MITSUBISHI
Advancing to the Next Level
EVOL
in a class all its own
MITSUBISHI
HEAVY INDUSTRIES, LTD.
The Original EVOL 84’s extraordinary speed and performance set new standards for flexo-folder gluers.

Since introducing our first box making machines in 1967, we have supplied more than 750 units to customers around the world. Understanding the needs of our customers has resulted in machines that give:

High Productivity • High Quality • Minimum Waste
EVOL-100

Advance to the next level with a machine that is designed to do just that. With the same high speed and 1/3 more production capacity than the EVOL 84, it’s easy to see how it would enhance your production.

High Speed
350blks/min.

High Accuracy
Gauging Rollers with auto lateral / taper adjustment in Folding Unit (PAT. Pending)

High Productivity
Max. die cut sheet width:
2150mm (84.65 in.)
One stage Counter Ejector (PAT. Pending)

Space Saving
Less space required on Drive side

Easy Operation and Maintenance
High Quality

Stable Feeding Accuracy

1. Mitsubishi's own design Lead Edge Feeder with overlapping wheels in a zig-zag arrangement gives accurate feed for any corrugated board.

2. Feeding accuracy is enhanced by an integral torque balancer on the feeder drive.

High Quality Printing

1. The Combination of a transfer conveyor with a one piece vacuum belt and independent drives on each printing cylinder gives high quality printing.

2. Independent drives for the anilox rolls allow automatic compensation for different print die thicknesses from 3.2mm to 7.2mm (0.125in.-0.280in.) (PAT. PENDING)

Chambered Doctor Blade

1. Consistent print density over all running speeds.

2. High speed capable even with fine printing dies.

3. Mitsubishi's proprietary ink circulation recovery, and washing system minimizes ink loss during ink change. (PAT. PENDING)
**Precise Folding Accuracy**

Mitsubishi's proprietary design gauging rollers, forming belts with speed control and automatically adjusted folding guides give stable and precise folding accuracy. *(PAT. PENDING)*

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**Gauging Roller**

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**Folding Unit**
High Productivity

1. Top stacking design minimizes fish tailing of boxes, and gives reliable operation on diecut and outside glue lap boxes.

2. This design gives a counter ejector which achieves reliable high speed operation at 350 blks / min. *(PAT. PENDING)*

**Small Size Board Capability**

The use of smaller shafts and the one piece transfer conveyor belt give accurate control of boards down to 220mm (8.7in) on the EVOL 84.

**Auto Set-up and Auto Test Printing Mode**

Completely automatic set-up from the completion of the previous order to test printing of the following order (excl. printing die and cutting die change). This gives an extremely short order change time with minimum operator involvement.
Integrated Operation Panel

1. The integrated operation touch panel on the Counter Ejector controls each unit of the machine.

2. The operating conditions of each unit can easily be adjusted during production from this panel.

CNC Production Control Unit

1. Up to 50,000 Repeat Order setups can be memorized, minimizing order change time.

2. The Preventive Maintenance Feature provides detailed information on schedule to ensure that routine maintenance is performed on time.

3. Fault diagnostics minimize machine down time.
EVOL 84 Specifications

Max. Mechanical Machine Speed: 350 blks/min
Max. Untrimmed Sheet: 870 x 2,140mm (34.3 x 84.3in.)
Max. Trimmed Sheet (incl. glue flap: 45mm): 870 x 2,130mm (34.3 x 83.9in.)
Max. Untrimmed Sheet with Skip Feed: 1,220 x 2,140mm (48 x 84.3in.)
Max. Printing Area: 870 x 1,920mm (34.3 x 75.6in.)
Max. Die Cutting Area: 870 x 1,810mm (34.3 x 71.3in.)
Min. Trimmed Sheet: 220 x 750mm (8.7 x 29.5in.)
Standard Printing Die Height: 6.604 / 3.302mm (.26/.13in.)
Max. Panel Width: Glue flap side 900mm (35.4in.) Opposite side 785mm (30.9in.)
Min. Slotting Center Distance: Glue flap side 200mm (7.9in.) Opposite side 90mm (3.5in.)
Min. Box Size Depth: 60mm (2.36in.)

Counter Ejector: Count Number
B: 10-40
C: 10-25
BC: 5-20

Machine Speed: 5 sheets count
5 sheets count: 100
10 sheets count: 250
more than 15 sheets count: 350

Height of delivery conveyor from floor level: 788mm (31.0in.)
Approximate weight: 65,000kg (143,300lbs)

EVOL 100 Specifications

Max. Mechanical Machine Speed: 350 blks/min
Max. Untrimmed Sheet: 950 x 2,555mm (37.4 x 100.5in.)
Max. Trimmed Sheet (incl. glue flap: 45mm): 950 x 2,545mm (37.4 x 100.2in.)
Max. Untrimmed Sheet with Skip Feed: 1,220 x 2,555mm (48 x 100.5in.)
Max. Printing Area: 960 x 2,370mm (37.4 x 93.3in.)
Max. Die Cutting Area: 980 x 2,150mm (38.58 x 84.65in.)
Min. Trimmed Sheet: 250 x 685mm (9.84 x 26.97in.)
Standard Printing Die Height: 6.604 / 3.302mm (.26/.13in.)
Max. Panel Width: Glue flap side 955mm (37.6in.) Opposite side 785mm (30.9in.)
Min. Slotting Center Distance: Glue flap side 185mm (7.28in.) Opposite side 90mm (3.5in.)
Min. Box Size Depth: 60mm (2.36in.)

Counter Ejector: Count Number
B: 5-40
C: 5-35
BC: 5-20

Machine Speed: 5 sheets count
5 sheets count: 125
10 sheets count: 250
more than 15 sheets count: 350

Height of delivery conveyor from floor level: 788mm (31.02in.)
Approximate weight: 91,900kg (202,605lbs)