

讓中國裝備科技與世界同步
WE WALK ALONGSIDE THE WORLD

股票代碼 : 300415
Stock Code

YIZUMI 伊之密

Designed by Yizumi in September 2018

PET

Injection Molding Machine For PET Preform

(120T-480T)

PET瓶胚專用注塑機

廣東伊之密精密注壓科技有限公司

Guangdong Yizumi Precision Injection Molding and Die Casting Technology Co., Ltd.

地址：中國廣東省佛山市順德區大良五沙居委會順昌路12號

Address: No.12, Shunchang Road, Daliang, Shunde, Foshan, Guangdong Province, China 528306

TEL: 86-757-2926 2215 Email: imm@yizumi.com www.yizumi.com



PET瓶胚專用注塑機

Injection Molding Machine For PET Preform

- PET專用塑化組件，L/D比為22：1~24：1，保證低剪切條件下的高速優質塑化；
- 加大功率油泵電機配置，可實現高效生產，比常規機器速度加快20%；
- 加大型冷卻水運水裝置，確保PET產品的透明度；
- 可提供模具、注塑機、周邊輔機整體配套。

- Special PET plasticizing components with L/D ratio of 22:1~24:1, ensures high quality plasticizing under low shearing.
- Enlarged motor and pump, greatly enhances machine operation speed by 20%.
- Enlarged transmitting devices for cooling water secures preform transparency.
- Turn-key solutions including injection molding machine, mold and auxiliary equipments can be provided.



UN160A5-PET ~ UN480A5-PET
技術參數表 Specifications

| 說明 | DESCRIPTION | UNIT | UN160A5-PET | UN200A5-PET | UN260A5-PET | UN320A5-PET | UN400A5-PET | UN480A5-PET | | |
|----------------------------|------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|--------|
| 國際標準規格 | International specification | | 604/1600 | 895/2000 | 1269/2600 | 1885/3200 | 2693/4000 | 3330/4800 | | |
| 射膠機構 INJECTION UNIT | | | | | | | | | | |
| 理論注射容積 | Shot volume | cm ³ | 452.3 | 664 | 962.4 | 1338.2 | 1634 | 1828.8 | 2193.7 | 2459.6 |
| 實際注射量 | Shot weight (PET) | g(克) | 484 | 711 | 1030 | 1432 | 1749 | 1957 | 2347 | 2632 |
| | | oz(盎司) | 17.1 | 25.1 | 36.3 | 50.5 | 61.7 | 69 | 82.7 | 92.8 |
| 螺桿直徑 | Screw diameter | mm | 53 | 60 | 68 | 76 | 84 | 84 | 92 | 92 |
| 射膠壓力 | Injection pressure | MPa | 133.6 | 134.8 | 131.8 | 141 | 115 | 147.3 | 122.8 | 135.5 |
| 射膠速率 | Injection rate | g/s | 275 | 370 | 473 | 553 | 675 | 610 | 732 | 663 |
| 螺桿長度直徑比 | Screw L:D ratio | | 22:1 | 24:1 | 24:1 | 24:1 | 22:1 | 24:1 | 22:1 | 24:1 |
| 最大注射速度 | Max. injection speed | mm/s | 117 | 122 | 122 | 114 | 114 | 103 | 103 | 92 |
| 螺桿行程 | Screw stroke | mm | 205 | 235 | 265 | 295 | 295 | 330 | 330 | 370 |
| 螺桿轉速 | Screw speed(stepless) | r/min | 0-197 | 0-200 | 0-200 | 0-156 | 0-125 | 0-120 | 0-102 | 0-103 |
| 鎖模機構 CLAMPING UNIT | | | | | | | | | | |
| 鎖模力 | Clamping force | kN | 1600 | 2000 | 2600 | 3200 | 4000 | 4800 | | |
| 開模行程 | Opening stroke | mm | 420 | 490 | 530 | 640 | 700 | 780 | | |
| 導柱內距(WxH) | Space between tie bars | mmxmm | 460x460 | 530x530 | 610x570 | 710x670 | 760x710 | 830x810 | | |
| 模板最大距離 | Max. daylight | mm | 940 | 1040 | 1140 | 1300 | 1430 | 1590 | | |
| 容模量(最薄-最厚) | Mold thickness | mm | 160-520 | 180-550 | 195-610 | 220-660 | 240-730 | 260-810 | | |
| 油壓頂出行程 | Hydraulic ejection stroke | mm | 140 | 150 | 160 | 170 | 210 | 220 | | |
| 頂出孔數量 | Ejector number | | 5 | 5 | 13 | 13 | 13 | 17 | | |
| 油壓頂出力 | Hydraulic ejection force | kN | 42 | 77 | 137 | 137 | 166 | 166 | | |
| 動力/電熱 POWER UNIT | | | | | | | | | | |
| 油壓系統壓力 | Hydraulic system pressure | Mpa | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | | |
| 油泵馬達 | Pump motor | kW | 22 | 36 | 39.4 | 55 | 70 | 70 | | |
| 電熱量 | Heating capacity | kW | 14.2 | 20.1 | 24.7 | 32.8 | 38 | 40 | | |
| 溫度控制區數 | Number of temp control zones | | 5 | 6 | 6 | 6 | 6 | 6 | | |
| 其它 GENERAL UNIT | | | | | | | | | | |
| 油箱容量 | Oil tank capacity | L | 220 | 255 | 335 | 445 | 570 | 760 | | |
| 機械外形尺寸(LxWxH) | Machine dimensions(LxWxH) | mxmxxm | 5.35x1.37x2.02 | 5.82x1.45x2.09 | 6.52x1.64x2.39 | 7.21x1.85x2.50 | 7.91x2.16x2.45 | 8.59x2.21x2.49 | | |
| 機重 | Machine weight | kg | 5000 | 6500 | 8500 | 13500 | 16000 | 20500 | | |

備註：1. 理論注射容積=注塑機料筒截面積×注射行程 2. 實際注射量=理論注射容積×1.07 (以PET計算) 3. 正常情況下改善規格參數，恕不另行通知

配套伊之密自製PET模具

Yizumi-made PET Preform Mold



16腔 16 cavities 32腔 32 cavities 48腔 48 cavities 72腔 72 cavities 零部件 Mold Parts



UN90SK-PET ~ UN480SK-PET
技術參數表 Specifications

| 說明 | DESCRIPTION | UNIT | UN120SK-PET | UN160SK-PET | UN200SK-PET | UN260SK-PET | UN320SK-PET | UN400SK-PET | UN480SK-PET | | |
|----------------------------|------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|--------|
| 國際標準規格 | International specification | | 392/1200 | 604/1600 | 895/2000 | 1269/2600 | 1885/3200 | 2693/4000 | 3330/4800 | | |
| 射膠機構 INJECTION UNIT | | | | | | | | | | | |
| 理論注射容積 | Shot volume | cm ³ | 307.6 | 452.3 | 664 | 962.4 | 1338.2 | 1634 | 1828.8 | 2193.7 | 2459.6 |
| 實際注射量 | Shot weight (PET) | g(克) | 329 | 484 | 711 | 1030 | 1432 | 1749 | 1957 | 2347 | 2632 |
| | | oz(盎司) | 11.6 | 17.1 | 25.1 | 36.3 | 50.5 | 61.7 | 69.0 | 82.7 | 92.8 |
| 螺桿直徑 | Screw diameter | mm | 48 | 53 | 60 | 68 | 76 | 84 | 84 | 92 | 92 |
| 射膠壓力 | Injection pressure | MPa | 127.6 | 133.6 | 134.8 | 131.8 | 141 | 115 | 147.3 | 122.8 | 135.5 |
| 射膠速率 | Injection rate | g/s | - | - | - | - | - | - | - | - | - |
| 螺桿長度直徑比 | Screw L:D ratio | | 22:1 | 22:1 | 24:1 | 24:1 | 24:1 | 22:1 | 24:1 | 22:1 | 24:1 |
| 最大注射速度 | Max. injection speed | mm/s | 103 | 101 | 100 | 89 | 97 | 97 | 94 | 94 | 103 |
| 螺桿行程 | Screw stroke | mm | 170 | 205 | 235 | 265 | 295 | 295 | 330 | 330 | 370 |
| 螺桿轉速 | Screw speed(stepless) | r/min | 0-233 | 0-170 | 0-163 | 0-146 | 0-132 | 0-105 | 0-110 | 0-93 | 0-115 |
| 鎖模機構 CLAMPING UNIT | | | | | | | | | | | |
| 鎖模力 | Clamping force | kN | 1200 | 1600 | 2000 | 2600 | 3200 | 4000 | 4800 | | |
| 開模行程 | Opening stroke | mm | 340 | 410 | 460 | 530 | 580 | 660 | 760 | | |
| 導柱內距(WxH) | Space between tie bars | mmxmm | 410x370 | 455x435 | 510x510 | 570x570 | 670x670 | 710x710 | 810x810 | | |
| 模板最大距離 | Max. daylight | mm | 740 | 870 | 980 | 1100 | 1240 | 1390 | 1570 | | |
| 容模量(最薄-最厚) | Mold thickness | mm | 145-400 | 160-460 | 180-520 | 195-610 | 220-660 | 240-730 | 260-810 | | |
| 油壓頂出行程 | Hydraulic ejection stroke | mm | 120 | 140 | 140 | 180 | 190 | 210 | 220 | | |
| 頂出孔數量 | Ejector number | | 5 | 5 | 5 | 9 | 9 | 13 | 13 | | |
| 油壓頂出力 | Hydraulic ejection force | kN | 42 | 42 | 77 | 124 | 137 | 125 | 125 | | |
| 動力/電熱 POWER UNIT | | | | | | | | | | | |
| 油壓系統壓力 | Hydraulic system pressure | Mpa | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | | |
| 油泵馬達 | Pump motor | kW | 15 | 18.5 | 22 | 30 | 37 | 45 | 55 | | |
| 電熱量 | Heating capacity | kW | 12.1 | 14.2 | 20.1 | 24.7 | 32.8 | 38 | 40 | | |
| 溫度控制區數 | Number of temp control zones | | 5 | 5 | 6 | 6 | 6 | 6 | 6 | | |
| 其它 GENERAL UNIT | | | | | | | | | | | |
| 油箱容量 | Oil tank capacity | L | 235 | 260 | 270 | 470 | 635 | 1000 | 1100 | | |
| 機械外形尺寸(LxWxH) | Machine dimensions(LxWxH) | mxmxxm | 4.24x1.09x2.02 | 4.92x1.17x2.14 | 5.52x1.26x2.16 | 6.22x1.53x2.44 | 6.92x1.62x2.50 | 7.79x1.74x2.57 | 8.71x1.85x2.66 | | |
| 機重 | Machine weight | kg | 3420 | 4570 | 5800 | 8600 | 11000 | 14500 | 19500 | | |

Note: 1. Shot volume=barrel sectional area × injection stroke 2. Shot weight=shot volume × 1.07(according to PET) 3. Specifications may be changed without prior notice