



# **VERTICAL INJECTION MOLDING MACHINE**

**V SERIES**  
SINGLE SLIDE PLATEN



# Delicacy-perfection V series injection molding machine

1. Occupy minimum space, exquisite and nimble, it can reduce cost and promote the product quality.
2. Adopt slider design, easy operation, it is suitable for inserting molding.
3. Adopt "light curtain" safety system to promote the operator safety.

## TECHNICAL DATA

| MODEL          |                           |       | V300         |      |      | V450        |      |      | V550      |      |      | V850        |      |      | V1200       |      |      | V1500       |      |      |
|----------------|---------------------------|-------|--------------|------|------|-------------|------|------|-----------|------|------|-------------|------|------|-------------|------|------|-------------|------|------|
| ITEM           |                           |       |              |      |      |             |      |      |           |      |      |             |      |      |             |      |      |             |      |      |
| INJECTION UNIT | Screw symbol              |       | A            | B    | C    | A           | B    | C    | A         | B    | C    | A           | B    | C    | A           | B    | C    | A           | B    | C    |
|                | Screw diameter            | mm    | 24           | 26   | 28   | 26          | 28   | 30   | 30        | 34   | 38   | 34          | 38   | 42   | 38          | 42   | 48   | 42          | 48   | 52   |
|                | Injection pressure        | bar   | 1956         | 1667 | 1437 | 1988        | 1714 | 1493 | 2030      | 1580 | 1265 | 2064        | 1652 | 1353 | 2421        | 1982 | 1517 | 1982        | 1517 | 1293 |
|                | Theoretical shot volume   | cm³   | 45           | 53   | 61   | 63          | 73   | 84   | 106       | 136  | 170  | 154         | 192  | 235  | 226         | 277  | 362  | 304         | 398  | 467  |
|                | Shot weight(PS)           | g     | 40           | 47   | 54   | 56          | 65   | 75   | 95        | 122  | 153  | 138         | 172  | 211  | 204         | 249  | 325  | 273         | 358  | 420  |
|                | Injection rate            | cm³/s | 32           | 38   | 44   | 38          | 44   | 51   | 56        | 72   | 90   | 73          | 91   | 112  | 87          | 117  | 140  | 129         | 169  | 198  |
|                | Screw revolution          | rpm   | 220          |      |      | 220         |      |      | 220       |      |      | 220         |      |      | 200         |      |      | 200         |      |      |
|                | Temperature controller    |       | 1+3          |      |      | 1+3         |      |      | 1+3       |      |      | 1+3         |      |      | 1+3         |      |      | 1+3         |      |      |
| CLAMPING UNIT  | Mold Clamping force       | kn    | 300          |      |      | 450         |      |      | 600       |      |      | 850         |      |      | 1200        |      |      | 1500        |      |      |
|                | Opening stroke            | mm    | 200          |      |      | 200         |      |      | 250       |      |      | 280         |      |      | 280         |      |      | 280         |      |      |
|                | Space between tie bars    | mm    | 355X205      |      |      | 410X250     |      |      | 510X300   |      |      | 560X340     |      |      | 610X380     |      |      | 660X420     |      |      |
|                | Mold platen               | mm    | 510X350      |      |      | 570X400     |      |      | 680X500   |      |      | 750X550     |      |      | 820X600     |      |      | 900X650     |      |      |
|                | Slide platen              | mm    | 350X350      |      |      | 400X400     |      |      | 500X500   |      |      | 550X550     |      |      | 600X600     |      |      | 650X650     |      |      |
|                | Min. Mold height          | mm    | 140          |      |      | 150         |      |      | 200       |      |      | 220         |      |      | 250         |      |      | 280         |      |      |
|                | Daylight opening          | mm    | 340          |      |      | 350         |      |      | 450       |      |      | 500         |      |      | 530         |      |      | 560         |      |      |
|                | Ejector stroke            | mm    | 90           |      |      | 90          |      |      | 90        |      |      | 130         |      |      | 150         |      |      | 150         |      |      |
| OTHER          | Ejector force             | kn    | 15           |      |      | 15          |      |      | 15        |      |      | 32          |      |      | 32          |      |      | 32          |      |      |
|                | Pump driving motor        | kW/HP | 3.7 / 5      |      |      | 5.5 / 7.5   |      |      | 7.5 / 10  |      |      | 11 / 15     |      |      | 15 / 20     |      |      | 18.5 / 25   |      |      |
|                | Heater                    | kW    | 4.45         |      |      | 4.8         |      |      | 5.4       |      |      | 6           |      |      | 7.2         |      |      | 7.8         |      |      |
|                | Machine weight            | kg    | 1100         |      |      | 2000        |      |      | 2800      |      |      | 3800        |      |      | 4800        |      |      | 5800        |      |      |
|                | Machine dimensions(LxWxH) | m     | 1.7X1.2X2.37 |      |      | 1.8X1.3X2.7 |      |      | 2X1.5X3.5 |      |      | 2.3X1.7X4.2 |      |      | 2.4X1.8X4.3 |      |      | 2.5X1.9X4.5 |      |      |
|                | Oil tank capacity         | l     | 100          |      |      | 130         |      |      | 150       |      |      | 180         |      |      | 200         |      |      | 250         |      |      |

Remarks: Due to continual improvements, specifications are subject to change without notice.



**DER GANG MACHINERY CO., LTD.**

42, LANE 349, CHUNG CHENG SOUTH ROAD, YUNG KANG CITY, TAINAN HSIEN 710, TAIWAN

TEL:886-6-2536886~9 2538588

FAX:886-6-2538587

<http://www.dergang.com.tw>

E-mail:[der.gang@msa.hinet.net](mailto:der.gang@msa.hinet.net)