



凱美塑膠機械股份有限公司  
KAI MEI PLASTIC MACHINERY CO., LTD.

# MIB-SERIES

## INJECTION-STRETCH BLOW MOULDING



台灣精品  
TAIWAN EXCELLENCE  
2009



This model of one-stage, three station injection stretch blow molding machine is made by KAI MEI plastic machinery co. ltd. It has the possibility to economically produce high quality containers using various of many kinds of material in PET, PP, PC, TRITAN, PES, etc. and save energy. It lets our customers obtain the most profits with the fast cycle time from this injection stretch blow-molding machine.

### PROCESSING WITH 3 STATION ROTARY TABLE

The process of this machine is by using a rotary disk to cycle three stations. At the first station, there is a high clamping force on the injection mould of this machine to ensure obtaining a good performance quality. At the second station, we assigned a controller to adjust the temperature so that our customers could obtain the best quality bottles. At the third station, it is in process of the stretching and high pressure blowing shape. At the last station, high quality bottles can be easily taken out.

### 3 STATIONS PRODUCTION PROCESS



#### STATION 1: PREFORM INJECTION MOULDING STATION

The clamping mould of this machine is quickly clamped by using two small hydraulic cylinders and is finally clamped by a large diameter cylinder with a high clamping force that can reach 30 tons. The material is injected into the mold of the hot runner system and cooled down rapidly to 95-100 C. and that it is cleanly shaped.

#### STATION 2: STRETCH BLOW STATION

To stretch the perform by using a thin long stick and holding the button on to blow at high pressure to shape.

#### STATION 3: PRODUCT EJECTING STATION

The products here are at the final station. Using pneumatics to open the neck mould, the products can simply be taken out.







## SPECIFICATION OF MACHINE

| Model                              | Unit                   | MIB 75    | MIB 65    | MIB 55      | MIB 45      |
|------------------------------------|------------------------|-----------|-----------|-------------|-------------|
| Screw Dia.                         | mm                     | 75        | 65        | 55          | 45          |
| Injection Capacity                 | cm <sup>3</sup> / shot | 884       | 565       | 333         | 175         |
| Screw Heating Capacity             | kw                     | 12.5      | 10        | 7           | 4.2         |
| Injection Clamping Force           | ton                    | 102       | 102       | 61          | 33          |
| Blowing Mold Clamping Force        | ton                    | 55        | 43        | 34          | 18          |
| Maximum Blowing Air Pressure       | bar                    | 30        | 30        | 30          | 30          |
| Air Pressure System                | bar                    | 8         | 8         | 8           | 8           |
| Hydraulic Pack Pump Motor          | hp                     | 75        | 60        | 50          | 40          |
| Operating Hydraulic Pressure (max) | kg / cm <sup>2</sup>   | 140       | 140       | 140         | 140         |
| Total power consumption            | kw                     | 82.5      | 64.5      | 50.5        | 35          |
| Machine Size                       | L×W×H(m)               | 6.5*3.4*5 | 5.8*3*4.7 | 5.4*2.4*4.2 | 4.2*2.0*3.4 |
| Machine weight                     | ton                    | 20        | 16        | 11          | 7           |

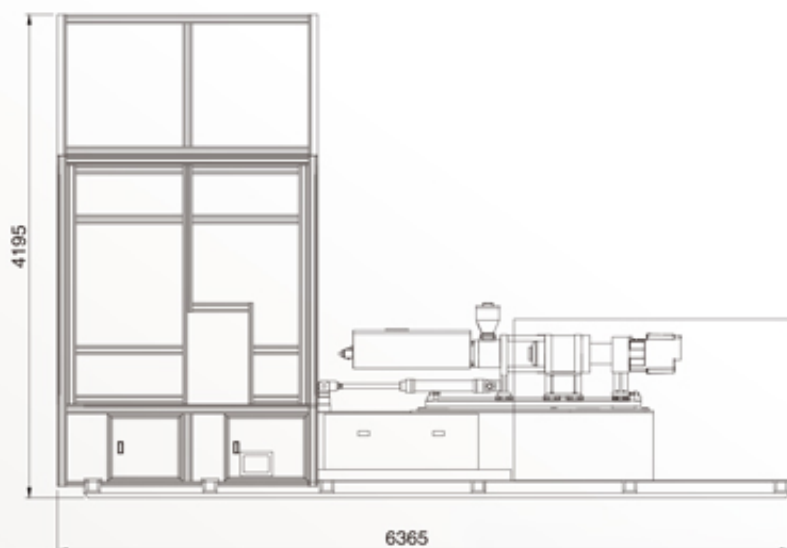
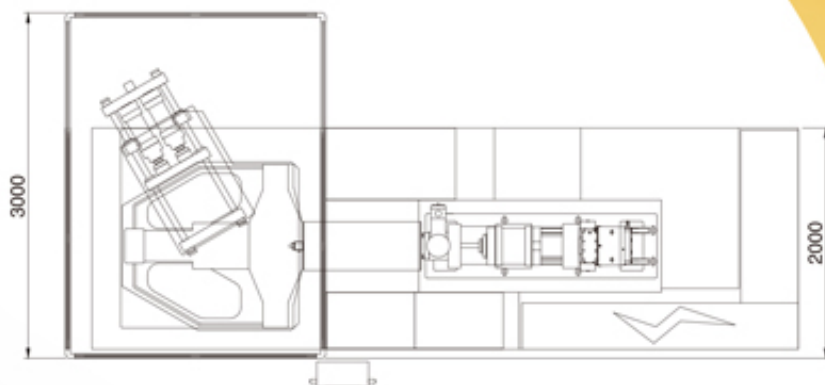
- For more detailed information, please contact manufacturer
- All specifications and designs are subject to change without notice.

## PRODUCT DIMENSIONS

| Model         | Number of Cavities   | 1   | 2   | 4   | 6   | 8    |
|---------------|----------------------|-----|-----|-----|-----|------|
| <b>MIB 45</b> | Approximate Capacity | 2   | 1.5 | 0.5 |     |      |
|               | Neck Diameter        | 70  | 55  | 40  |     |      |
|               | Body Diameter        | 105 | 100 | 55  |     |      |
|               | Height               | 300 | 300 | 250 |     |      |
| <b>MIB 55</b> | Approximate Capacity | 5   | 2.5 | 1.5 | 0.6 |      |
|               | Neck Diameter        | 80  | 75  | 55  | 35  |      |
|               | Body Diameter        | 170 | 130 | 90  | 66  |      |
|               | Height               | 350 | 350 | 320 | 250 |      |
| <b>MIB 65</b> | Approximate Capacity |     | 3   | 2   | 0.8 | 0.35 |
|               | Neck Diameter        |     | 80  | 70  | 40  | 35   |
|               | Body Diameter        |     | 130 | 105 | 80  | 50   |
|               | Height               |     | 350 | 335 | 270 | 250  |
| <b>MIB 75</b> | Approximate Capacity |     | 5   | 2.5 | 1   | 0.5  |
|               | Neck Diameter        |     | 80  | 70  | 50  | 35   |
|               | Body Diameter        |     | 170 | 130 | 80  | 55   |
|               | Height               |     | 350 | 350 | 300 | 250  |

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## FOUNDATION DRAWING



Since 1977

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