MEGAFOLD
SPECIALTY CORRUGATED FOLDER-GLUERS

www.dgm-global.com
MEGAFOLD Folder-gluers
1450 / 1650 / 1850 – up to 3200

HIGH SPEED AUTOMATIC FOLDER GLUER

MEGAFOLD Perfect solution to work with medium and large sized boxes in the heavy packaging industry. With high productivity, it offers the flexibility to run thin solid board to thick corrugated carton.

- Modular design allows different configurations, to meet customer’s needs.
- Wide range of accessories that allows to run thousands of designs.
- Fast, steady and precise machine, easy to set up and operate.
- All sections with independent servo-motor driving system.
- Motorized carrier movement with high precision linear guides.
- Memory function to save repetitive jobs.

MODELS

MEGAFOLD C
Without pre-folding section suitable for straight-line boxes.

MEGAFOLD AC
Without pre-folding section suitable for straight-line, crash-lock bottom & double wall boxes.

MEGAFOLD PC
Suitable for straight-line, crash-lock bottom & double wall boxes.

MEGAFOLD SL
Suitable for straight-line, crash-lock bottom, double wall, 4 & 6-corner boxes.

MATERIALS

Carton board

Corrugated board

BOXES

Straight line

Double - wall Box

4 corner Box

4 corner Box with Lid

6 - corner box
COMPONENTS FOR ALL MODELS

1. Feeder section
   - Friction feeder, independently driven by servo-motor.
   - Adjustable electronic pile vibrator.
   - Lateral feed gates fully adjustable to the width of the blank.
   - 3 adjustable front feed knives with bogies and 3 additional smaller sets.
   - 6/8/8 feeder belts including 4 drilled belts for suction function.
   - Control panel with touchscreen and buttons for all operations.
   - Extendable rear pile support for long boxes.

2. Side register section
   - Independent section that registers the blank to one side ensuring a perfect parallelism before entering the pre-folding or gluing sections.
   - Independently driven by servo-motor.
   - Possibility to register on any side of the machine.
   - Fast and easy setup.

3. Pre-folding section
   - Independently driven by servo-motor.
   - Left hand glue flaps pre-folder up to 180°.
   - Third crease line pre-folder up to 135°.
   - 1st and 3rd crease openers.

4. Crash lock bottom section
   - Independently driven by servo-motor.
   - Complete set of folding hooks and helices for smooth and accurate folding of front flaps.
   - Adjustable hook tension.
   - Set of accessories for “B” lock bottom.
   - Fast and easy setup.

5. Gluing section
   - Optional Electronic upper gluing system, cold glue with 3 guns.
   - Two lower (left and right) gluing tanks.
   - Easy to remove and clean.

6. Folding and Closing section
   - Independently driven by servo-motor.
   - Smooth and accurate folding of 2nd and 4th creases.
   - Outer folding belts adjustable up to 180° with variable speed controlled by two independent servo-motors, L & R side.
   - Three sets of upper & lower carriers with 34 mm upper, 50 mm lower and 100mm outer belts.
   - Easy accessibility.
   - Mini-box folding device.

7. Transfer section
   - Independently driven by servo-motor.
   - Upper and lower drive mechanism for length-adjustment.
   - Allows a perfect understack or overstack stream of boxes.
   - Equipped with automatic belt tension-adjusting system.
   - Continuous and automatic box collection mechanism that ensures a neat transfer to the Press section, guaranteeing an aligned flow.
   - Pneumatic squaring device for accurate closing of crash lock-bottom boxes.

8. Squaring device in Transfer section
   - Pneumatic squaring device in transfer section.
   - Aluminium plates stop the box while the upper trombone belts correct any deviation on the closing. The box is released after correction.

9. Squaring device
   - Motorized and pneumatic squaring device on press section. Two carriers with transport belts allow a perfect flow of boxes moving to the press station.
   - Rear stack corrector, that allows to square the boxes while falling on the lower conveyor.

10. Press section
    - Independently motorized pneumatic press section.
    - Manual and Automatic mode (follow up).
    - Upper section moves back and forward through a motorized system, allowing different box length.
    - 6.5 meters total length with 4 meters of effective pressure.
    - Pneumatic pressure regulation.

11. Back-folding device
    - Motorized and untimed electronic back folding system with intelligent servo-motor technology.
    - Two independent servo motors, one for each shaft.
    - Versatile and easy to setup.

12. Scoring/creasing modules
    - Independent scoring section driven by servo motors.
    - Located right after Side-register section, before pre-folding section.
    - Allows to make deeper scores if needed.
**MEGAFOLD**

**1450 / 1650 / 1850**

### Specifications

<table>
<thead>
<tr>
<th></th>
<th>1450</th>
<th>1650</th>
<th>1850</th>
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</thead>
<tbody>
<tr>
<td><strong>Processed materials</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Carton board max.</td>
<td>1200 g/m²</td>
<td>1200 g/m²</td>
<td>1200 g/m²</td>
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<tr>
<td>Corrugated flute type</td>
<td>E, C, B, AB 3 &amp; 5 layers</td>
<td>E, C, B, AB 3 &amp; 5 layers</td>
<td>E, C, B, AB 3 &amp; 5 layers</td>
</tr>
<tr>
<td><strong>Capability</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Speed max.</td>
<td>300 m/min</td>
<td>300 m/min</td>
<td>300 m/min</td>
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<tr>
<td>Inching speed</td>
<td>20 m/min</td>
<td>20 m/min</td>
<td>20 m/min</td>
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<tr>
<td>Thickness of folded box max.</td>
<td>20 mm</td>
<td>20 mm</td>
<td>20 mm</td>
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<tr>
<td>Blank width</td>
<td>290-1450 mm</td>
<td>290-1650 mm</td>
<td>290-1850 mm</td>
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<tr>
<td><strong>Dimensions &amp; weight</strong></td>
<td>C</td>
<td>AC</td>
<td>PC</td>
</tr>
<tr>
<td>Length</td>
<td>17.4 m</td>
<td>19.4 m</td>
<td>22.4 m</td>
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<tr>
<td>Width</td>
<td>2.2 m</td>
<td>2.2 m</td>
<td>2.2 m</td>
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<tr>
<td>Height</td>
<td>1.7 m</td>
<td>1.7 m</td>
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<tr>
<td>Net Weight</td>
<td>12 ton</td>
<td>13.5 ton</td>
<td>14.5 ton</td>
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<td><strong>Installation</strong></td>
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<tr>
<td>Electrical connected load</td>
<td>40 kW</td>
<td>45 kW</td>
<td>50 kW</td>
</tr>
<tr>
<td>Compressed air</td>
<td>6 bar</td>
<td>6 bar</td>
<td>6 bar</td>
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</tbody>
</table>

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**Scheme MEGAFOLD**

- **Straight line**
  - A: 290 - 1450 mm
  - B: 250 - 1200 mm
  - E: 135 - 715 mm

- **Lock - bottom**
  - A: 290 - 1360 mm
  - B: 300 - 1200 mm
  - E: 135 - 665 mm

- **Double - wall**
  - A: 290 - 1450 mm
  - B: 200 - 1200 mm
  - E: 135 - 1250 mm

- **4 - corner**
  - A: 230 - 1450 mm
  - B: 220 - 1200 mm
  - H: 35 - 150 mm

- **4 - corner with lid**
  - A: 350 - 1300 mm
  - B: 220 - 1200 mm
  - H: 35 - 150 mm

- **6 - corner**
  - A: 350 - 1300 mm
  - B: 220 - 1200 mm
  - H: 35 - 150 mm
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