

## Shantou MengXing Package Machinery CO.,LTD.

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### MFC9070 3 Stations Pressure & Vacuum Forming Machine

#### **Usage:**

The machine is designed for producing various of open-wide plastic containers, such as food trays, plastic trays, cosmetic trays , blister , clamshells , plates and other plastic related items .

#### **Suitable Sheet:**

PVC,PP,PS,OPS,PET,APET,PETG, CPET Etc

#### **Structure Features:**

1. Mechanical, pneumatic and electrical combination, all working actions are controlled by PLC. Touch screen makes the operation convenient and easy.
2. Pressure And/Or Vacuum forming.
3. Up and down mold forming method.
4. Servo motor feeding, feeding length can be step-less adjusted. High speed and accurate.
5. Upper & lower heater, three sections heating
6. Heater with intellectual temperature control system, automatic supply the heating individual heater control. Fast heating(3 min from 0-400 degree), it won't be effected by outer voltage.
7. Forming and cutting unit mold open and close controlled by servo motor, products automatically count.
8. Data memorization function can store 120 set of running data.
9. Stacking type: downward stacking.
10. Feeding width can be synchronously or independently adjusted in electrical way.
11. Heater will automatically push-out when the sheet is over heated.
12. Quick mold change system, Auto roll sheet loading, reduce the working load.



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### Technical Parameter:

|                                     |                               |                         |
|-------------------------------------|-------------------------------|-------------------------|
| Sheet width (mm)                    |                               | 590-940                 |
| Sheet thickness (mm)                |                               | 0.1-1.5                 |
| Max roll sheet diameter (mm)        |                               | 800                     |
| Forming mold stroke (mm)            |                               | (Up ) 170, (down) 170   |
| Mold clamping force ( ton )         |                               | 80                      |
| Max forming area (mm <sup>2</sup> ) |                               | 900×700                 |
| Min forming area (mm <sup>2</sup> ) |                               | 550×400                 |
| Forming mold width (mm)             |                               | 550-900                 |
| Forming mold length (mm)            |                               | 400-700                 |
| Max forming depth/height (mm)       |                               | 155 / 155               |
| Cutting mold stroke(mm)             |                               | (up)170, (down)170      |
| Max cutting area (mm <sup>2</sup> ) |                               | 900×700                 |
| Cutting force ( ton )               |                               | 90                      |
| Cycle (time/ min)                   |                               | Downward Stacking Max40 |
| Cooling                             |                               | Water cooling           |
| Air supply                          | volume (m <sup>3</sup> / min) | ≥2                      |
|                                     | Air pressure (MPa)            | 0.8                     |
| Vacuum pump                         |                               | Busch R5 0100           |
| Power supply                        |                               | 3 phase 4 line 380V50Hz |
| Heater power (kw)                   |                               | 145                     |
| Max general power (kw)              |                               | 190                     |
| Dimension (L×W×H) (mm)              |                               | 13400×3000×3230         |
| Weight ( T )                        |                               | ≈25                     |



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### Technical Components:

|  |                           |
|--|---------------------------|
| PLC  | Taiwan Delta              |
| Touch Screen Monitor ( 15"inch /Color )          | Taiwan Delta              |
| Feeding servo motor ( 5.5kw )                    | Taiwan Delta              |
| Forming up/down mold servo motor ( 7.5kw/7.5kw ) | Taiwan Delta              |
| Cutting up/down mold servo motor ( 7.5kw/7.5kw ) | Taiwan Delta              |
| Stacking servo motor(3kw)                        | Taiwan Delta              |
| Heater(288 pcs)                                  | Germany Elstein           |
| Contactator                                      | Germany Siemens           |
| Thermo Relay                                     | Germany Siemens           |
| Relay  | Germany Weidmuller        |
| SSR  | Switzerland Carlo Gavazzi |
| Vacuum Pump                                      | Germany Busch             |
| Feeding Chain                                    | Italy Regina              |
| Automatic Lubrication System                     | Taiwan ChenYing           |
| Electronic pressure sensor                       | Taiwan Delta              |
| Pneumatic  | JAPAN SMC                 |
| Cylinder   | JAPAN SMC & Taiwan Airtac |