

OUR BRANDS



HYBRID ELECTRIC INJECTION MOLDING MACHINE
EMD SERIES



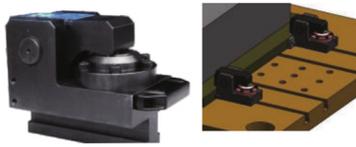
PLASTIC INJECTION
BLOW MOLDING MACHINE



PICK AND PLACE
SERVO ROBOTS



HYDRAULIC QUICK MOLD
CHANGE SYSTEM



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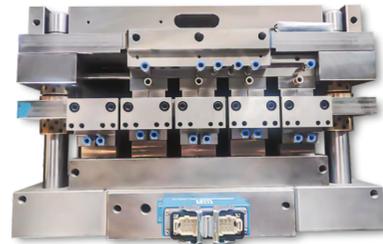


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For constant improvement upon reach, our company reserves the right to change the design parameters and configurations. No notice will be given for any change.



DOUBLE-STATION INJECTION BLOWING MOLD



HYBRID ELECTRIC INJECTION MOLDING MACHINE
EMD SERIES
INJECTION SPEED 300 MM PER SECOND

Hybrid Electric Injection Molding Machine Parameters



| SPECIFICATION | EMD100 | | | EMD140 | | | EMD200 | | | EMD230 | | | |
|----------------------|--------------------|------|-----|--------|------|-----|--------|------|-----|--------|-------|-----|------|
| | A | B | C | A | B | C | A | B | C | A | B | C | |
| INJECTION UNIT | | | | | | | | | | | | | |
| Screw Diameter | mm | 25 | 28 | 32 | 32 | 36 | 40 | 36 | 40 | 45 | 40 | 45 | 50 |
| Screw L/D ratio | L/D | 24.6 | 22 | 19.2 | 24.8 | 22 | 20 | 24.4 | 22 | 20 | 24.75 | 22 | 19.8 |
| Shot volume | Cm ³ | 54 | 68 | 88.5 | 120 | 152 | 188 | 203 | 251 | 318 | 251 | 318 | 392 |
| Injection weight(PS) | g | 49 | 62 | 80.5 | 109 | 139 | 171 | 185 | 228 | 289 | 228 | 289 | 357 |
| Injection speed | mm/s | 300 | | | 300 | | | 300 | | | 300 | | |
| Injection rate | Cm ³ /s | 147 | 183 | 240 | 240 | 300 | 375 | 300 | 375 | 470 | 375 | 470 | 580 |
| Injection pressure | Mpa | 275 | 220 | 168 | 240 | 190 | 154 | 272 | 220 | 175 | 278 | 220 | 178 |
| Injection stroke | mm | 110 | | | 150 | | | 200 | | | 200 | | |
| Screw Speed | rpm | 400 | | | 400 | | | 400 | | | 400 | | |

CLAMPING UNIT

| | | | | | |
|------------------------------|----|---------|---------|---------|---------|
| Clamp force | KN | 1000 | 1400 | 2000 | 2300 |
| Open stroke | mm | 330 | 400 | 435 | 485 |
| Space between tie bars (WxH) | mm | 370x370 | 430x430 | 480x480 | 530x530 |
| Max mold thickness | mm | 400 | 480 | 535 | 550 |
| Min mold thickness | mm | 150 | 160 | 180 | 200 |
| Dia of mold location hole | mm | 100 | 100 | 125 | 125 |
| Ejector Stroke | mm | 100 | 130 | 145 | 142 |
| Ejector Force | KN | 31 | 45 | 53 | 70 |
| Ejection Number | PC | 5 | 5 | 5 | 9 |

CLAMPING UNIT

| | | | | | |
|----------------------------|-----|--------------|--------------|---------------|--------------|
| Max pump pressure | Mpa | 16 | 16 | 16 | 16 |
| Pump motor power | KW | 12 | 18.5 | 18.5 | 23 |
| Total motor power | KW | 41 | 52 | 67 | 76 |
| Heating power | KW | 8.8 | 10 | 11 | 13 |
| Machine dimension (L*W*H*) | m | 4.4x1.3x1.65 | 4.5x1.35x1.9 | 5.13x1.45x2.1 | 5.6x1.5x1.22 |
| Machine weight | ton | 3.8 | 4.6 | 6 | 7 |

DOUBLE-STATION INJECTION BLOWING MOLD

Main Technical Paramters

| | 15ml BODY DIA 28mm | 40ml BODY DIA 34mm | 60ml BODY DIA 40mm | 100ml BODY DIA 45mm | 150ml BODY DIA 50mm | 200ml BODY DIA 55mm |
|---|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|
| 160T INJECTION MACHINE (1 INJ 2 BLOW) | 9cav/9s | 8cav/10s | 7cav/10s | 7cav/11s | 6cav/12s | 6cav/13s |
| 200T INJECTION MACHINE (1 INJ 2 BLOW) | 12cav/9s | 10cav/10s | 9cav/10s | 8cav/11s | 8cav/12s | 7cav/13s |
| 200T INJECTION MACHINE (2 INJ 3 BLOW) | 20cav/12s | 18cav/14s | 16cav/16s | 12cav/17s | 12cav/18s | 10cav/20s |
| 250T INJECTION MACHINE (2 INJ 3 BLOW) | 24cav/12s | 22cav/14s | 20cav/16s | 16cav/17s | 14cav/18s | 12cav/20s |
| 320T INJECTION MACHINE (2 INJ 3 BLOW) | 28cav/12s | 26cav/14s | 24cav/16s | 18cav/17s | 16cav/18s | 14cav/20s |
| 380T INJECTION MACHINE (2 INJ 3 BLOW) | 32cav/12s | 28cav/14s | 26cav/16s | 20cav/17s | 18cav/18s | 16cav/20s |

Benefits at a glance:

- High output: Optimized design, high output of single machine.
- Strong clamping force: Using the advantages of large clamping force of the injection molding machine, it ensures that the injection preform has high density and stable quality.
- Energy saving and environmental protection: Compared with the three-station injection blowing machine, the installed power of the injection molding machine is lower, which significantly reduces energy consumption.
- No need for mold temperature controller: The mold temperature is balanced, which effectively reduces the temperature of the workshop and creates a more comfortable working environment.
- Cooperate with injection blowing integrated injection molding machine: The equipment can not only produce injection molding parts but also injection blow molding, and the mold can also be produced on the existing injection molding machine by adding a mold controller.
- No leakage nozzle: The exquisite design ensures that there is no black line at the gate and improves the appearance quality of the product.
- Seamless preform: Avoid stretching in the process of three-station injection and blowing, and ensure that there are no black lines on the surface of the product.
- No oil leakage: The preform injection mold cavity adopts insert structure, which avoids the possibility of oil leakage in the preform injection mold of the three-station injection blowing mold.
- Precise clamping line: No double line generation, accurate alignment of clamping line, improve the overall aesthetics of the product.
- Flat bottle mouth: The design ensures that the bottle mouth is flat and has no vertical flash, which is convenient for sealing operation.
- Uniform cooling: The circumferential cooling design of the bottle body ensures the roundness of the product and improves the appearance quality.
- Precise weight control: The gate pressure of the hot runner design is balanced, so that the weight error of the finished product can be controlled within 0.1 grams, so as to ensure the consistency of product quality.
- Reliable demolding: Push tube is used for demolding, and the demolding is stable and will not damage the bottle mouth and bottle body.
- Reasonable mold structure: The mold avoids the rotation mechanism which is conducive to improving the core temperature control structure, and is suitable for the production of different varieties of plastic injection and blow bottles.
- Simple mold operation: Compared with the three-station injection blowing machine, the mold production and debugging process is simple.

Note: The above parameters are for reference only, the actual machine is provided for adjusting parameters, due to equipment improvement without prior notice.