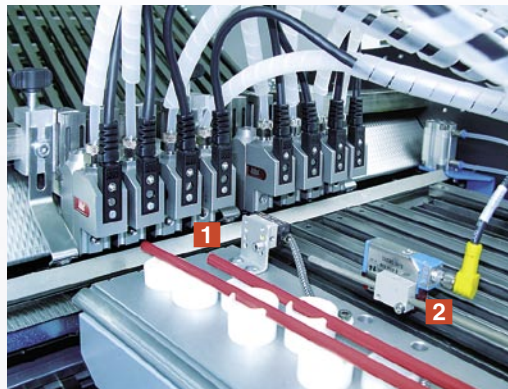
This generation of patented outsert systems offers significant advantages for you and your customers.

- Gain more copy space by folding larger sheets into outserts with 40% more panels than with previous models.
- Outserts on average are 15% thinner than those folded on previous models, giving you savings on storage and shipping.
- Thinner outserts are easier to handle—manually and mechanically.
- Larger outserts will fit in existing packaging.

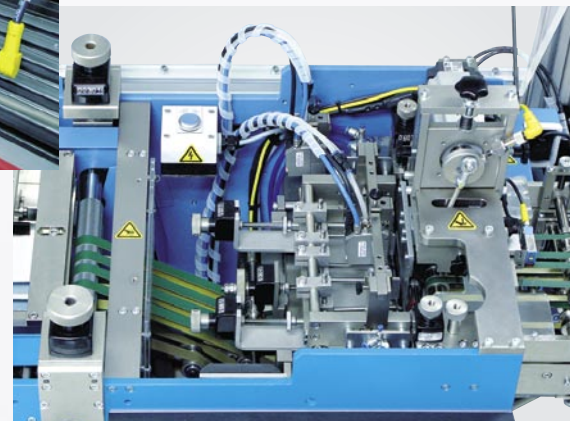


G&K-VIJUK MV-11 DOUBLE

- A** STATION I options are:
 - G&K (GUK) FA 53 Folder (20 3/4"/ 53 cm) with 12, 14, or 16 plates.
 - G&K (GUK) FA 43 Folder (17"/ 43 cm) with 12 plates for the single and double knife systems.
- B** STATION II may be a 2-plate or 4-plate 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 standard.



- E** Accurate cross folds are accomplished with the combination of **WATER SCORING (1)** and rotary scoring.
- 2** The **ELECTRONIC JAM DETECTING SENSOR**, one of many on the outsert system, is part of "intelligent," self-teaching **JAM DETECTION**. Sensors throughout the system record the timing of sheet passage. If product does not arrive at a sensor point in the proper time, the operation preceding that point will shut down to prevent further jamming and minimize downtime.



- F** The **KNIFE FOLDERS** are technologically advanced for efficient and accurate high-speed outsert production, with added safety features.
 - For easier setup, **DIGITAL DIALS** provide quick references for new and repeat jobs,
 - Gluing was integrated for efficiency.



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

G&K MV-11 OUTSERT SYSTEMS



■ ADVANTAGES of the FA 53 FOLDER

Capacity...

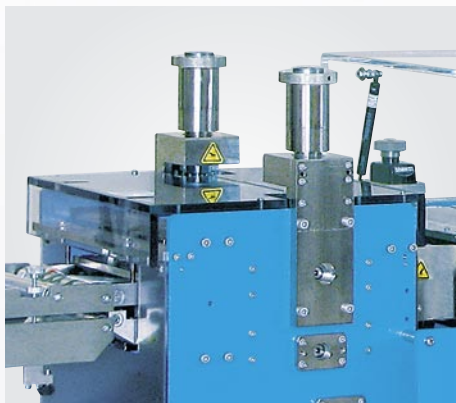
- 12, 14, or 16 Fold Plates—20³/₄" (53 cm) wide format.



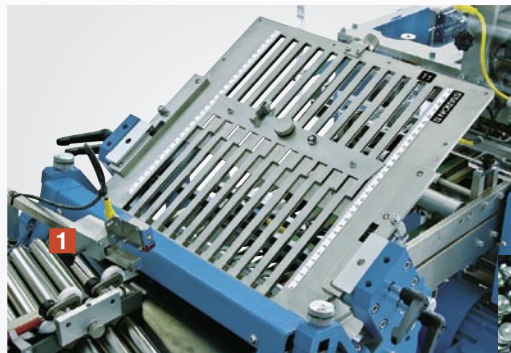
Quick setup...

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

KNIFE OUTSERT SYSTEM with G&K (GUK) FA 53 FOLDER



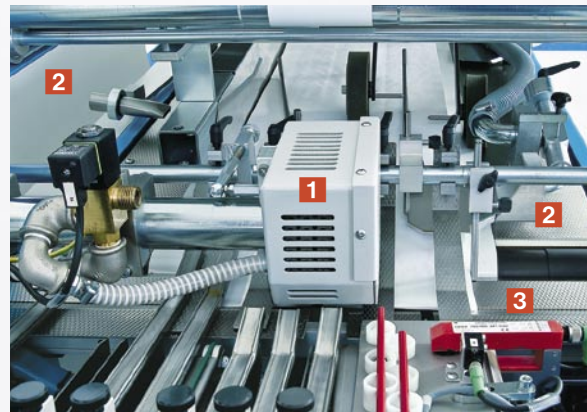
G A heavy-duty **PRESSING UNIT** compresses the folded outserts as they leave the knife folding units.



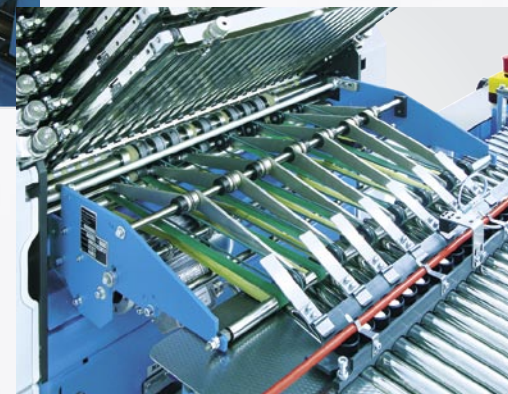
B **FOLDING PLATES** in Station II (and Station I) are designed with narrow ribs and spacing to accommodate miniature-size folding.

1 Minimal gaps between the rollers allow consistent transfer of miniature pieces.

C The continuous-load **R6 ROUND-PILE FEEDER** feeds sheets up to 40" in length. Long and difficult-to-feed sheets are transferred to the register table by the top-suction wheel shielded by a safety cover (1), 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** stops the registration table on FA 43 systems or triggers the Double-Sheet Ejection System on FA 53 systems.



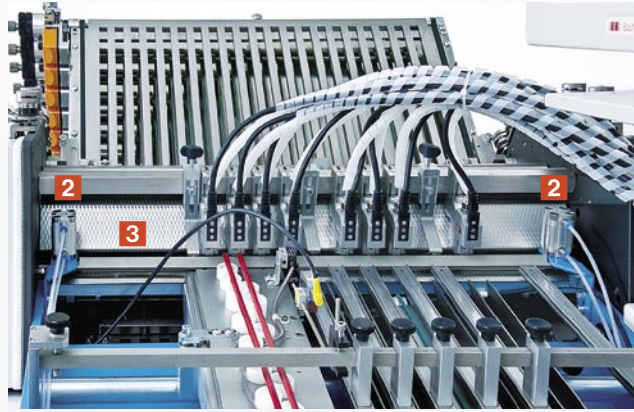
H The **VARIABLE-SPEED TRANSFER UNIT** transports the paper from Station I to Station II.

- Ensures accurate paper registration.
- Has independent speed control.

From the R6 Round-Pile Feeder...



1 The **DOUBLE-SHEET DETECTOR** is included in all models.

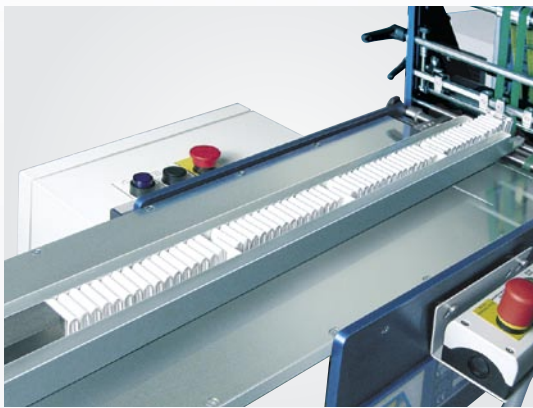


- In the **DOUBLE-SHEET EJECTION SYSTEM**, when a double sheet is detected, the pneumatic cylinders (2), activate the ejection gate (3) and the double sheet is ejected before going into the folder. Production continues uninterrupted.

Touch-screen controllers...



- 1 The **hhs® XTS2 CONTROLLER** controls water scoring and glue application.
- It is standard on FA 53 systems and an option on FA 43 systems. (The hhs® Xtend Controller is standard on FA 43 systems.)



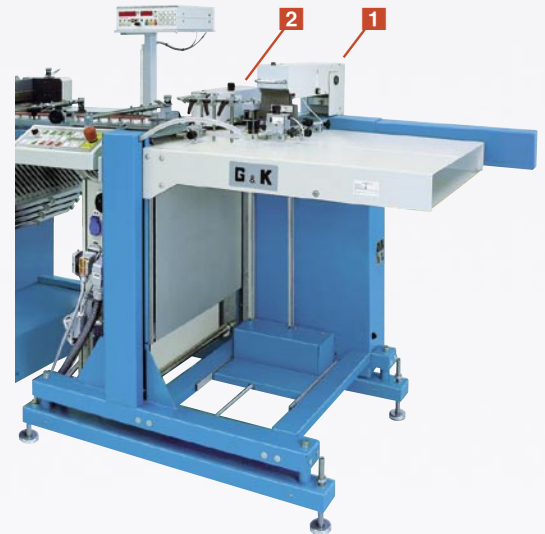
- 1 Improved to handle the speed and greater thicknesses, the **VERTICAL-STACK DELIVERY UNIT** stacks the folded pieces upright for easy, orderly collection.
- An air-activated batch kicker staggers pieces to mark batches.

■ Other features...

- **CLEAR SAFETY COVERS** with electronic interlocking switches allow view of production and safe operation.
- All outsert systems are CE certified.

FLAT-PILE FEEDER OPTION... on all models

- Suction heads lift the sheets at the **REAR SEPARATING FEED SYSTEM (1)**. Air blasts aid the feeding of long or difficult-to-handle sheets.
- A **DRUM SUCTION INFEED WHEEL (2)**, shielded by a safety cover, transfers the paper toward the folding rollers.
- The rear separating feed system will lift out of the way for easy loading.



Optional hhs® equipment...

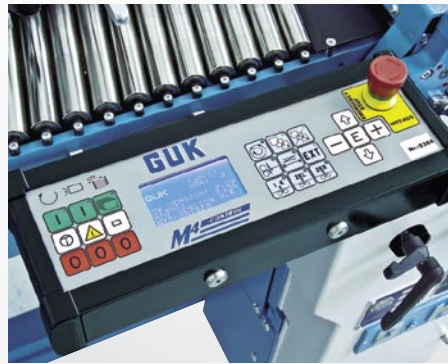
- Bar code scanner
- Glue verification
- Missing print detection
- Print verification

These may require different controllers.



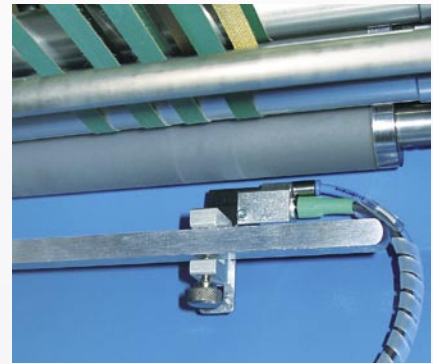
2 The **L-4 CONTROL UNIT** is used for setting up production speed; total, batch, and production counts; the double-sheet ejection system; and for recording sheet and fold lengths for various monitoring devices.

- Programmed jobs can be stored for recall.



- The **M-4 REMOTE CONTROL** unit allows operation from a second location.

Station I and Station II quality control...



- **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.

G&K-VIJUK MV-11 OUTSERT SYSTEMS SPECIFICATIONS ¹

| Model | | SINGLE KNIFE-UNIT | DOUBLE KNIFE-UNIT | TRIPLE KNIFE-UNIT |
|---------------------------------------|--|--|--|--|
| Beginning size (WxL) | G&K (GUK) FA 43² max sheet | 17" x 40" (431 x 1016) | 17" x 40" (431 x 1016) | n/a |
| | min sheet | 8" x 8" (204 x 204) | 8" x 8" (204 x 204) | n/a |
| Beginning size (WxL) | G&K (GUK) FA 53² max sheet | 20 ³ / ₄ " x 40" (527 x 1016) | 20 ³ / ₄ " x 40" (527 x 1016) | 20 ³ / ₄ " 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) |
| Finished leaflet (WxL) | min sizes | 1 ¹ / ₈ " x 1 ¹ / ₈ " (29 x 29) 2" x 1" (50 x 25) | 1 ¹ / ₈ " x 1 ¹ / ₈ " (29 x 29) 2" x 1" (50 x 25) | 1 ¹ / ₈ " x 1 ¹ / ₈ " (29 x 29) 2" x 1" (50 x 25) |
| | max size | 6" x 3" (152 x 76) | 6" x 3" (152 x 76) | 6" x 3" (152 x 76) |
| Maximum number of panels ³ | 12-plate ² | 110 | 130 | 182 |
| | 14-plate ² | 110 | 150 | 210 |
| | 16-plate ² | 110 | 170 | 238 |
| Water score heads | | 4 | 8 | 8 |
| Maximum cycle speed | | 14,000 cycles/hour ⁴ | 14,000 cycles/hour ⁴ | 14,000 cycles/hour ⁴ |
| Electrical | | 230V, 3ø, 60 cycle | 230V, 3ø, 60 cycle | 230V, 3ø, 60 cycle |

¹ All specifications are based on using 27# paper on outsert systems with the R6 Round-Pile Feeder. Measurements in parentheses are in millimeters.
² Based on the primary folder. The G&K FA 43 has 12 plates. The G&K FA 53 may have 12, 14, or 16 plates. (The manufacturer is known as GUK in Europe.)
³ RTA outserts with more than 90 panels must be produced using a 10- or a 14-panel configuration in the right-turn-angle section, depending on the model.
⁴ Production speed depends on the finished folded size and number of panels.

We appreciate your interest in G&K-Vijuk International.

For all your outsert production needs, G&K-Vijuk proudly offers high-quality equipment and excellent support and service worldwide.

Please contact us for other finishing needs in North America.

- *G&K Pharmaceutical, Miniature, and Packaging-line Folders and auxiliary equipment*
- *G&K Commercial Folders*
- *G&K-Vijuk MV Outsert Systems*
- *G&K Mail Systems*
- *Other specialty or customized folding equipment*
- *Spare parts for all G&K-Vijuk equipment*



G&K-VIJUK MV-11 SINGLE KNIFE OUTSERT SYSTEM with G&K (GUK) FA 43 FOLDER

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