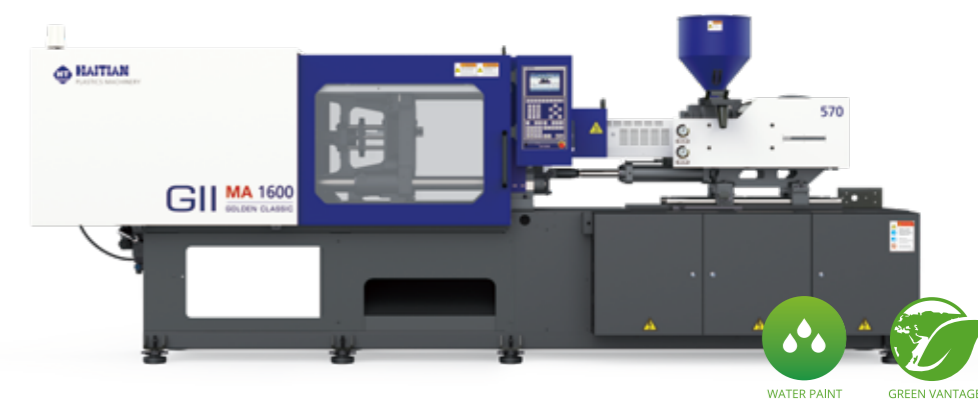


**HAITIAN PLASTICS MACHINERY GROUP CO., LTD**  
No.1688, Haitian Road, Xiaogang, Beilun, Ningbo, Zhejiang,  
China 315801  
+ 86-574-8617 7005 (China)  
+ 86-574-8617 7242 (International)  
haitian@mail.haitian.com  
www.haitianpm.com

**NINGBO HAITIAN HUAYUAN MACHINERY CO.,LTD.**  
No.1, Nanhuan Road, Export Processing Zone, Beilun,  
Ningbo, Zhejiang, 315806 P.R. China  
+86-574-8617 7242  
+86-574-8622 1864  
haitian@mail.haitian.com  
www.haitianpm.com



## HAITIAN MA/GII SERIES

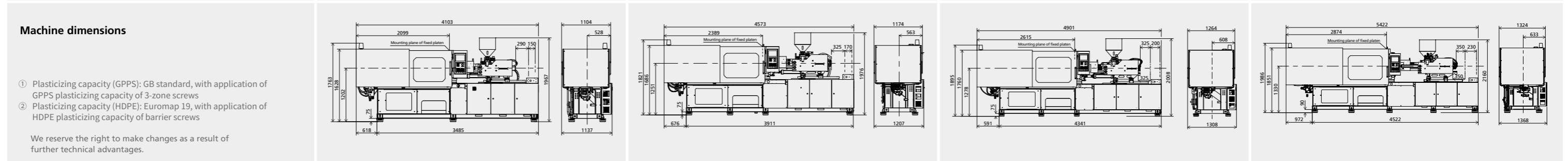
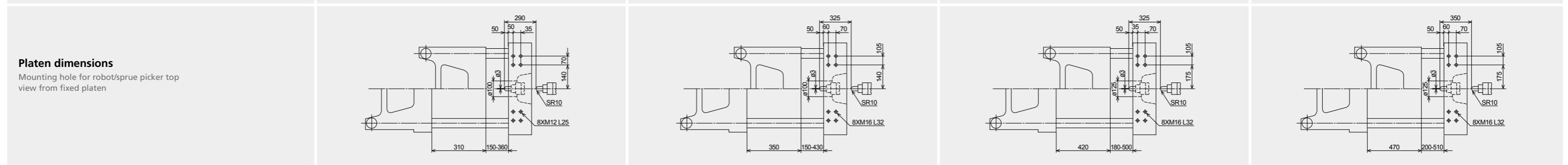
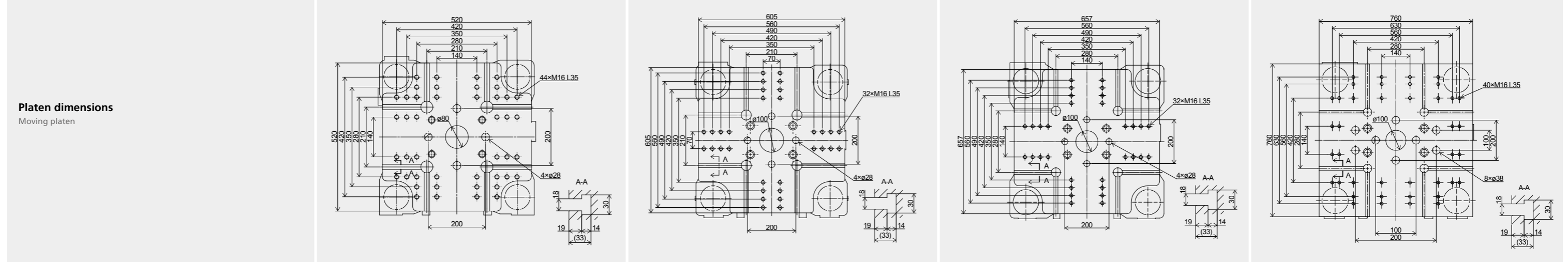
Specifications  
860 - 10,000 kN



# SPECIFICATION

TECHNICAL DATA  
MACHINE TYPE

|                                |                 | MA860/280GII   |      |      | MA1200/400GII  |      |      | MA1600/570GII |      |      | MA2000/770GII  |      |      |
|--------------------------------|-----------------|----------------|------|------|----------------|------|------|---------------|------|------|----------------|------|------|
|                                |                 | A              | B    | C    | A              | B    | C    | A             | B    | C    | A              | B    | C    |
| <b>INJECTION UNIT</b>          |                 |                |      |      |                |      |      |               |      |      |                |      |      |
| Screw diameter                 | mm              | 32             | 36   | 40   | 36             | 40   | 45   | 40            | 45   | 50   | 45             | 50   | 55   |
| Screw L/D ratio                |                 | 22.5           | 20   | 18   | 23.3           | 21   | 18.7 | 22.5          | 20   | 18   | 22.2           | 20   | 18.2 |
| Injection volume (theoretical) | cm <sup>3</sup> | 120            | 152  | 188  | 173            | 213  | 270  | 252           | 319  | 394  | 365            | 451  | 546  |
| Injection weight (PS)          | g               | 109            | 138  | 171  | 157            | 194  | 246  | 229           | 290  | 359  | 332            | 410  | 497  |
| Injection rate                 | g/s             | 74             | 94   | 116  | 93             | 115  | 146  | 112           | 141  | 175  | 152            | 187  | 227  |
| Injection pressure             | MPa             | 237            | 187  | 151  | 231            | 187  | 147  | 226           | 178  | 145  | 213            | 172  | 142  |
| Plasticizing rate (GPPS) ①     | g/s             | 9.9            | 11.3 | 13.9 | 10.4           | 12.7 | 16.5 | 13.8          | 17.7 | 21.1 | 17.5           | 21.0 | 25.9 |
| Plasticizing rate (HDPE) ②     | g/s             | -              | -    | -    | -              | -    | -    | -             | -    | -    | -              | -    | -    |
| Screw speed                    | rpm             | 0-235          |      |      | 0-215          |      |      | 0-205         |      |      | 0-175          |      |      |
| <b>CLAMPING UNIT</b>           |                 |                |      |      |                |      |      |               |      |      |                |      |      |
| Clamping force                 | kN              | 860            |      |      | 1200           |      |      | 1600          |      |      | 2000           |      |      |
| Mold opening stroke            | mm              | 310            |      |      | 350            |      |      | 420           |      |      | 470            |      |      |
| Dist. between tie bars (HxV)   | mm              | 360x360        |      |      | 410x410        |      |      | 470x470       |      |      | 510x510        |      |      |
| Mold height max.               | mm              | 360            |      |      | 430            |      |      | 500           |      |      | 510            |      |      |
| Mold height min.               | mm              | 150            |      |      | 150            |      |      | 180           |      |      | 200            |      |      |
| Ejector stroke                 | mm              | 100            |      |      | 120            |      |      | 140           |      |      | 140            |      |      |
| Ejector force                  | kN              | 33             |      |      | 33             |      |      | 33            |      |      | 62             |      |      |
| <b>OTHERS</b>                  |                 |                |      |      |                |      |      |               |      |      |                |      |      |
| Pump motor power               | kW              | 13             |      |      | 15             |      |      | 18.5          |      |      | 22             |      |      |
| Heater power                   | kW              | 8.1            |      |      | 11.75          |      |      | 11.75         |      |      | 16             |      |      |
| Machine dimension (LxWxH)      | m               | 4.11x1.14x1.97 |      |      | 4.58x1.21x1.98 |      |      | 4.91x1.31x2.0 |      |      | 5.43x1.37x2.16 |      |      |
| Machine weight                 | t               | 3              |      |      | 4.1            |      |      | 4.9           |      |      | 6.3            |      |      |
| Hopper capacity                | kg              | 25             |      |      | 25             |      |      | 50            |      |      | 50             |      |      |
| Oil tank                       | l               | 130            |      |      | 155            |      |      | 185           |      |      | 235            |      |      |

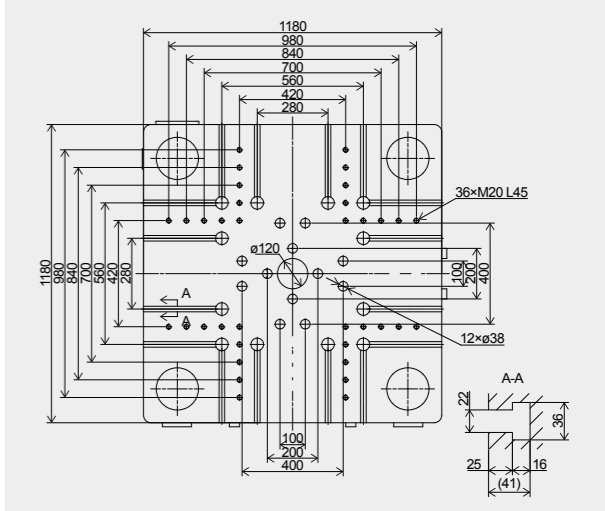
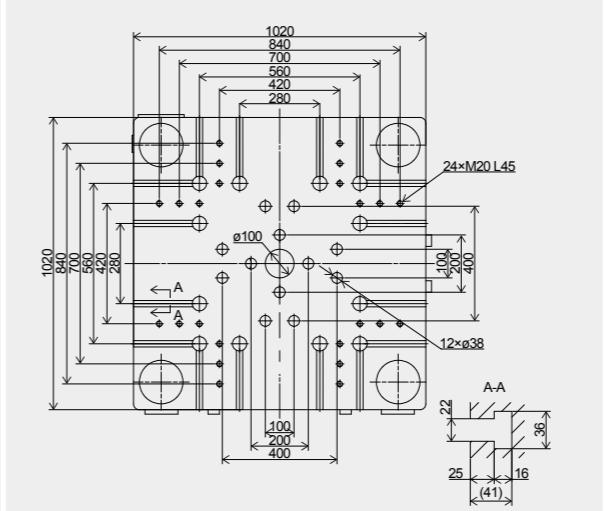
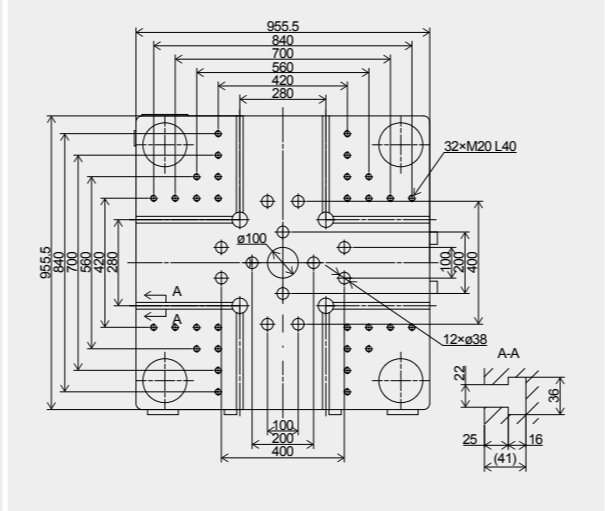
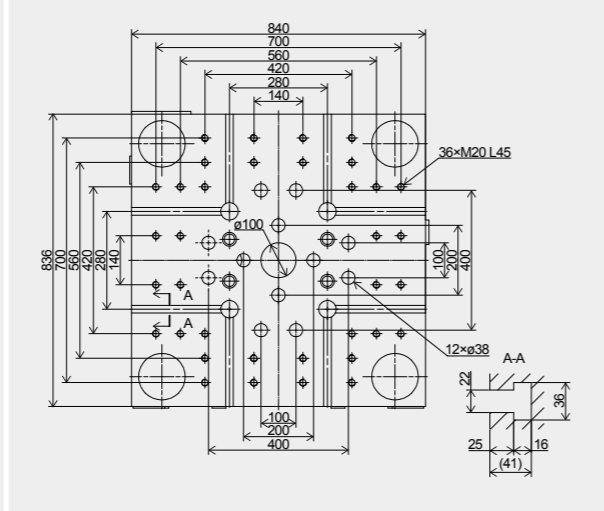


# SPECIFICATION

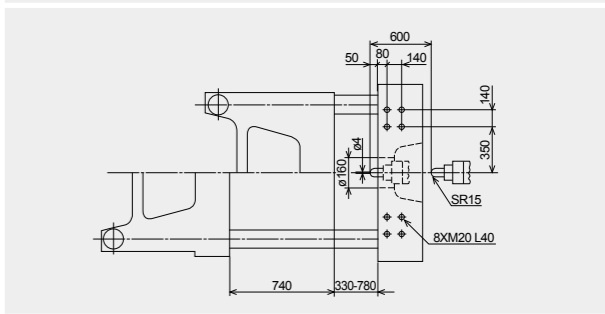
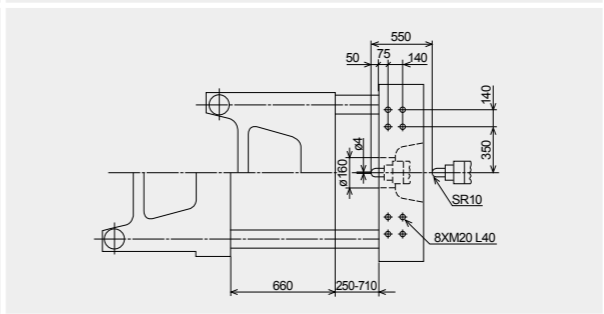
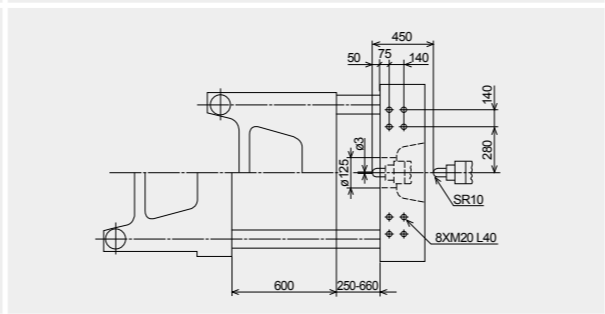
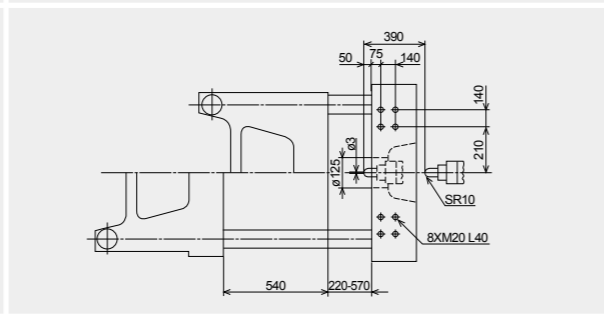
TECHNICAL DATA  
MACHINE TYPE

|                                |                 | MA2500/1000GII |      |      | MA3000/1800GII |      |      | MA3600/2250GII |      |      | MA4500/3200GII |      |      |
|--------------------------------|-----------------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|
|                                |                 | A              | B    | C    | A              | B    | C    | A              | B    | C    | A              | B    | C    |
| <b>INJECTION UNIT</b>          |                 |                |      |      |                |      |      |                |      |      |                |      |      |
| Screw diameter                 | mm              | 50             | 55   | 60   | 60             | 65   | 70   | 65             | 70   | 80   | 70             | 80   | 90   |
| Screw L/D ratio                | L/D             | 22             | 20   | 18.3 | 21.7           | 20   | 18.6 | 21.5           | 20   | 17.5 | 22.9           | 20   | 17.8 |
| Injection volume (theoretical) | cm <sup>3</sup> | 496            | 601  | 715  | 848            | 995  | 1154 | 1068           | 1239 | 1618 | 1423           | 1859 | 2353 |
| Injection weight (PS)          | g               | 452            | 546  | 650  | 771            | 905  | 1050 | 972            | 1127 | 1472 | 1295           | 1692 | 2141 |
| Injection rate                 | g/s             | 173            | 209  | 249  | 241            | 283  | 328  | 316            | 366  | 478  | 351            | 459  | 580  |
| Injection pressure             | MPa             | 213            | 176  | 148  | 211            | 181  | 155  | 203            | 176  | 135  | 226            | 174  | 137  |
| Plasticizing rate (GPPS) ①     | g/s             | 21.6           | 26.6 | 30.3 | 32.8           | 37.2 | 43.7 | 40.4           | 47.4 | 62   | 48.8           | 63.9 | 78.2 |
| Plasticizing rate (HDPE) ②     | g/s             | -              | -    | -    | 59.2           | 66.6 | 77.7 | 72.5           | 86.3 | 109  | 85.6           | 115  | 150  |
| Screw speed                    | rpm             | 0-175          |      |      | 0-185          |      |      | 0-190          |      |      | 0-185          |      |      |
| <b>CLAMPING UNIT</b>           |                 |                |      |      |                |      |      |                |      |      |                |      |      |
| Clamping force                 | kN              | 2500           |      |      | 3000           |      |      | 3600           |      |      | 4500           |      |      |
| Mold opening stroke            | mm              | 540            |      |      | 600            |      |      | 660            |      |      | 740            |      |      |
| Dist. between tie bars (HxV)   | mm              | 570x570        |      |      | 660x660        |      |      | 710x710        |      |      | 780x780        |      |      |
| Mold height max.               | mm              | 570            |      |      | 660            |      |      | 710            |      |      | 780            |      |      |
| Mold height min.               | mm              | 220            |      |      | 250            |      |      | 250            |      |      | 330            |      |      |
| Ejector stroke                 | mm              | 150            |      |      | 160            |      |      | 160            |      |      | 200            |      |      |
| Ejector force                  | kN              | 62             |      |      | 62             |      |      | 110            |      |      | 110            |      |      |
| <b>OTHERS</b>                  |                 |                |      |      |                |      |      |                |      |      |                |      |      |
| Pump motor power               | kW              | 30             |      |      | 37             |      |      | 45             |      |      | 55             |      |      |
| Heater power                   | kW              | 18.6           |      |      | 25.45          |      |      | 31.3           |      |      | 39.2           |      |      |
| Machine dimension (LxWxH)      | m               | 6.04x1.46x2.22 |      |      | 6.67x1.80x2.38 |      |      | 7.09x1.80x2.34 |      |      | 7.92x1.95x2.55 |      |      |
| Machine weight                 | t               | 7.8            |      |      | 11.3           |      |      | 14.7           |      |      | 18.8           |      |      |
| Hopper capacity                | kg              | 50             |      |      | 50             |      |      | 50             |      |      | 50             |      |      |
| Oil tank                       | l               | 270            |      |      | 420            |      |      | 510            |      |      | 630            |      |      |

**Platen dimensions**  
Moving platen



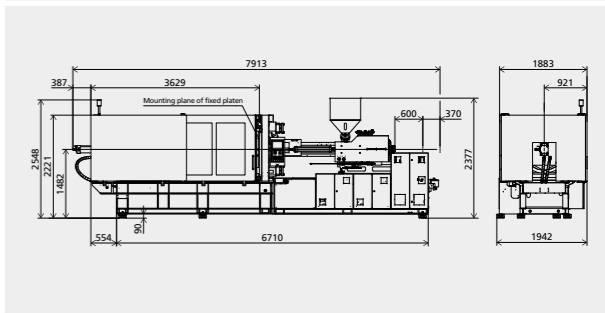
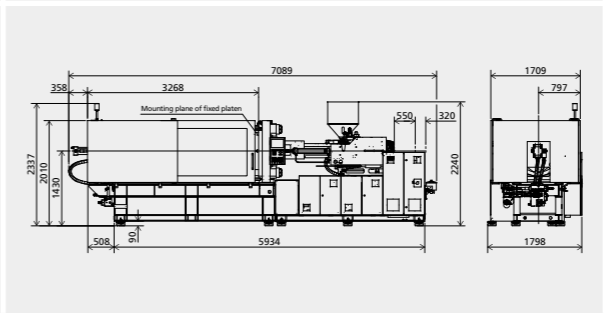
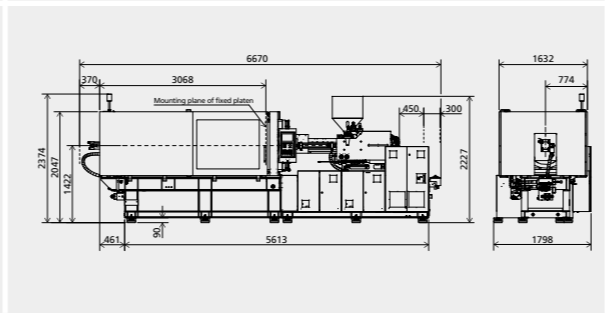
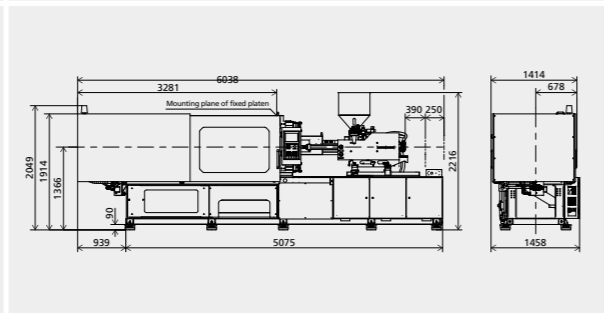
**Platen dimensions**  
Mounting hole for robot/sprue picker top view from fixed platen



**Machine dimensions**

① Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws  
② Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws

We reserve the right to make changes as a result of further technical advantages.



# SPECIFICATION

TECHNICAL DATA  
MACHINE TYPE

|                                |                 | MA5300/4000GII |      |      |      | MA6500/4550GII  |      |      |      | MA7800/6350GII  |      |      |      | MA10000/7950GII |      |      |      |
|--------------------------------|-----------------|----------------|------|------|------|-----------------|------|------|------|-----------------|------|------|------|-----------------|------|------|------|
|                                |                 | A              | B    | C    | D    | A               | B    | C    | D    | A               | B    | C    | D    | A               | B    | C    | D    |
| <b>INJECTION UNIT</b>          |                 |                |      |      |      |                 |      |      |      |                 |      |      |      |                 |      |      |      |
| Screw diameter                 | mm              | 80             | 85   | 90   | 100  | 80              | 90   | 100  | 110  | 90              | 100  | 110  | 120  | 100             | 110  | 120  | 130  |
| Screw L/D ratio                | L/D             | 22             | 20.7 | 19.6 | 17.5 | 24.8            | 22   | 19.8 | 18   | 24.4            | 22   | 20   | 18.3 | 24.2            | 22   | 20.2 | 18.6 |
| Injection volume (theoretical) | cm <sup>3</sup> | 2211           | 2496 | 2799 | 3455 | 2211            | 2799 | 3455 | 4181 | 2799            | 3455 | 4181 | 4976 | 3769            | 4561 | 5428 | 6371 |
| Injection weight (PS)          | g               | 2012           | 2272 | 2547 | 3144 | 2012            | 2547 | 3144 | 3805 | 2547            | 3144 | 3805 | 4528 | 3430            | 4151 | 4940 | 5797 |
| Injection rate                 | g/s             | 454            | 513  | 575  | 710  | 427             | 540  | 667  | 808  | 567             | 700  | 847  | 1008 | 653             | 790  | 940  | 1104 |
| Injection pressure             | MPa             | 199            | 176  | 157  | 127  | 226             | 178  | 144  | 119  | 224             | 182  | 150  | 126  | 217             | 179  | 151  | 128  |
| Plasticizing rate (GPPS) ①     | g/s             | 64.7           | 71.6 | 81.4 | 99.4 | 75.7            | 95   | 117  | 137  | 89.5            | 110  | 130  | 152  | 104             | 125  | 145  | 167  |
| Plasticizing rate (HDPE) ②     | g/s             | 94             | 104  | 118  | 145  | 112             | 142  | 175  | 206  | 132             | 162  | 193  | 224  | 152             | 182  | 107  | 239  |
| Screw speed                    | rpm             | 0-145          |      |      |      | 0-131           |      |      |      | 0-136           |      |      |      | 0-108           |      |      |      |
| <b>CLAMPING UNIT</b>           |                 |                |      |      |      |                 |      |      |      |                 |      |      |      |                 |      |      |      |
| Clamping force                 | kN              | 5300           |      |      |      | 6500            |      |      |      | 7800            |      |      |      | 10000           |      |      |      |
| Mold opening stroke            | mm              | 825            |      |      |      | 900             |      |      |      | 980             |      |      |      | 1120            |      |      |      |
| Dist. between tie bars (HxV)   | mm              | 830x800        |      |      |      | 895x895         |      |      |      | 980x980         |      |      |      | 1090x1090       |      |      |      |
| Mold height max.               | mm              | 850            |      |      |      | 900             |      |      |      | 980             |      |      |      | 1100            |      |      |      |
| Mold height min.               | mm              | 350            |      |      |      | 400             |      |      |      | 400             |      |      |      | 500             |      |      |      |
| Ejector stroke                 | mm              | 200            |      |      |      | 260             |      |      |      | 260             |      |      |      | 320             |      |      |      |
| Ejector force                  | kN              | 158            |      |      |      | 186             |      |      |      | 186             |      |      |      | 215             |      |      |      |
| <b>OTHERS</b>                  |                 |                |      |      |      |                 |      |      |      |                 |      |      |      |                 |      |      |      |
| Pump motor power               | kW              | 70             |      |      |      | 85              |      |      |      | 30+70           |      |      |      | 37+70           |      |      |      |
| Heater power                   | kW              | 45.7           |      |      |      | 54.3            |      |      |      | 67.8            |      |      |      | 81              |      |      |      |
| Machine dimension (LxWxH)      | m               | 9.06x2.07x2.67 |      |      |      | 10.07x2.20x2.73 |      |      |      | 10.72x2.29x2.75 |      |      |      | 11.87x2.42x2.86 |      |      |      |
| Machine weight                 | t               | 23             |      |      |      | 30.2            |      |      |      | 36              |      |      |      | 47.5            |      |      |      |
| Hopper capacity                | kg              | 100            |      |      |      | 100             |      |      |      | 100             |      |      |      | 100             |      |      |      |
| Oil tank                       | l               | 750            |      |      |      | 880             |      |      |      | 1000            |      |      |      | 1150            |      |      |      |

