

TECHNOLOGY TO THE POINT



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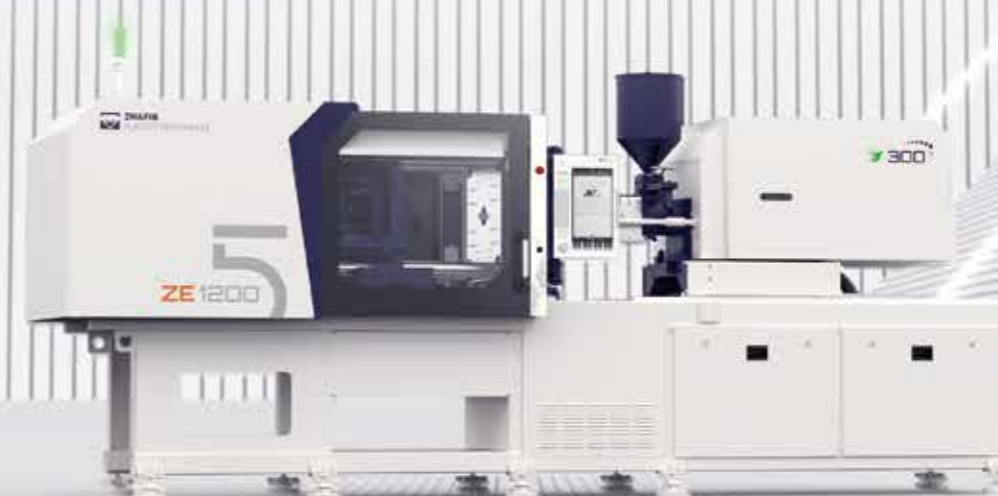
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ZERES SERIES

TECHNICAL SPECIFICATION

400 – 4,500 kN



TECHNICAL DATA ZE400 V

| CLAMPING UNIT | | | | | | |
|---|----------------------|-----------------------|------|-----------------------|------|------|
| Clamping force | kN | 400 | | | | |
| Mold opening stroke | mm | 235 | | | | |
| Mold height min. | mm | 150 | | | | |
| Mold height max. | mm | 320 | | | | |
| Total daylight max. | mm | 555 | | | | |
| Dist. Between tie-bars (H×V) | mm | 320×320 | | | | |
| Size of mold platen (H×V) | mm | 440×440 | | | | |
| Mold dimension min. | mm | 205×205 | | | | |
| Ejector stroke | mm | 60 | | | | |
| Ejector force | kN | 17.2 | | | | |
| INJECTION UNIT | | A | B | A | B | C |
| Screw diameter | mm | 16 | 19 | 19 | 22 | 26 |
| Screw L/D ratio | L/D | 21 | 20 | 21 | 22 | 18 |
| Injection volume (theoretical) ¹ | cm ³ | 12 | 17 | 21 | 36 | 50 |
| Injection weight (PS) ² | g | 10.9 | 15.4 | 19.1 | 32.8 | 45.5 |
| Injection pressure ³ | MPa | 280 | 260 | 260 | 220 | 157 |
| | bar | 2800 | 2600 | 2600 | 2200 | 1570 |
| Holding pressure ³ | MPa | 234 | 198 | 208 | 175 | 125 |
| | bar | 2340 | 1980 | 2080 | 1750 | 1250 |
| Screw speed | rpm | 400 | | 400 | | |
| Plasticizing rate (GPPS) ⁴ | g/s | 2.5 | 3.6 | 3.8 | 6 | 8 |
| Plasticizing rate (HDPE) ⁵ | g/s | - | - | - | - | - |
| Nozzle contact force | kN | 26 | | 26 | | |
| INJECTION UNIT | | 50 | | 80 | | |
| Injection speed | mm/s | 200 | | 200 | | |
| Injection rate (PS) | g/s | 35 | 49 | 49 | 66 | 92 |
| INJECTION UNIT | | 50h | | 80h | | |
| Injection speed | mm/s | 350 | | 350 | | |
| Injection rate (PS) | g/s | 61 | 86 | 86 | 116 | 162 |
| OTHERS | Connection power | 50:11/18 50h:11/18 | | 80:11/19 80h:13/22 | | |
| | Heating power | 4.3 | 4.6 | 4.5 | 5.7 | 5.7 |
| | Machine dimension | 3.67×1.14×1.85 | | 3.67×1.14×1.85 | | |
| | Machine weight | - | | - | | |
| | Hopper capacity (OP) | 15 | 15 | | | |
| | Pressure | 17.5 | 17.5 | | | |
| | Flow | 24 | 24 | | | |
| Oil tank | 31 | 31 | | | | |

NOTE: ¹ Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

² Shot weight (PS) is the theoretical value of shot volume melt density of PS. It is not a measured value.

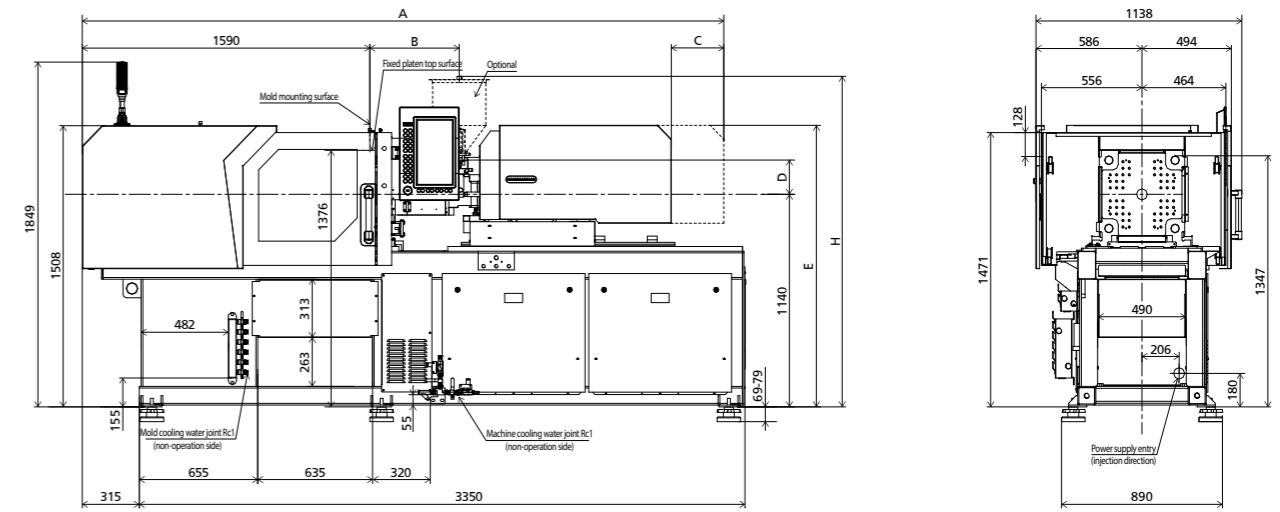
³ Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

⁴ Plasticizing capacity(GPPS):GB standard,with application of GPPS plasticizing capacity of 3-zone screws.

⁵ Plasticizing capacity(HDPE):Euromap 19.with application of HDPE plasticizing capacity of barrier screws.

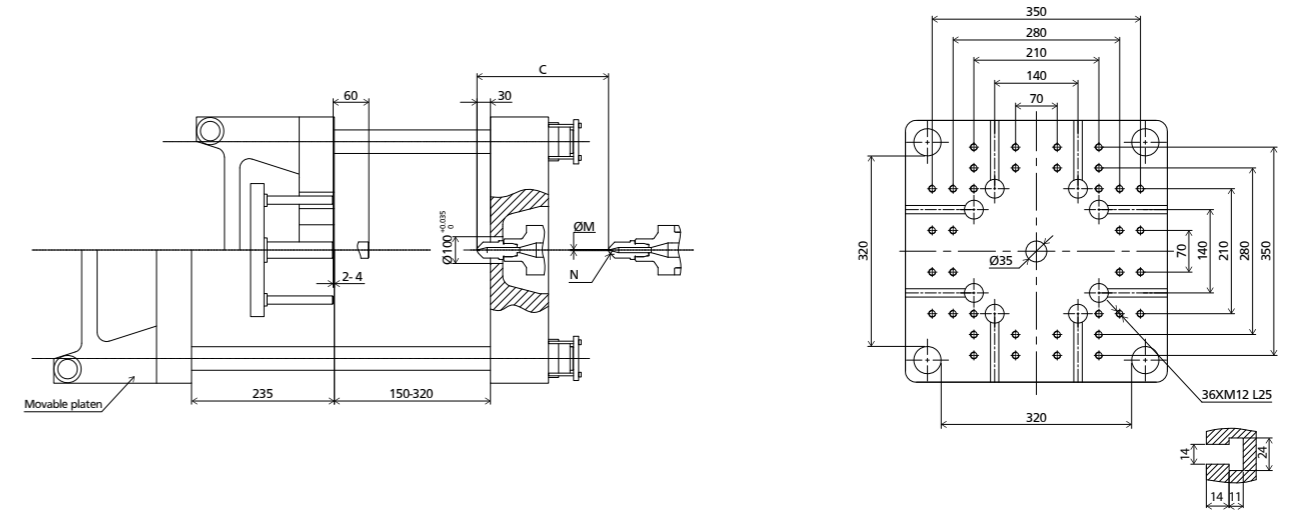
This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

MACHINE DIMENSIONS

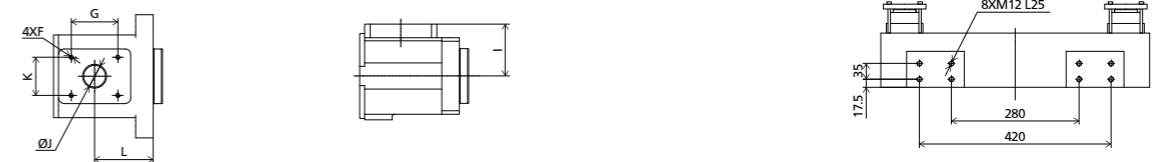


| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|--------|------|-----|-----|-----|------|----------|----|------|-----|----|----|------|------|------|
| 50h,50 | 3512 | 479 | 290 | 199 | 1510 | 4×M8 L10 | 70 | 1788 | 110 | 40 | 85 | 59 | Ø2 | SR10 |
| 80h,80 | 3652 | 579 | 290 | 184 | 1510 | 4×M8 L10 | 70 | 1773 | 95 | 40 | 85 | 99.5 | Ø2.2 | SR10 |

PLATEN DIMENSIONS



OTHERS DIMENSIONS



HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

TECHNICAL DATA ZE600 V

| CLAMPING UNIT | | | | | | | |
|---|-----------------|-----------------------|------|------|-------------------------|------|------|
| Clamping force | kN | 600 | | | | | |
| Mold opening stroke | mm | 270 | | | | | |
| Mold height min. | mm | 150 | | | | | |
| Mold height max. | mm | 370 | | | | | |
| Total daylight max. | mm | 640 | | | | | |
| Dist. Between tie-bars (H×V) | mm | 370×370 | | | | | |
| Size of mold platen (H×V) | mm | 510×510 | | | | | |
| Mold dimension min. | mm | 240×240 | | | | | |
| Ejector stroke | mm | 80 | | | | | |
| Ejector force | kN | 24.5 | | | | | |
| INJECTION UNIT | | A | B | C | A | B | C |
| Screw diameter | mm | 19 | 22 | 26 | 22 | 26 | 30 |
| Screw L/D ratio | L/D | 21 | 22 | 18 | 22 | 22 | 19 |
| Injection volume (theoretical) ¹ | cm ³ | 21 | 36 | 50 | 36 | 58 | 77 |
| Injection weight (PS) ² | g | 19.1 | 32.8 | 45.5 | 32.8 | 52 | 70 |
| Injection pressure ³ | MPa | 260 | 220 | 157 | 280 | 220 | 165 |
| | bar | 2600 | 2200 | 1570 | 2800 | 2200 | 1650 |
| Holding pressure ³ | MPa | 208 | 175 | 125 | 220 | 160 | 120 |
| | bar | 2080 | 1750 | 1250 | 2200 | 1600 | 1200 |
| Screw speed | rpm | 400 | | | 400 | | |
| Plasticizing rate (GPPS) ⁴ | g/s | 3.8 | 6 | 8 | 6 | 8.8 | 13 |
| Plasticizing rate (HDPE) ⁵ | g/s | - | - | - | - | - | - |
| Nozzle contact force | kN | 26 | | | 26 | | |
| INJECTION UNIT | | 80 | | | 120 | | |
| Injection speed | mm/s | 200 | | | 200 | | |
| Injection rate (PS) | g/s | 49 | 66 | 92 | 66 | 92 | 123 |
| INJECTION UNIT | | 80h | | | 120h | | |
| Injection speed | mm/s | 350 | | | 350 | | |
| Injection rate (PS) | g/s | 86 | 116 | 162 | 116 | 162 | 216 |
| OTHERS | | 80:11/19 80h:13/22 | | | 120:12/21 120h:16/28 | | |
| Connection power | kW/A | | | | | | |
| Heating power | kW | 4.5 | 5.7 | 5.7 | 6 | 7.8 | 7.8 |
| Machine dimension | m | 4.09×1.19×1.96 | | | 4.09×1.19×1.96 | | |
| Machine weight | t | - | | | - | | |
| Hopper capacity (OP) | l | 15 | | | 15 | | |
| Pressure | MPa | 17.5 | | | 17.5 | | |
| Flow | l/min | 35 | | | 35 | | |
| Oil tank | l | 45 | | | 45 | | |

NOTE: ¹ Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

² Shot weight (PS) is the theoretical value of shot volume melt density of PS. It is not a measured value.

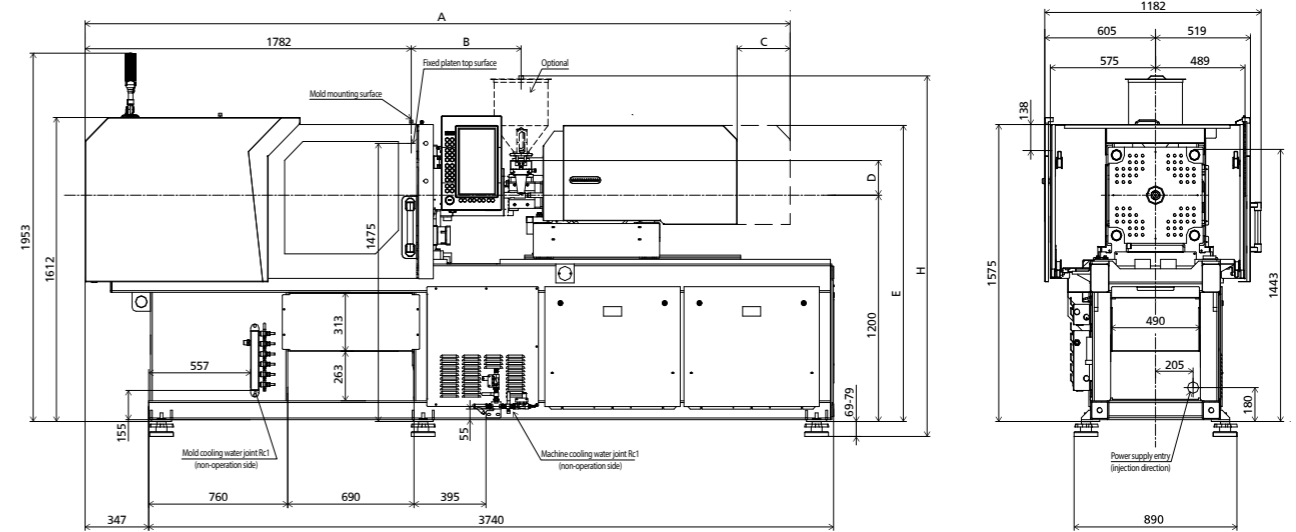
³ Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

⁴ Plasticizing capacity(GPPS):GB standard,with application of GPPS plasticizing capacity of 3-zone screws.

⁵ Plasticizing capacity(HDPE):Euromap 19.with application of HDPE plasticizing capacity of barrier screws.

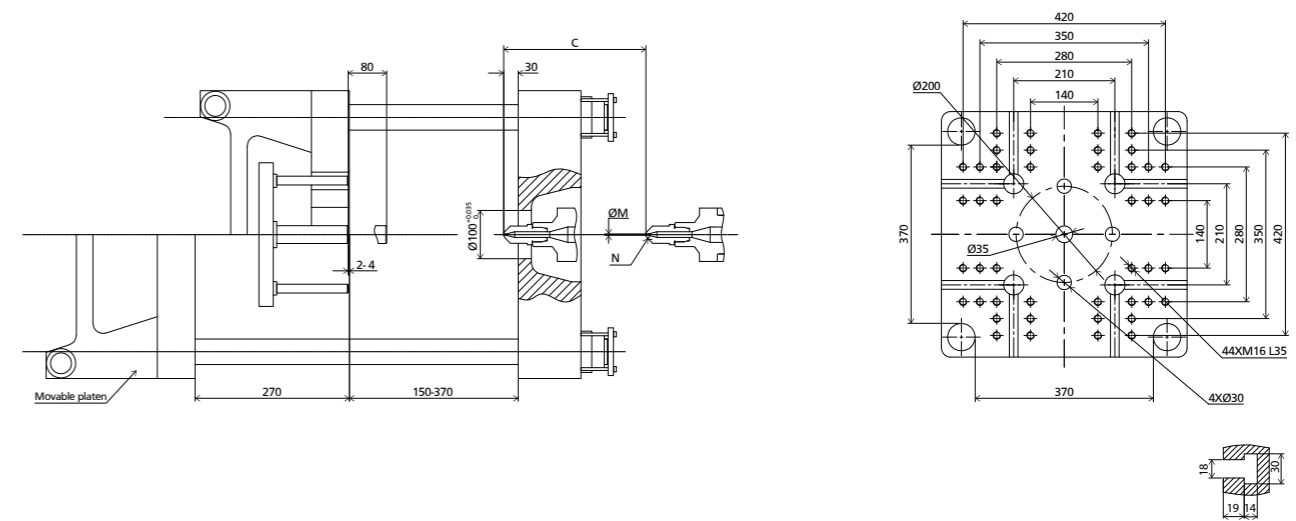
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MACHINE DIMENSIONS

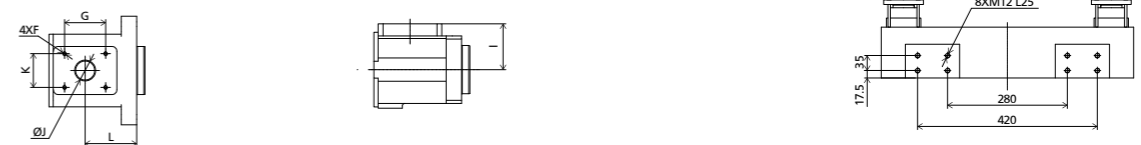


| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|----------|------|-----|-----|-----|------|----------|----|------|----|----|----|------|------|------|
| 80h,80 | 3844 | 579 | 290 | 184 | 1570 | 4×M8 L10 | 70 | 1833 | 95 | 40 | 85 | 99.5 | Ø2.2 | SR10 |
| 120h,120 | 3964 | 691 | 290 | 184 | 1570 | 4×M8 L12 | 70 | 1912 | 95 | 45 | 85 | 107 | Ø2.5 | SR10 |

PLATEN DIMENSIONS



OTHERS DIMENSIONS



HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

TECHNICAL DATA ZE900 V

| | | CLAMPING UNIT | | | INJECTION UNIT | | | OTHERS | | | |
|---|-----------------|-------------------------|------|------|-------------------------|------|------|-------------------------|------|------|------|
| | | A | B | C | A | B | C | AA | A | B | C |
| Clamping force | kN | 900 | | | | | | | | | |
| Mold opening stroke | mm | 320 | | | | | | | | | |
| Mold height min. | mm | 150 | | | | | | | | | |
| Mold height max. | mm | 410 | | | | | | | | | |
| Total daylight max. | mm | 730 | | | | | | | | | |
| Dist. Between tie-bars (H×V) | mm | 420×420 | | | | | | | | | |
| Size of mold platen (H×V) | mm | 580×580 | | | | | | | | | |
| Mold dimension min. | mm | 270×270 | | | | | | | | | |
| Ejector stroke | mm | 80 | | | | | | | | | |
| Ejector force | kN | 24.5 | | | | | | | | | |
| Screw diameter | mm | 22 | 26 | 30 | 26 | 28 | 30 | 26 | 28 | 32 | 36 |
| Screw L/D ratio | L/D | 22 | 22 | 19 | 22 | 21 | 19 | 21 | 21 | 21 | 18.6 |
| Injection volume (theoretical) ¹ | cm ³ | 36 | 58 | 77 | 58 | 67 | 77 | 61 | 70 | 100 | 127 |
| Injection weight (PS) ² | g | 32.8 | 52 | 70 | 52 | 61 | 70 | 55 | 64 | 91 | 115 |
| Injection pressure ³ | MPa | 280 | 220 | 165 | 260 | 220 | 192 | 280 | 260 | 200 | 160 |
| | bar | 2800 | 2200 | 1650 | 2600 | 2200 | 1920 | 2800 | 2600 | 2000 | 1600 |
| Holding pressure ³ | MPa | 220 | 160 | 120 | 160 | 138 | 120 | 224 | 206 | 160 | 126 |
| | bar | 2200 | 1600 | 1200 | 1600 | 1380 | 1200 | 2240 | 2060 | 1600 | 1260 |
| Screw speed | rpm | 400 | | | 400 | | | 400 | | | |
| Plasticizing rate (GPPS) ⁴ | g/s | 6 | 8.8 | 13 | 8.8 | 11 | 13 | 8.5 | 11 | 16 | 19.4 |
| Plasticizing rate (HDPE) ⁵ | g/s | - | - | - | - | - | - | - | - | - | - |
| Nozzle contact force | kN | 26 | | | 26 | | | 26 | | | |
| INJECTION UNIT | | 120 | | | 160 | | | 210 | | | |
| Injection speed | mm/s | 200 | | | 200 | | | 200 | | | |
| Injection rate (PS) | g/s | 66 | 92 | 123 | 92 | 107 | 123 | 92 | 107 | 140 | 177 |
| INJECTION UNIT | | 120h | | | 160h | | | 210h | | | |
| Injection speed | mm/s | 350 | | | 350 | | | 350 | | | |
| Injection rate (PS) | g/s | 116 | 162 | 216 | 162 | 188 | 216 | 162 | 188 | 245 | 311 |
| Connection power | kW/A | 120:12/21 120h:16/28 | | | 160:14/24 160h:18/30 | | | 210:16/26 210h:21/36 | | | |
| Heating power | kW | 6 | 7.8 | 7.8 | 7.5 | 7.5 | 7.5 | 6.9 | 7.8 | 9.2 | 9.2 |
| Machine dimension | m | 4.33×1.23×2.03 | | | 4.33×1.23×2.03 | | | 4.39×1.23×2.03 | | | |
| Machine weight | t | - | | | - | | | 3.8 | | | |
| Hopper capacity (OP) | l | 15 | | | 15 | | | 15 | | | |
| Pressure | MPa | 17.5 | | | 17.5 | | | 17.5 | | | |
| Flow | l/min | 35 | | | 35 | | | 35 | | | |
| Oil tank | l | 47 | | | 47 | | | 47 | | | |

NOTE: ¹ Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

² Shot weight (PS) is the theoretical value of shot volume melt density of PS. It is not a measured value.

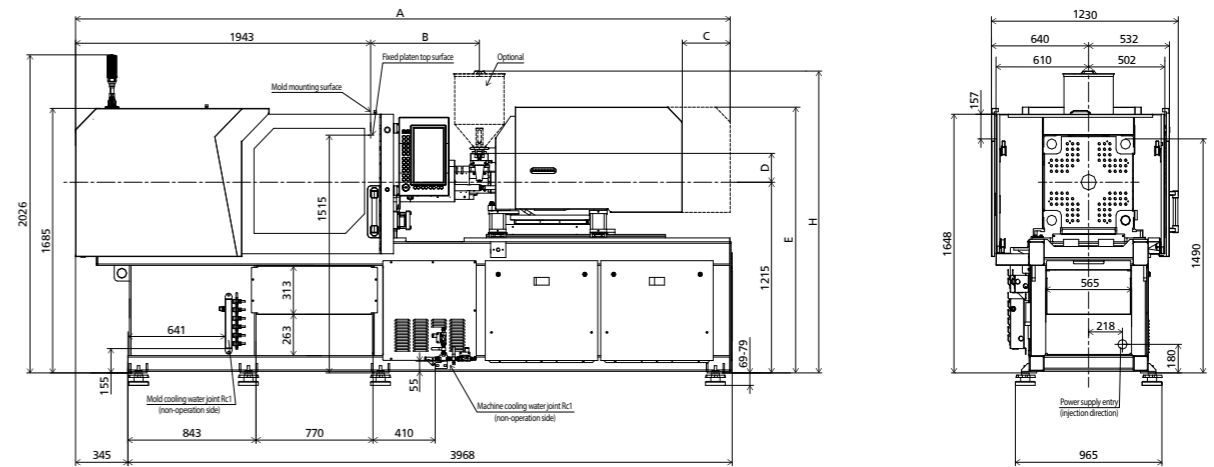
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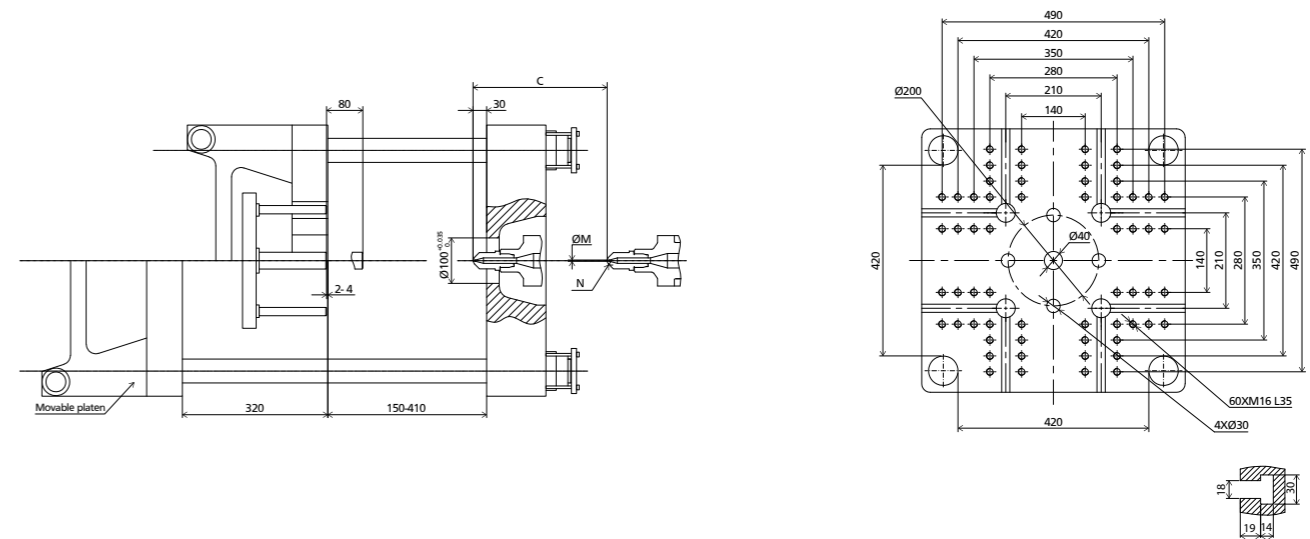
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MACHINE DIMENSIONS



| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|----------|------|-----|-----|-----|------|----------|----|------|----|----|----|-----|------|------|
| 120h,120 | 4135 | 691 | 300 | 184 | 1585 | 4×M8 L12 | 70 | 1927 | 95 | 45 | 85 | 107 | Ø2.5 | SR10 |
| 160h,160 | 4251 | 691 | 300 | 184 | 1693 | 4×M8 L12 | 70 | 1923 | 95 | 45 | 85 | 88 | Ø2.5 | SR10 |
| 210h,210 | 4386 | 792 | 315 | 184 | 1693 | 4×M8 L12 | 70 | 1923 | 95 | 50 | 85 | 107 | Ø2.5 | SR10 |

PLATEN DIMENSIONS



OTHERS DIMENSIONS



HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

TECHNICAL DATA ZE1200 V

| | | CLAMPING UNIT | | | | | | | | | | | | | |
|---|-----------------|----------------|------|------|----------------|------|------|----------------|------|------|-----------------|------|------|------|------|
| | | A | | | B | | | C | | | AA | | | | |
| Clamping force | kN | 1200 | | | | | | | | | | | | | |
| Mold opening stroke | mm | 360 | | | | | | | | | | | | | |
| Mold height min. | mm | 150 | | | | | | | | | | | | | |
| Mold height max. | mm | 480 | | | | | | | | | | | | | |
| Total daylight max. | mm | 840 | | | | | | | | | | | | | |
| Dist. Between tie-bars (H×V) | mm | 470×470 | | | | | | | | | | | | | |
| Size of mold platen (H×V) | mm | 640×640 | | | | | | | | | | | | | |
| Mold dimension min. | mm | 305×305 | | | | | | | | | | | | | |
| Ejector stroke | mm | 100 | | | | | | | | | | | | | |
| Ejector force | kN | 33 | | | | | | | | | | | | | |
| | | A | | | B | | | C | | | AA | | | | |
| Screw diameter | mm | 26 | 28 | 30 | 26 | 28 | 32 | 36 | 30 | 32 | 36 | 40 | 36 | 40 | 45 |
| Screw L/D ratio | L/D | 22 | 21 | 19 | 21 | 21 | 21 | 18.6 | 21 | 22.5 | 20 | 18 | 23.3 | 21 | 18.7 |
| Injection volume (theoretical) ¹ | cm ³ | 58 | 67 | 77 | 61 | 70 | 100 | 127 | 102 | 116 | 147 | 182 | 173 | 213 | 270 |
| Injection weight (PS) ² | g | 52 | 61 | 70 | 55 | 64 | 91 | 115 | 92 | 106 | 134 | 165 | 157 | 194 | 246 |
| Injection pressure ³ | MPa | 260 | 220 | 192 | 280 | 260 | 200 | 160 | 280 | 253 | 200 | 162 | 247 | 200 | 158 |
| | bar | 2600 | 2200 | 1920 | 2800 | 2600 | 2000 | 1600 | 2800 | 2530 | 2000 | 1620 | 2470 | 2000 | 1580 |
| Holding pressure ³ | MPa | 160 | 138 | 120 | 224 | 206 | 160 | 126 | 224 | 202 | 160 | 130 | 197 | 160 | 126 |
| | bar | 1600 | 1380 | 1200 | 2240 | 2060 | 1600 | 1260 | 2240 | 2020 | 1600 | 1300 | 1970 | 1600 | 1260 |
| Screw speed | rpm | 400 | | | 400 | | | 400 | | | 400 | | | | |
| Plasticizing rate (GPPS) ⁴ | g/s | 8.8 | 11 | 13 | 8.5 | 11 | 16 | 19.4 | 13.3 | 16.6 | 20.1 | 27.7 | 22 | 30 | 42 |
| Plasticizing rate (HDPE) ⁵ | g/s | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nozzle contact force | kN | 26 | | | 26 | | | 65 | | | 65 | | | | |
| INJECTION UNIT | | 160 | | | 210 | | | 300 | | | 430(OP) | | | | |
| Injection speed | mm/s | 200 | | | 200 | | | 200 | | | 200 | | | | |
| Injection rate (PS) | g/s | 92 | 107 | 123 | 92 | 107 | 140 | 177 | 123 | 140 | 177 | 219 | 200 | 219 | 277 |
| INJECTION UNIT | | 160h | | | 210h | | | 300h | | | 430h(OP) | | | | |
| Injection speed | mm/s | 350 | | | 350 | | | 300 | | | 300 | | | | |
| Injection rate (PS) | g/s | 162 | 188 | 216 | 162 | 188 | 245 | 311 | 185 | 210 | 266 | 329 | 266 | 329 | 416 |
| Connection power | kW/A | 160:14/24 | | | 210:16/26 | | | 300:20/34 | | | 430:27/45 | | | | |
| | | 160h:18/30 | | | 210h:21/36 | | | 300h:26/43 | | | 430h:31/52 | | | | |
| Heating power | kW | 7.5 | 7.5 | 7.5 | 6.9 | 7.8 | 9.2 | 9.2 | 10.3 | 11.9 | 11.9 | 11.9 | 13.5 | | |
| Machine dimension | m | 4.81×1.36×2.11 | | | 4.81×1.36×2.11 | | | 4.83×1.36×2.11 | | | 5.28×1.36×2.11 | | | | |
| Machine weight | t | - | | | - | | | - | | | - | | | | |
| Hopper capacity (OP) | l | 15 | | | 25 | | | 25 | | | 25 | | | | |
| Pressure | MPa | 17.5 | | | 17.5 | | | 17.5 | | | 17.5 | | | | |
| Flow | l/min | 48 | | | 48 | | | 48 | | | 48 | | | | |
| Oil tank | l | 78 | | | 78 | | | 78 | | | 78 | | | | |

NOTE: ¹ Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

² Shot weight (PS) is the theoretical value of shot volume melt density of PS. It is not a measured value.

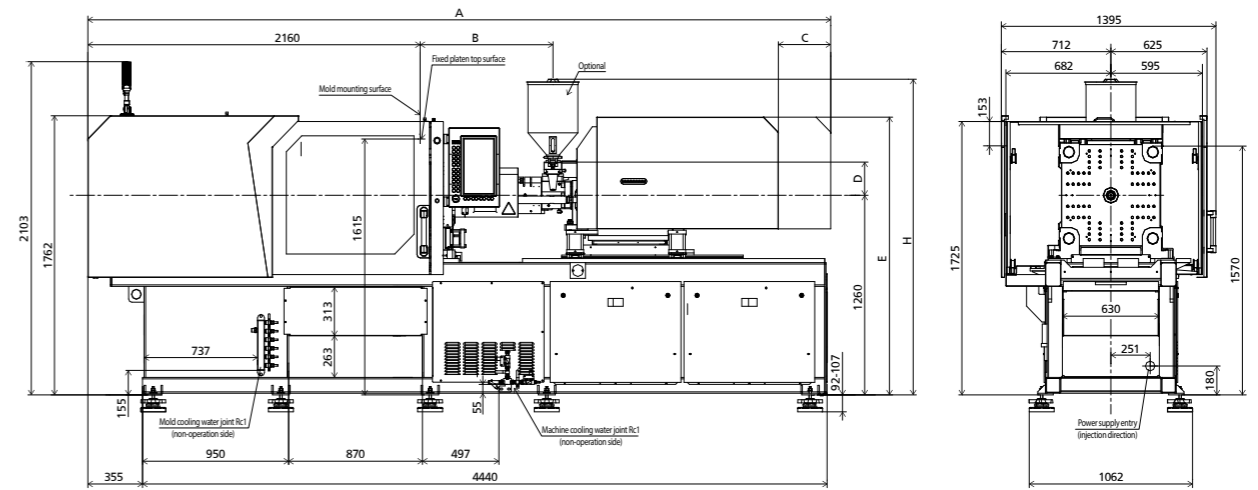
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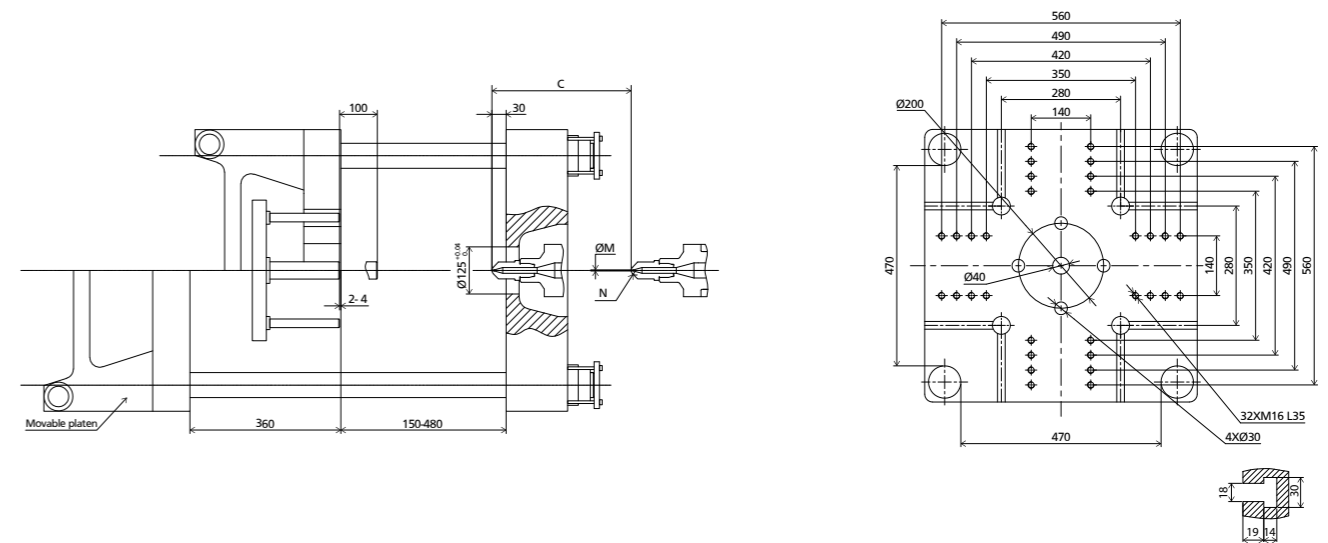
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MACHINE DIMENSIONS

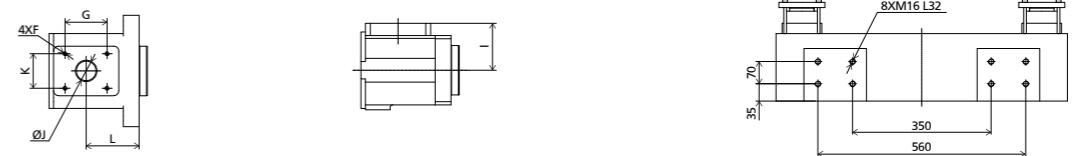


| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|----------|------|------|-----|-----|------|----------|----|------|-----|----|----|-----|------|------|
| 160h,160 | 4468 | 691 | 300 | 184 | 1738 | 4×M8 L12 | 70 | 1968 | 95 | 45 | 85 | 88 | Ø2.5 | SR10 |
| 210h,210 | 4603 | 792 | 315 | 184 | 1738 | 4×M8 L12 | 70 | 1968 | 95 | 50 | 85 | 107 | Ø2.5 | SR10 |
| 300h,300 | 4825 | 859 | 340 | 209 | 1753 | 4×M8 L12 | 70 | 1993 | 120 | 55 | 85 | 122 | Ø2.5 | SR10 |
| 430h,430 | 5278 | 1008 | 360 | 224 | 1833 | 4×M8 L10 | 70 | 2008 | 135 | 65 | 85 | 104 | Ø3 | SR10 |

PLATEN DIMENSIONS



OTHERS DIMENSIONS



HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

TECHNICAL DATA ZE1900 V

| | | CLAMPING UNIT | | | | | | | | | | | | |
|---|-----------------|-------------------------|------|------|-------------------------|------|------|-------------------------|------|------|-------------------------|------|------|------|
| | | AA | | | A | | | B | | | C | | | |
| Clamping force | kN | 1900 | | | | | | | | | | | | |
| Mold opening stroke | mm | 470 | | | | | | | | | | | | |
| Mold height min. | mm | 200 | | | | | | | | | | | | |
| Mold height max. | mm | 550 | | | | | | | | | | | | |
| Total daylight max. | mm | 1020 | | | | | | | | | | | | |
| Dist. Between tie-bars (H×V) | mm | 570×570 | | | | | | | | | | | | |
| Size of mold platen (H×V) | mm | 800×800 | | | | | | | | | | | | |
| Mold dimension min. | mm | 370×370 | | | | | | | | | | | | |
| Ejector stroke | mm | 130 | | | | | | | | | | | | |
| Ejector force | kN | 55 | | | | | | | | | | | | |
| | | INJECTION UNIT | | | | | | | | | | | | |
| Screw diameter | mm | 30 | 32 | 36 | 40 | 36 | 40 | 45 | 40 | 45 | 50 | 45 | 50 | 55 |
| Screw L/D ratio | L/D | 21 | 22.5 | 20 | 18 | 23.3 | 21 | 18.7 | 22.5 | 20 | 18 | 22.2 | 20 | 18 |
| Injection volume (theoretical) ¹ | cm ³ | 102 | 116 | 147 | 182 | 173 | 213 | 270 | 252 | 319 | 394 | 333 | 412 | 498 |
| Injection weight (PS) ² | g | 92 | 106 | 134 | 165 | 157 | 194 | 246 | 229 | 290 | 358 | 304 | 375 | 454 |
| Injection pressure ³ | MPa | 280 | 253 | 200 | 162 | 247 | 200 | 158 | 253 | 200 | 162 | 247 | 200 | 165 |
| | bar | 2800 | 2530 | 2000 | 1620 | 2470 | 2000 | 1580 | 2530 | 2000 | 1620 | 2470 | 2000 | 1650 |
| Holding pressure ³ | MPa | 224 | 202 | 160 | 130 | 197 | 160 | 126 | 202 | 160 | 130 | 197 | 160 | 132 |
| | bar | 2240 | 2020 | 1600 | 1300 | 1970 | 1600 | 1260 | 2020 | 1600 | 1300 | 1970 | 1600 | 1320 |
| Screw speed | rpm | 400 | | | 400 | | | 350 | | | 320 | | | |
| Plasticizing rate (GPPS) ⁴ | g/s | 13.3 | 16.6 | 20.1 | 27.7 | 22 | 30 | 42 | 27 | 39 | 50 | 35 | 46 | 60 |
| Plasticizing rate (HDPE) ⁵ | g/s | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nozzle contact force | kN | 65 | | | 65 | | | 65 | | | 85 | | | |
| INJECTION UNIT | | 300 | | | 430 | | | 640 | | | 830(OP) | | | |
| Injection speed | mm/s | 200 | | | 200 | | | 160 | | | 160 | | | |
| Injection rate (PS) | g/s | 123 | 140 | 177 | 219 | 177 | 219 | 277 | 175 | 222 | 274 | 222 | 274 | 332 |
| INJECTION UNIT | | 300h | | | 430h | | | 640h | | | 830h(OP) | | | |
| Injection speed | mm/s | 300 | | | 300 | | | 250 | | | 250 | | | |
| Injection rate (PS) | g/s | 185 | 210 | 266 | 329 | 266 | 329 | 416 | 274 | 347 | 428 | 347 | 428 | 518 |
| Connection power | kW/A | 300:20/34 300h:26/43 | | | 430:27/45 430h:31/52 | | | 640:28/47 640h:32/53 | | | 830:34/58 830h:38/65 | | | |
| Heating power | kW | 10.3 | 11.9 | 11.9 | 11.9 | 13.5 | | | 14.8 | | | 20.2 | | |
| Machine dimension | m | 5.90×1.52×2.29 | | | 5.90×1.52×2.29 | | | 5.99×1.52×2.29 | | | 6.30×1.52×2.29 | | | |
| Machine weight | t | - | | | - | | | 8 | | | - | | | |
| Hopper capacity (OP) | l | 25 | | | 25 | | | 25 | | | 50 | | | |
| Pressure | MPa | 17.5 | | | 17.5 | | | 17.5 | | | 17.5 | | | |
| Flow | l/min | 79 | | | 79 | | | 79 | | | 79 | | | |
| Oil tank | l | 107 | | | 107 | | | 107 | | | 107 | | | |

NOTE: ¹ Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

² Shot weight (PS) is the theoretical value of shot volume melt density of PS. It is not a measured value.

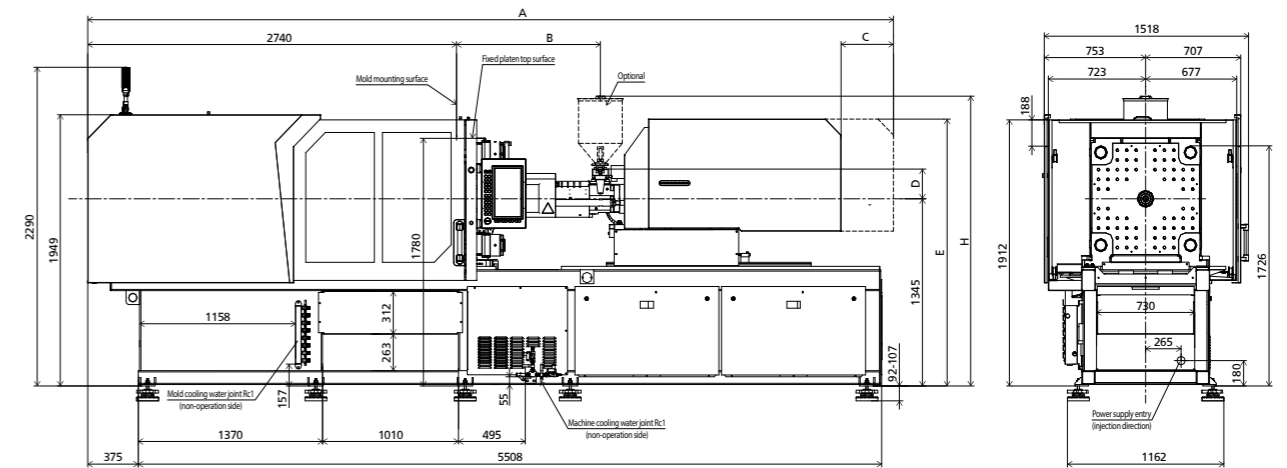
³ Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

⁴ Plasticizing capacity(GPPS):GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

⁵ Plasticizing capacity(HDPE):Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

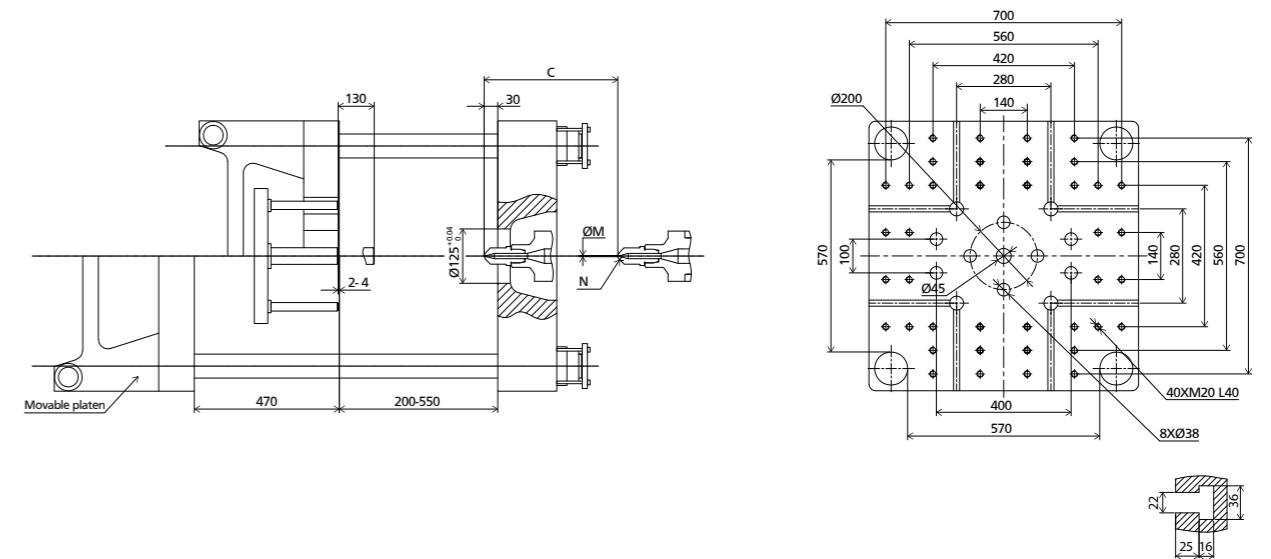
This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

MACHINE DIMENSIONS

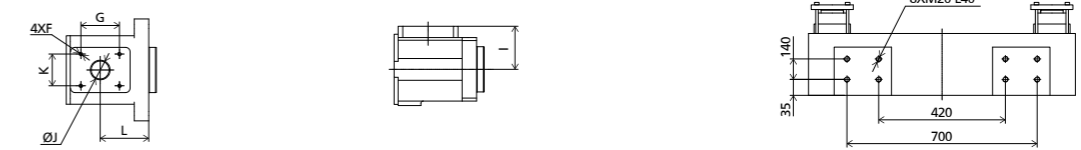


| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|----------|------|------|-----|-----|------|-----------|-----|------|-----|----|-----|-------|------|------|
| 300h,300 | 5425 | 859 | 360 | 209 | 1838 | 4×M8 L12 | 70 | 2078 | 120 | 55 | 85 | 122 | Ø2.5 | SR10 |
| 430h,430 | 5888 | 1008 | 390 | 224 | 1918 | 4×M8 L10 | 70 | 2093 | 135 | 65 | 85 | 104 | Ø3 | SR10 |
| 640h,640 | 5986 | 1068 | 390 | 214 | 1918 | 4×M8 L10 | 70 | 2083 | 125 | 65 | 85 | 141.5 | Ø3 | SR10 |
| 830h,830 | 6299 | 1181 | 450 | 255 | 2056 | 4×M10 L20 | 115 | 2203 | 153 | 65 | 115 | 122.5 | Ø3 | SR10 |

PLATEN DIMENSIONS



OTHERS DIMENSIONS



HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

TECHNICAL DATA ZE2300 V

| CLAMPING UNIT | | | | | | | | | | | | | | |
|---|----------------------|-------------|----------------|-------------------------|-------------|-------------------------|------|-------------------------|----------------|---------------------------|------------------|----------------|------|--|
| Clamping force | kN | 2300 | | | | | | | | | | | | |
| Mold opening stroke | mm | 550 | | | | | | | | | | | | |
| Mold height min. | mm | 220 | | | | | | | | | | | | |
| Mold height max. | mm | 600 | | | | | | | | | | | | |
| Total daylight max. | mm | 1150 | | | | | | | | | | | | |
| Dist. Between tie-bars (H×V) | mm | 620×620 | | | | | | | | | | | | |
| Size of mold platen (H×V) | mm | 880×880 | | | | | | | | | | | | |
| Mold dimension min. | mm | 400×400 | | | | | | | | | | | | |
| Ejector stroke | mm | 150 | | | | | | | | | | | | |
| Ejector force | kN | 55 | | | | | | | | | | | | |
| INJECTION UNIT | | A | B | C | A | B | C | A | B | C | A | B | C | |
| Screw diameter | mm | 36 | 40 | 45 | 40 | 45 | 50 | 45 | 50 | 55 | 50 | 55 | 60 | |
| Screw L/D ratio | L/D | 23.3 | 21 | 18.7 | 22.5 | 20 | 18 | 22.2 | 20 | 18 | 22 | 20 | 18.3 | |
| Injection volume (theoretical) ¹ | cm ³ | 173 | 213 | 270 | 252 | 319 | 394 | 333 | 412 | 498 | 471 | 570 | 678 | |
| Injection weight (PS) ² | g | 157 | 194 | 246 | 229 | 290 | 358 | 304 | 375 | 454 | 428 | 518 | 617 | |
| Injection pressure ³ | MPa | 247 | 200 | 158 | 253 | 200 | 162 | 247 | 200 | 165 | 218 | 180 | 151 | |
| | bar | 2470 | 2000 | 1580 | 2530 | 2000 | 1620 | 2470 | 2000 | 1650 | 2180 | 1800 | 1510 | |
| Holding pressure ³ | MPa | 197 | 160 | 126 | 202 | 160 | 130 | 197 | 160 | 132 | 194 | 160 | 134 | |
| | bar | 1970 | 1600 | 1260 | 2020 | 1600 | 1300 | 1970 | 1600 | 1320 | 1940 | 1600 | 1340 | |
| Screw speed | rpm | 400 | | | 350 | | | 320 | | | 320 | | | |
| Plasticizing rate (GPPS) ⁴ | g/s | 22 | 30 | 42 | 27 | 39 | 50 | 35 | 46 | 60 | 52 | 64 | 75 | |
| Plasticizing rate (HDPE) ⁵ | g/s | - | - | - | - | - | - | - | - | - | - | - | - | |
| Nozzle contact force | kN | 65 | | | 65 | | | 85 | | | 85 | | | |
| INJECTION UNIT | | 430 | | | 640 | | | 830 | | | 1100(OP) | | | |
| Injection speed | mm/s | 200 | | | 160 | | | 160 | | | 160 | | | |
| Injection rate (PS) | g/s | 177 | 219 | 277 | 175 | 222 | 274 | 222 | 274 | 332 | 274 | 160 | 395 | |
| INJECTION UNIT | | 430h | | | 640h | | | 830h | | | 1100h(OP) | | | |
| Injection speed | mm/s | 300 | | | 250 | | | 250 | | | 250 | | | |
| Injection rate (PS) | g/s | 266 | 329 | 416 | 274 | 347 | 428 | 347 | 428 | 518 | 428 | 518 | 617 | |
| OTHERS | Connection power | kW/A | | 430:27/45 430h:31/52 | | 640:28/47 640h:32/53 | | 830:34/58 830h:38/65 | | 1100:44/74 1100h:44/74 | | | | |
| | Heating power | kW | 13.5 | | | 14.8 | | | 20.2 | | | 23 | | |
| | Machine dimension | m | 6.15×1.64×2.39 | | | 6.15×1.64×2.39 | | | 6.44×1.64×2.39 | | | 6.71×1.64×2.39 | | |
| | Machine weight | t | - | | | - | | | - | | | - | | |
| | Hopper capacity (OP) | l | 25 | | | 25 | | | 50 | | | 50 | | |
| | Pressure | MPa | 17.5 | | | 17.5 | | | 17.5 | | | 17.5 | | |
| | Flow | l/min | 79 | | | 79 | | | 79 | | | 79 | | |
| Oil tank | l | 104 | | | 104 | | | 104 | | | 104 | | | |

NOTE: ¹ Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

² Shot weight (PS) is the theoretical value of shot volume melt density of PS. It is not a measured value.

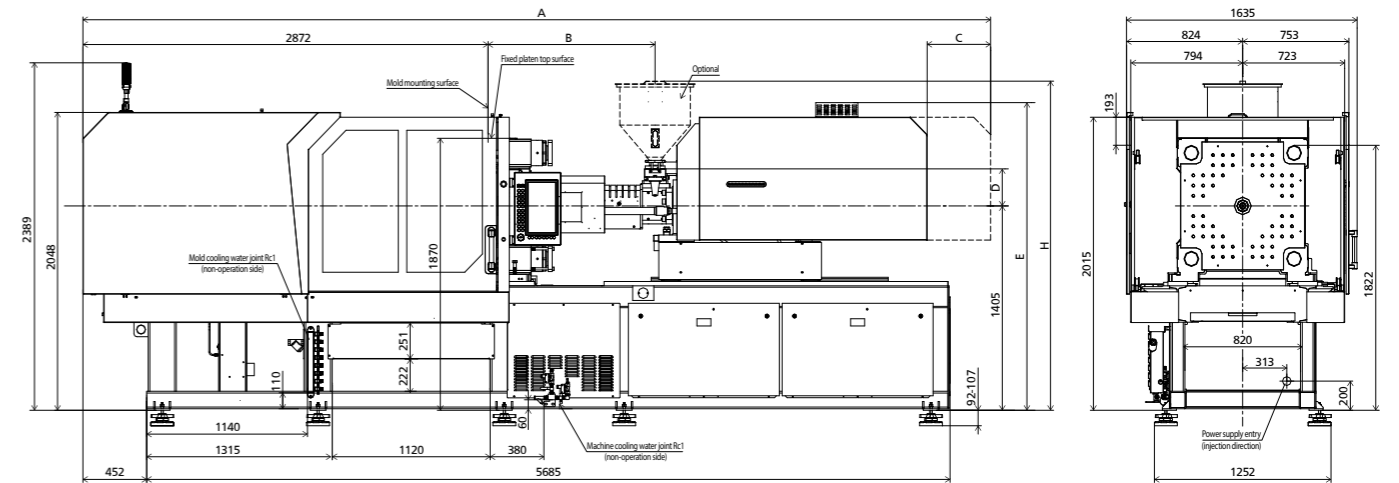
³ Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

⁴ Plasticizing capacity(GPPS):GB standard,with application of GPPS plasticizing capacity of 3-zone screws.

⁵ Plasticizing capacity(HDPE):Euromap 19,with application of HDPE plasticizing capacity of barrier screws.

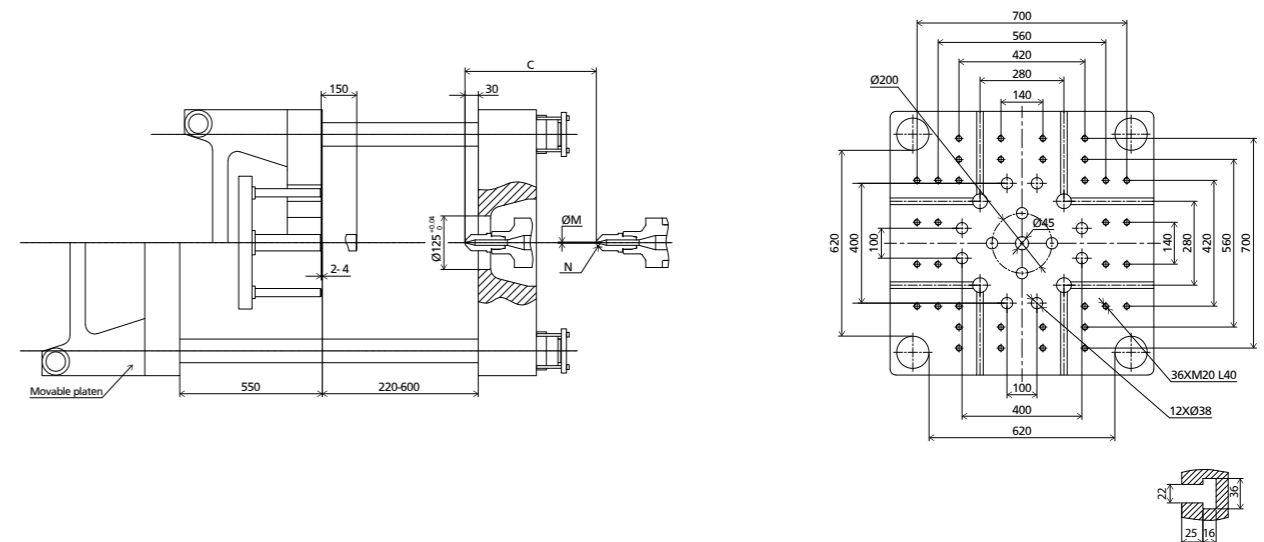
This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

MACHINE DIMENSIONS

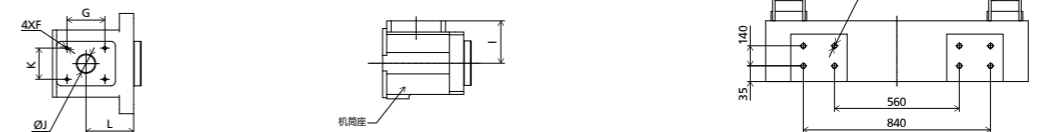


| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|------------|------|------|-----|-----|------|-----------|-----|------|-----|----|-----|-------|----|------|
| 430h,430 | 6020 | 1008 | 390 | 224 | 1978 | 4×M8 L10 | 70 | 2153 | 135 | 65 | 85 | 104 | Ø3 | SR10 |
| 640h,640 | 6128 | 1068 | 400 | 214 | 1978 | 4×M8 L10 | 70 | 2143 | 125 | 65 | 85 | 141.5 | Ø3 | SR10 |
| 830h,830 | 6431 | 1181 | 450 | 255 | 2116 | 4×M10 L20 | 115 | 2263 | 153 | 65 | 115 | 122.5 | Ø3 | SR10 |
| 1100H,1100 | 6707 | 1295 | 520 | 245 | 2145 | 4×M10 L20 | 115 | 2253 | 143 | 82 | 115 | 180 | Ø3 | SR10 |

PLATEN DIMENSIONS



OTHERS DIMENSIONS



HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

TECHNICAL DATA ZE3000 V

| CLAMPING UNIT | | | | | | | | | | | | | | |
|---|----------------------|-------------|----------------|-------------------------|----------------|---------------------------|----------------|----------------------------|----------------|----------------------------|------------------|------|------|--|
| Clamping force | kN | 3000 | | | | | | | | | | | | |
| Mold opening stroke | mm | 600 | | | | | | | | | | | | |
| Mold height min. | mm | 280 | | | | | | | | | | | | |
| Mold height max. | mm | 650 | | | | | | | | | | | | |
| Total daylight max. | mm | 1250 | | | | | | | | | | | | |
| Dist. Between tie-bars (H×V) | mm | 730×730 | | | | | | | | | | | | |
| Size of mold platen (H×V) | mm | 1000×1000 | | | | | | | | | | | | |
| Mold dimension min. | mm | 470×470 | | | | | | | | | | | | |
| Ejector stroke | mm | 160 | | | | | | | | | | | | |
| Ejector force | kN | 68.6 | | | | | | | | | | | | |
| | | A | B | C | A | B | C | A | B | C | A | B | C | |
| Screw diameter | mm | 45 | 50 | 55 | 50 | 55 | 60 | 55 | 60 | 65 | 60 | 65 | 70 | |
| Screw L/D ratio | L/D | 22.2 | 20 | 18 | 22 | 20 | 18.3 | 21.8 | 20 | 18.5 | 21.6 | 20 | 18.6 | |
| Injection volume (theoretical) ¹ | cm ³ | 333 | 412 | 498 | 471 | 570 | 678 | 617 | 735 | 862 | 791 | 929 | 1077 | |
| Injection weight (PS) ² | g | 304 | 375 | 454 | 428 | 518 | 617 | 562 | 668 | 785 | 720 | 845 | 980 | |
| Injection pressure ³ | MPa | 247 | 200 | 165 | 218 | 180 | 151 | 214 | 180 | 153 | 210 | 180 | 155 | |
| | bar | 2470 | 2000 | 1650 | 2180 | 1800 | 1510 | 2140 | 1800 | 1530 | 2100 | 1800 | 1550 | |
| Holding pressure ³ | MPa | 197 | 160 | 132 | 194 | 160 | 134 | 190 | 160 | 136 | 187 | 160 | 138 | |
| | bar | 1970 | 1600 | 1320 | 1940 | 1600 | 1340 | 1900 | 1600 | 1360 | 1870 | 1600 | 1380 | |
| Screw speed | rpm | 320 | | | 320 | | | 300 | | | 250 | | | |
| Plasticizing rate (GPPS) ⁴ | g/s | 35 | 46 | 60 | 52 | 64 | 75 | 54 | 64 | 71 | 57 | 68 | 72 | |
| Plasticizing rate (HDPE) ⁵ | g/s | - | - | - | - | - | - | - | - | - | - | - | - | |
| Nozzle contact force | kN | 85 | | | 85 | | | 85 | | | 85 | | | |
| INJECTION UNIT | | 830 | | | 1100 | | | 1400 | | | 1700(OP) | | | |
| Injection speed | mm/s | 160 | | | 160 | | | 160 | | | 160 | | | |
| Injection rate (PS) | g/s | 222 | 274 | 332 | 274 | 332 | 395 | 332 | 395 | 463 | 395 | 463 | 537 | |
| INJECTION UNIT | | 830h | | | 1100h | | | 1400h | | | 1700h(OP) | | | |
| Injection speed | mm/s | 250 | | | 250 | | | 250 | | | 250 | | | |
| Injection rate (PS) | g/s | 347 | 428 | 518 | 428 | 518 | 617 | 518 | 617 | 724 | 617 | 724 | 840 | |
| OTHERS | Connection power | kW/A | | 830:34/58 830h:38/65 | | 1100:44/74 1100h:44/74 | | 1400:52/87 1400h:65/109 | | 1700:58/98 1700h:74/125 | | | | |
| | Heating power | kW | 20.2 | | 23 | | 29.3 | | 33.1 | | | | | |
| | Machine dimension | m | 6.67×1.90×2.42 | | 6.95×1.90×2.42 | | 7.03×1.90×2.42 | | 7.51×1.90×2.42 | | | | | |
| | Machine weight | t | - | | - | | - | | - | | | | | |
| | Hopper capacity (OP) | l | 50 | | 50 | | 50 | | 50 | | | | | |
| | Pressure | MPa | 17.5 | | 17.5 | | 17.5 | | 17.5 | | | | | |
| | Flow | l/min | 90 | | 90 | | 90 | | 90 | | | | | |
| Oil tank | l | 123 | | 123 | | 123 | | 123 | | | | | | |

NOTE: ¹ Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

² Shot weight (PS) is the theoretical value of shot volume melt density of PS. It is not a measured value.

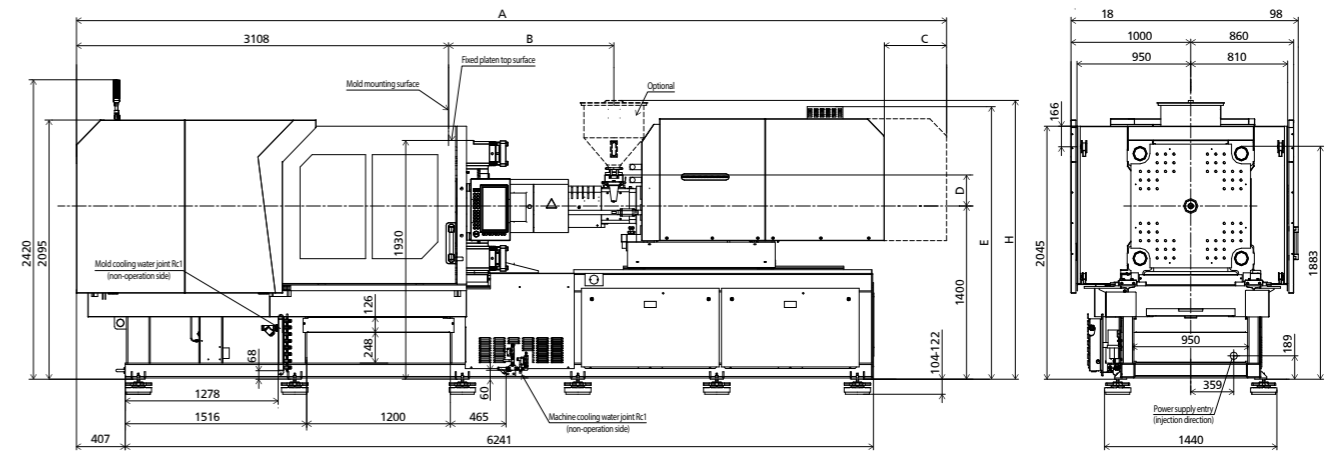
³ Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

⁴ Plasticizing capacity(GPPS):GB standard,with application of GPPS plasticizing capacity of 3-zone screws.

⁵ Plasticizing capacity(HDPE):Euromap 19.with application of HDPE plasticizing capacity of barrier screws.

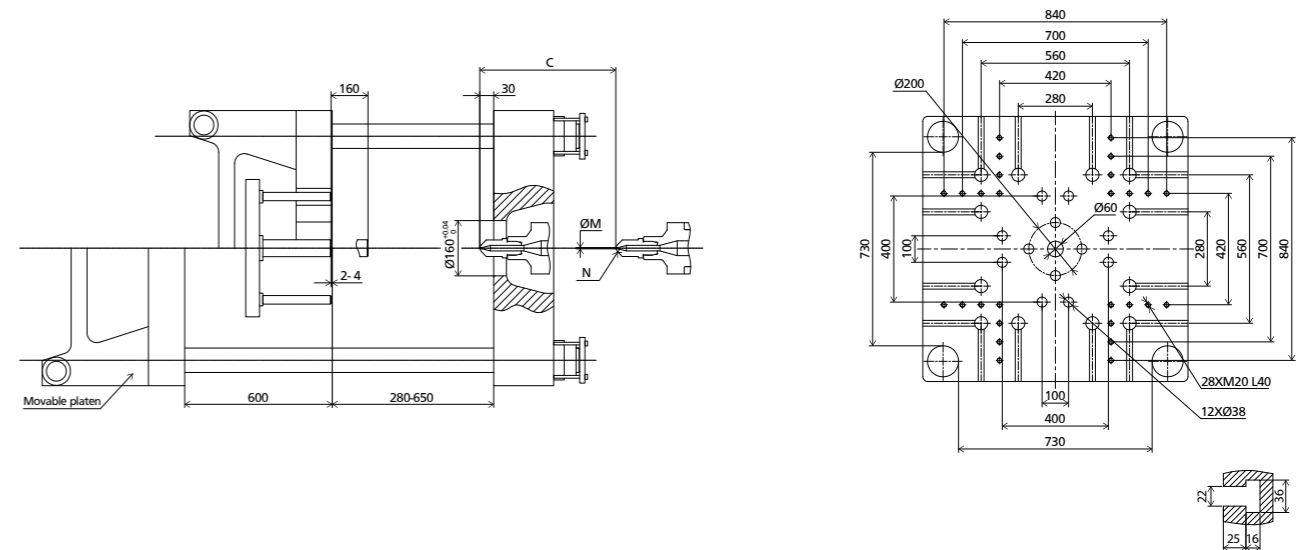
This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

MACHINE DIMENSIONS

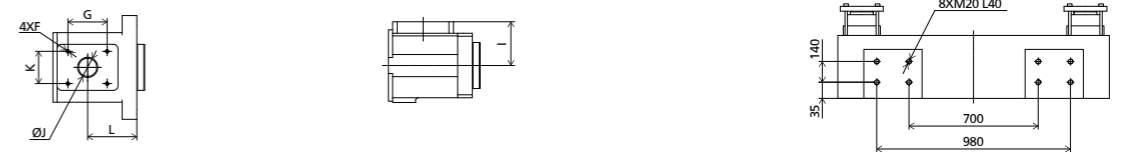


| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|------------|------|------|-----|-----|------|-----------|-----|------|-----|----|-----|-------|----|------|
| 830h,830 | 6667 | 1181 | 450 | 255 | 2111 | 4×M10 L20 | 115 | 2258 | 153 | 65 | 115 | 122.5 | Ø3 | SR10 |
| 1100h,1100 | 6943 | 1295 | 520 | 245 | 2140 | 4×M10 L20 | 115 | 2248 | 143 | 82 | 115 | 180 | Ø3 | SR10 |
| 1400h,1400 | 7021 | 1383 | 520 | 245 | 2111 | 4×M10 L20 | 115 | 2248 | 149 | 82 | 115 | 184 | Ø3 | SR10 |
| 1700h,1700 | 7504 | 1543 | 560 | 250 | 2203 | 4×M10 L20 | 115 | 2253 | 148 | 95 | 115 | 222.5 | Ø3 | SR10 |

PLATEN DIMENSIONS



OTHERS DIMENSIONS



HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

TECHNICAL DATA ZE3600 V

| CLAMPING UNIT | | | | | | | | | | | | | |
|---|-----------------|----------------|------|------|----------------|------|------|----------------|------|------|------------------|------|------|
| Clamping force | kN | 3600 | | | | | | | | | | | |
| Mold opening stroke | mm | 730 | | | | | | | | | | | |
| Mold height min. | mm | 320 | | | | | | | | | | | |
| Mold height max. | mm | 710 | | | | | | | | | | | |
| Total daylight max. | mm | 1440 | | | | | | | | | | | |
| Dist. Between tie-bars (H×V) | mm | 820×820 | | | | | | | | | | | |
| Size of mold platen (H×V) | mm | 1140×1140 | | | | | | | | | | | |
| Mold dimension min. | mm | 540×540 | | | | | | | | | | | |
| Ejector stroke | mm | 160 | | | | | | | | | | | |
| Ejector force | kN | 68.6 | | | | | | | | | | | |
| | | A | B | C | A | B | C | A | B | C | A | B | C |
| Screw diameter | mm | 50 | 55 | 60 | 55 | 60 | 65 | 60 | 65 | 70 | 65 | 70 | 80 |
| Screw L/D ratio | L/D | 22 | 20 | 18.3 | 21.8 | 20 | 18.5 | 21.6 | 20 | 18.6 | 21.5 | 20 | 17.5 |
| Injection volume (theoretical) ¹ | cm ³ | 471 | 570 | 678 | 617 | 735 | 862 | 791 | 929 | 1077 | 1068 | 1239 | 1618 |
| Injection weight (PS) ² | g | 428 | 518 | 617 | 562 | 668 | 785 | 720 | 845 | 980 | 972 | 1127 | 1472 |
| Injection pressure ³ | MPa | 218 | 180 | 151 | 214 | 180 | 153 | 210 | 180 | 155 | 210 | 180 | 138 |
| | bar | 2180 | 1800 | 1510 | 2140 | 1800 | 1530 | 2100 | 1800 | 1550 | 2100 | 1800 | 1380 |
| Holding pressure ³ | MPa | 194 | 160 | 134 | 190 | 160 | 136 | 187 | 160 | 138 | 190 | 162 | 124 |
| | bar | 1940 | 1600 | 1340 | 1900 | 1600 | 1360 | 1870 | 1600 | 1380 | 1900 | 1620 | 1240 |
| Screw speed | rpm | 320 | | | 300 | | | 250 | | | 210 | | |
| Plasticizing rate (GPPS) ⁴ | g/s | 52 | 64 | 75 | 54 | 64 | 71 | 57 | 68 | 72 | 62 | 71 | 80 |
| Plasticizing rate (HDPE) ⁵ | g/s | - | - | - | - | - | - | - | - | 93 | 111 | 125 | |
| Nozzle contact force | kN | 85 | | | 85 | | | 85 | | | 85 | | |
| INJECTION UNIT | | 1100 | | | 1400 | | | 1700 | | | 2250(OP) | | |
| Injection speed | mm/s | 160 | | | 160 | | | 160 | | | 160 | | |
| Injection rate (PS) | g/s | 274 | 332 | 395 | 332 | 395 | 463 | 395 | 463 | 537 | 463 | 537 | 702 |
| INJECTION UNIT | | 1100h | | | 1400h | | | 1700h | | | 2250h(OP) | | |
| Injection speed | mm/s | 250 | | | 250 | | | 250 | | | 250 | | |
| Injection rate (PS) | g/s | 428 | 518 | 617 | 518 | 617 | 724 | 617 | 724 | 840 | 723 | 839 | 1097 |
| Connection power | kW/A | 1100:44/74 | | | 1400:52/87 | | | 1700:58/98 | | | 2250:65/109 | | |
| | | 1100h:44/74 | | | 1400h:65/109 | | | 1700h:74/125 | | | 2250h:89/150 | | |
| Heating power | kW | 23 | | | 29.3 | | | 33.1 | | | 36.1 | | |
| Machine dimension | m | 7.27×1.99×2.48 | | | 7.35×1.99×2.48 | | | 7.83×1.99×2.48 | | | 7.57×1.99×2.48 | | |
| Machine weight | t | - | | | - | | | 17.2 | | | - | | |
| Hopper capacity (OP) | l | 50 | | | 50 | | | 50 | | | 50 | | |
| Pressure | MPa | 17.5 | | | 17.5 | | | 17.5 | | | 17.5 | | |
| Flow | l/min | 90 | | | 90 | | | 90 | | | 90 | | |
| Oil tank | l | 126 | | | 126 | | | 126 | | | 126 | | |

NOTE: ¹ Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

² Shot weight (PS) is the theoretical value of shot volume melt density of PS. It is not a measured value.

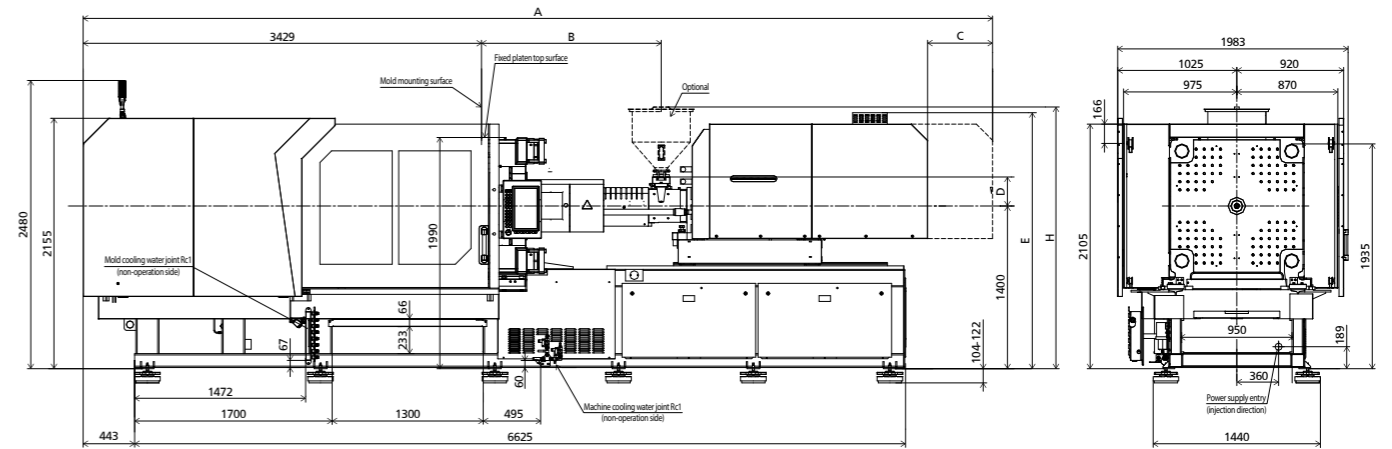
³ Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

⁴ Plasticizing capacity(GPPS):GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

⁵ Plasticizing capacity(HDPE):Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

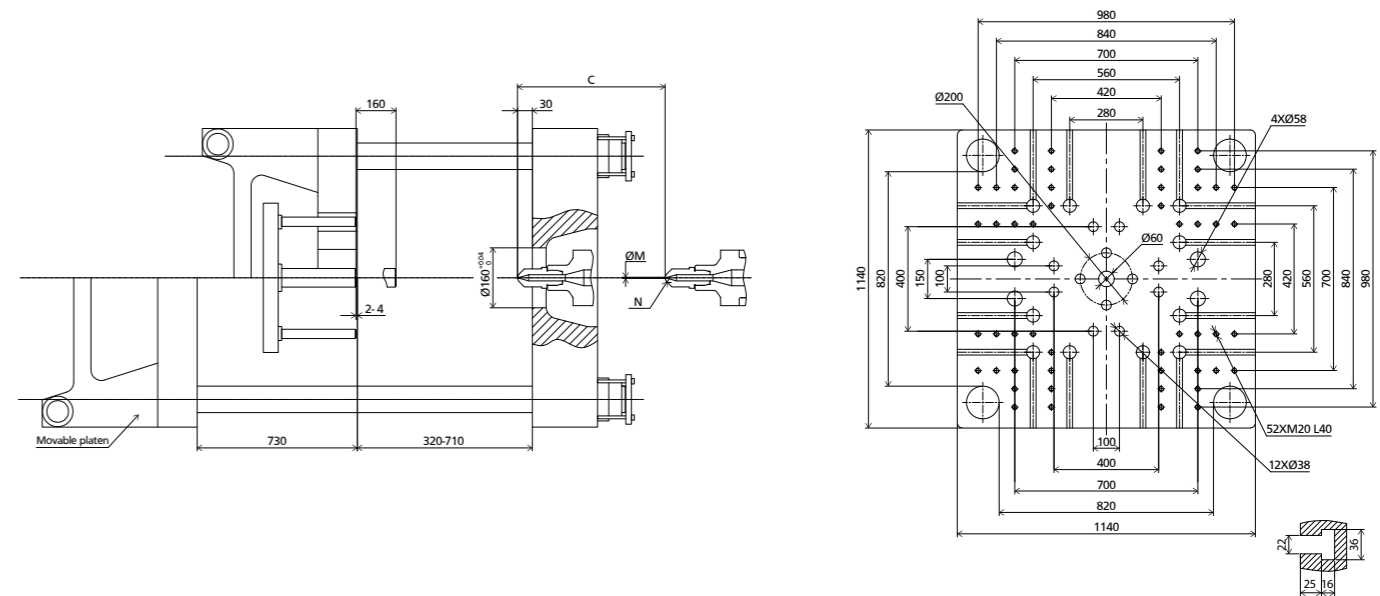
MACHINE DIMENSIONS



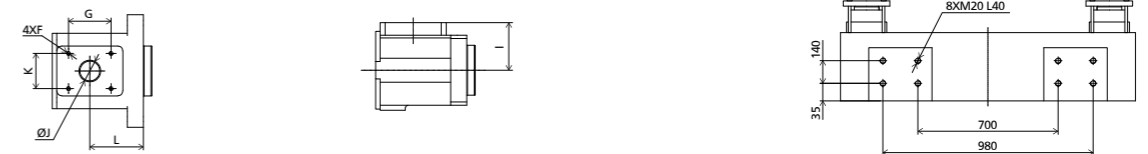
Note: The above machine size does not apply to the 2250 injection unit.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|------------|------|------|-----|-----|------|-----------|-----|------|-----|----|-----|-------|----|------|
| 1100h,1100 | 7264 | 1295 | 520 | 245 | 2140 | 4×M10 L20 | 115 | 2248 | 143 | 82 | 115 | 180 | Ø3 | SR10 |
| 1400h,1400 | 7342 | 1383 | 520 | 245 | 2111 | 4×M10 L20 | 115 | 2248 | 149 | 82 | 115 | 184 | Ø3 | SR10 |
| 1700h,1700 | 7825 | 1543 | 560 | 250 | 2203 | 4×M10 L20 | 115 | 2253 | 148 | 95 | 115 | 222.5 | Ø3 | SR10 |

PLATEN DIMENSIONS



OTHERS DIMENSIONS



HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

TECHNICAL DATA ZE4500 V

| CLAMPING UNIT | | | | | | | | | | | | | | |
|---|----------------------|--------------|----------------------------|------|--------------|----------------------------|------|--------------|-----------------------------|------|-------------|----------------|------|--|
| Clamping force | kN | 4500 | | | | | | | | | | | | |
| Mold opening stroke | mm | 800 | | | | | | | | | | | | |
| Mold height min. | mm | 350 | | | | | | | | | | | | |
| Mold height max. | mm | 810 | | | | | | | | | | | | |
| Total daylight max. | mm | 1610 | | | | | | | | | | | | |
| Dist. Between tie-bars (H×V) | mm | 910×910 | | | | | | | | | | | | |
| Size of mold platen (H×V) | mm | 1250×1250 | | | | | | | | | | | | |
| Mold dimension min. | mm | 590×590 | | | | | | | | | | | | |
| Ejector stroke | mm | 180 | | | | | | | | | | | | |
| Ejector force | kN | 98 | | | | | | | | | | | | |
| | | A | B | C | A | B | C | A | B | C | A | B | C | |
| Screw diameter | mm | 55 | 60 | 65 | 60 | 65 | 70 | 65 | 70 | 80 | 75 | 80 | 90 | |
| Screw L/D ratio | L/D | 21.8 | 20 | 18.5 | 21.6 | 20 | 18.6 | 21.5 | 20 | 17.5 | 21.3 | 20 | 17.8 | |
| Injection volume (theoretical) ¹ | cm ³ | 617 | 735 | 862 | 791 | 929 | 1077 | 1068 | 1239 | 1618 | 1634 | 1859 | 2353 | |
| Injection weight (PS) ² | g | 562 | 668 | 785 | 720 | 845 | 980 | 972 | 1127 | 1472 | 1487 | 1692 | 2141 | |
| Injection pressure ³ | MPa | 214 | 180 | 153 | 210 | 180 | 155 | 210 | 180 | 138 | 205 | 180 | 142 | |
| | bar | 2140 | 1800 | 1530 | 2100 | 1800 | 1550 | 2100 | 1800 | 1380 | 2050 | 1800 | 1420 | |
| Holding pressure ³ | MPa | 190 | 160 | 136 | 187 | 160 | 138 | 190 | 162 | 124 | 185 | 162 | 128 | |
| | bar | 1900 | 1600 | 1360 | 1870 | 1600 | 1380 | 1900 | 1620 | 1240 | 1850 | 1620 | 1280 | |
| Screw speed | rpm | 300 | | | 250 | | | 240 | | | 220 | | | |
| Plasticizing rate (GPPS) ⁴ | g/s | 54 | 64 | 71 | 57 | 68 | 72 | 62 | 71 | 88 | 70 | 92 | 105 | |
| Plasticizing rate (HDPE) ⁵ | g/s | - | - | - | - | - | - | 93 | 111 | 132 | 105 | 141 | 165 | |
| Nozzle contact force | kN | 85 | | | 85 | | | 85 | | | 85 | | | |
| INJECTION UNIT | | 1400 | | | 1700 | | | 2250 | | | 3350 | | | |
| Injection speed | mm/s | 160 | | | 160 | | | 160 | | | 160 | | | |
| Injection rate (PS) | g/s | 332 | 395 | 463 | 395 | 463 | 537 | 463 | 537 | 702 | 617 | 702 | 889 | |
| INJECTION UNIT | | 1400h | | | 1700h | | | 2250h | | | - | | | |
| Injection speed | mm/s | 250 | | | 250 | | | 250 | | | - | | | |
| Injection rate (PS) | g/s | 518 | 617 | 724 | 617 | 724 | 840 | 723 | 839 | 1097 | - | - | - | |
| OTHERS | Connection power | kW/A | 1400:52/87 1400h:65/109 | | | 1700:58/98 1700h:74/125 | | | 2250:65/109 2250h:89/150 | | | 83/138 | | |
| | Heating power | kW | 29.3 | | | 33.1 | | | 36.1 | | | 42.6 | | |
| | Machine dimension | m | 8.00×2.15×2.51 | | | 8.22×2.15×2.51 | | | 8.00×2.15×2.51 | | | 8.22×2.15×2.51 | | |
| | Machine weight | t | - | | | 23.36 | | | 24.58 | | | 24.67 | | |
| | Hopper capacity (OP) | l | 50 | | | 50 | | | 50 | | | 100 | | |
| | Pressure | MPa | 17.5 | | | 17.5 | | | 17.5 | | | 17.5 | | |
| | Flow | l/min | 141 | | | 141 | | | 141 | | | 141 | | |
| Oil tank | l | 193 | | | 193 | | | 193 | | | 193 | | | |

NOTE: ¹ Shot volume is the theoretical value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

² Shot weight (PS) is the theoretical value of shot volume melt density of PS. It is not a measured value.

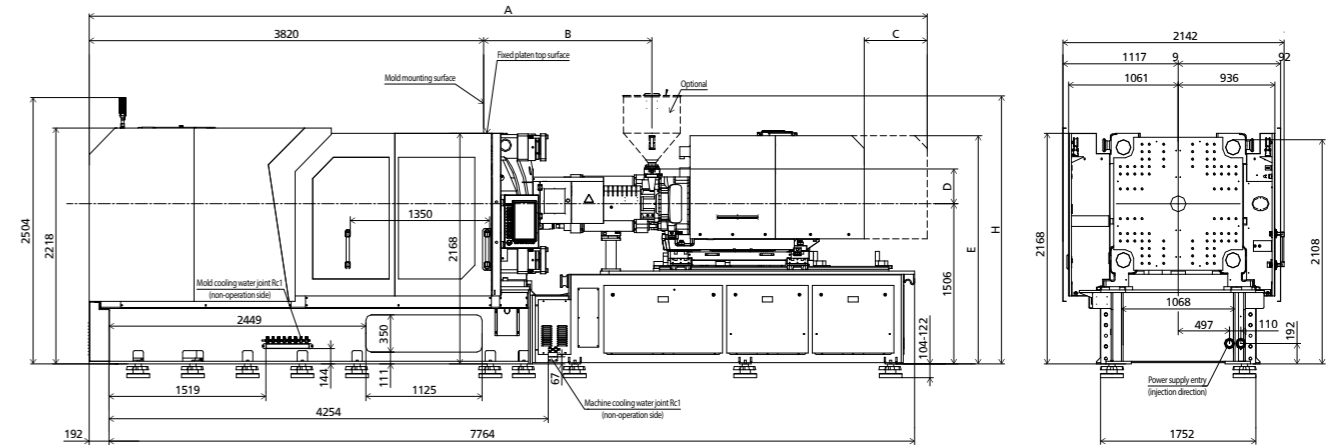
³ Injection & holding pressure are theoretical values of machine output, not the actual resin pressure.

⁴ Plasticizing capacity(GPPS):GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

⁵ Plasticizing capacity(HDPE):Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

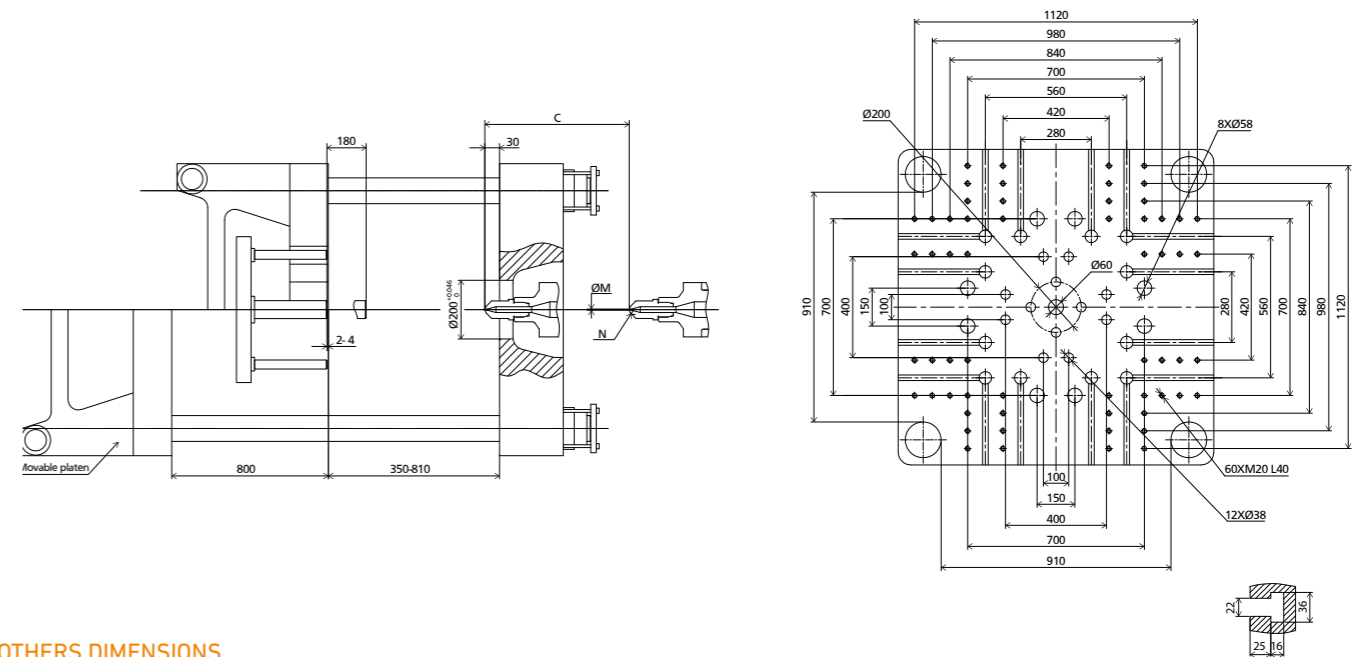
This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

MACHINE DIMENSIONS

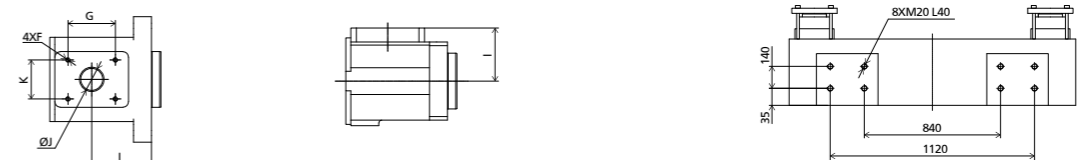


| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|------------|------|------|-----|-----|------|-----------|-----|------|-----|-----|-----|-------|----|------|
| 1400h,1400 | 7733 | 1383 | 520 | 245 | 2217 | 4XM10 L20 | 115 | 2354 | 143 | 82 | 115 | 204 | Ø3 | SR10 |
| 1700h,1700 | 8216 | 1543 | 560 | 250 | 2309 | 4XM10 L20 | 115 | 2359 | 148 | 95 | 115 | 222.5 | Ø3 | SR10 |
| 2250 | 7950 | 1630 | 610 | 327 | 2157 | 4XM10 L20 | 115 | 2520 | 225 | 85 | 115 | 70 | Ø4 | SR15 |
| 3350 | 8219 | 1841 | 610 | 346 | 2157 | 4XM12 L25 | 170 | 2846 | 225 | 100 | 170 | 128 | Ø4 | SR15 |

PLATEN DIMENSIONS



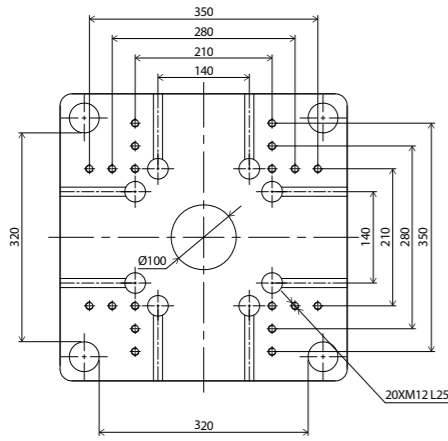
OTHERS DIMENSIONS



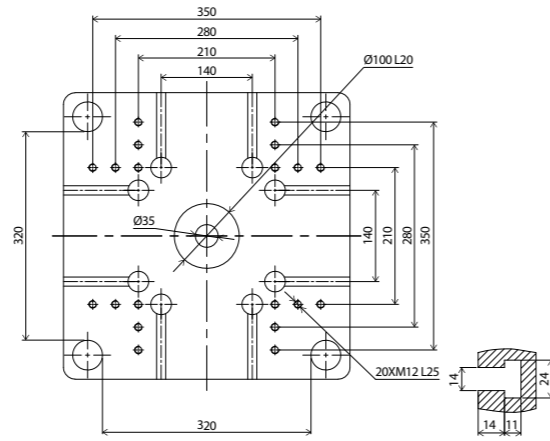
HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

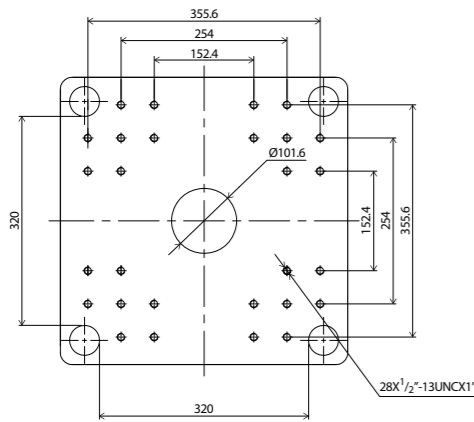
EUROPEAN VERSION
FIXED PLATEN



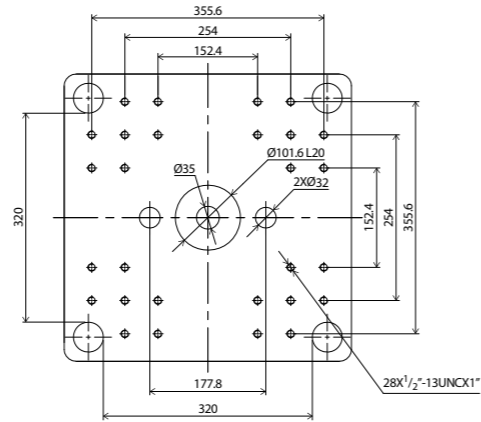
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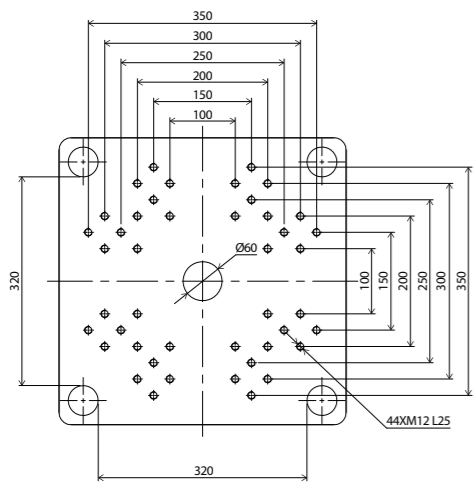
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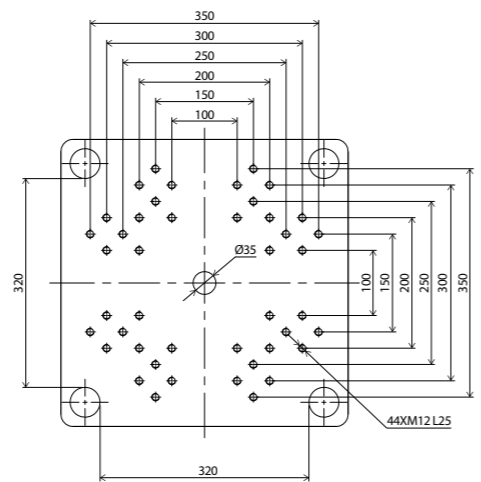
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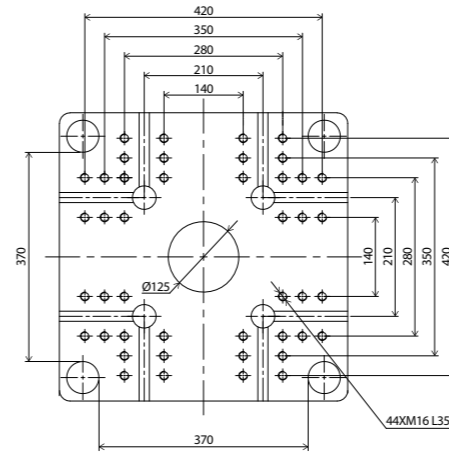
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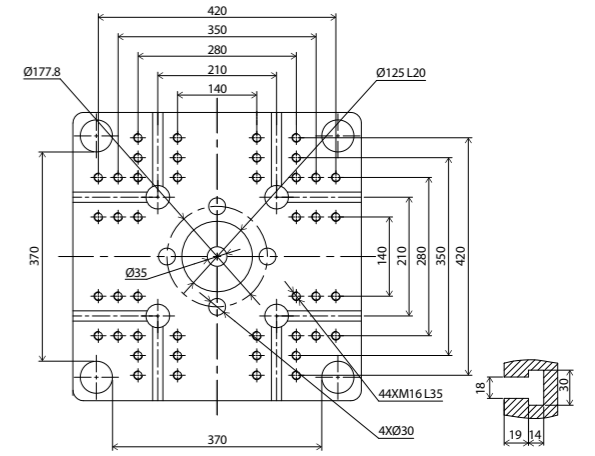
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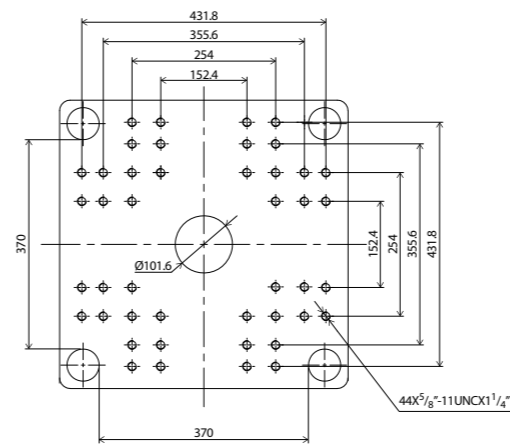
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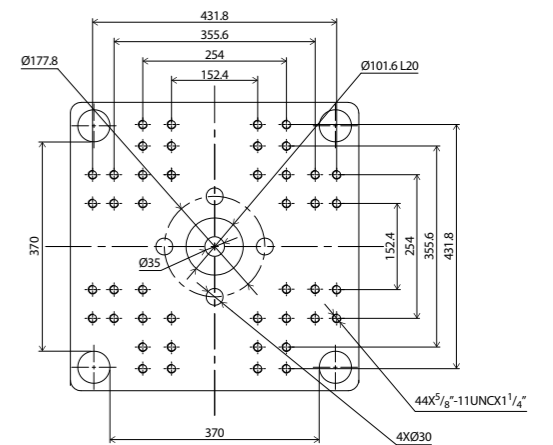
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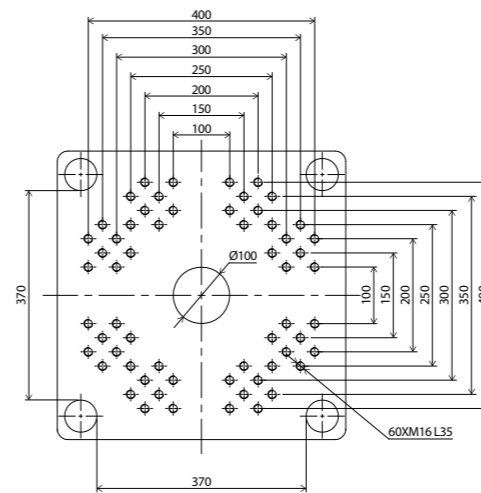
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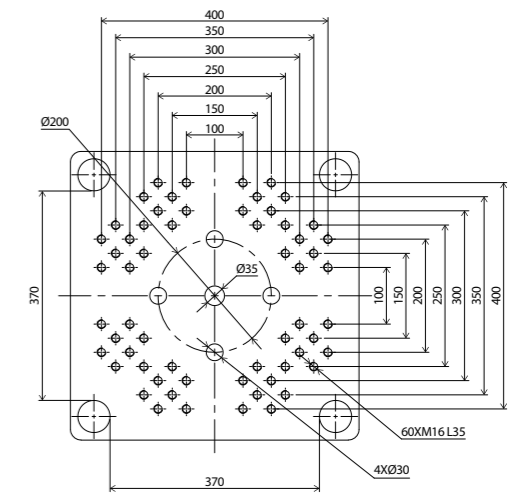
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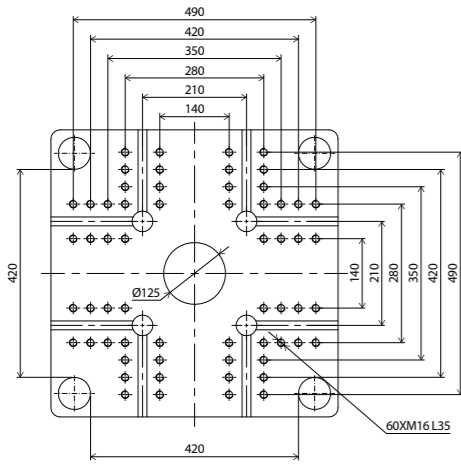
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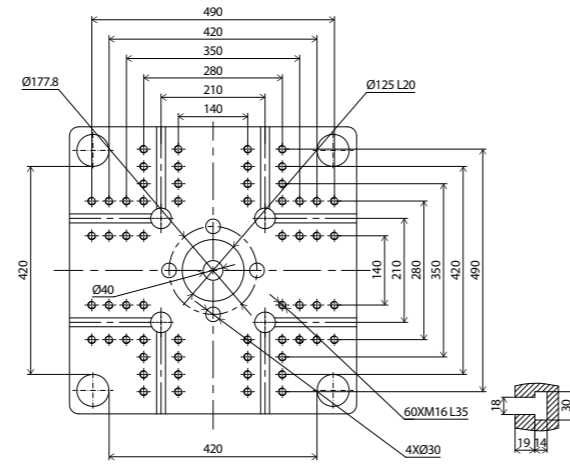
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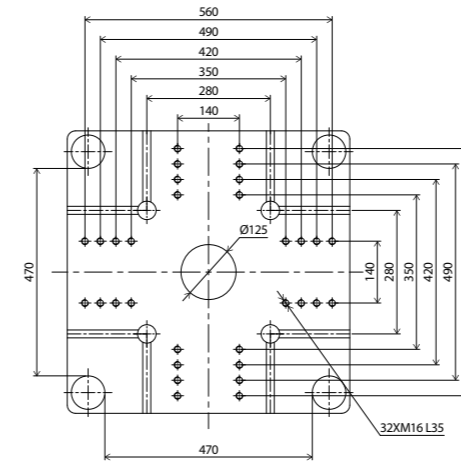
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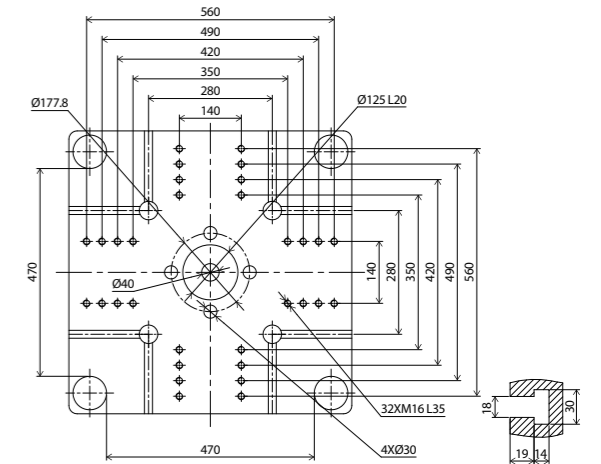
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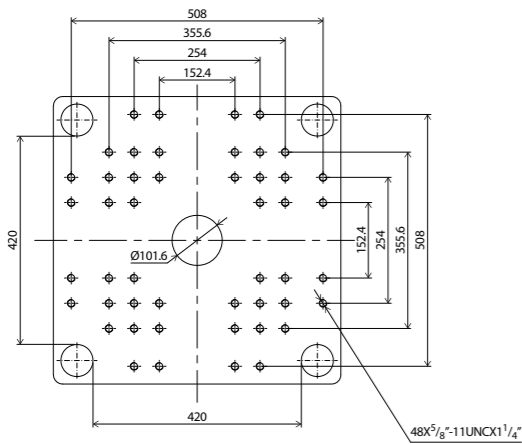
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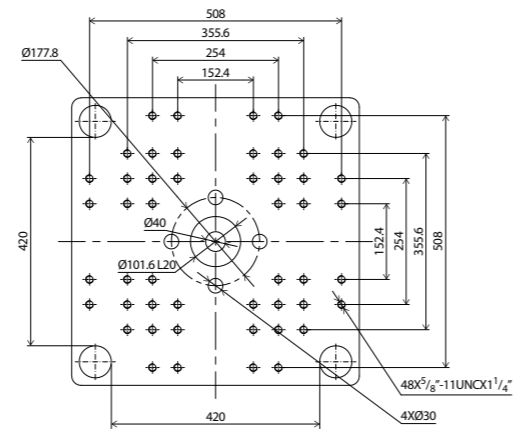
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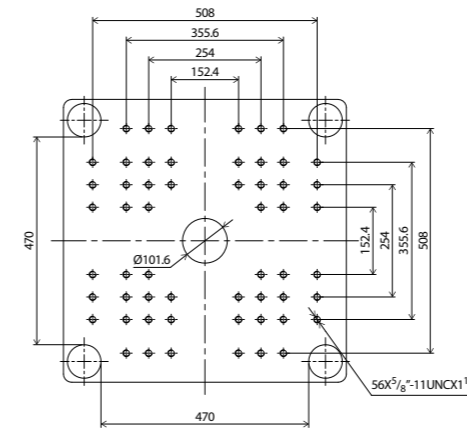
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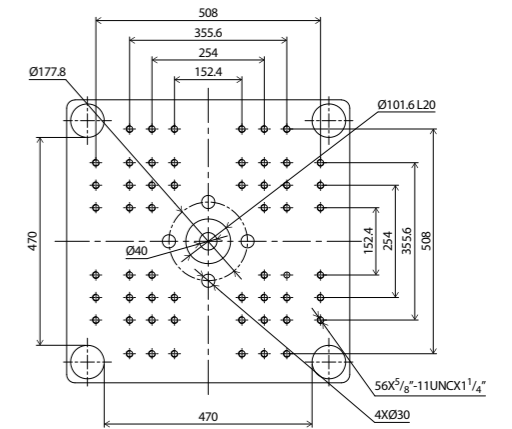
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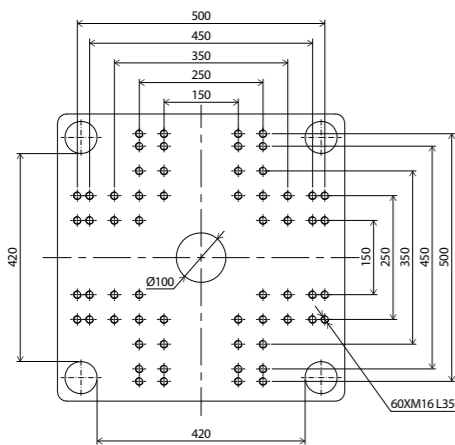
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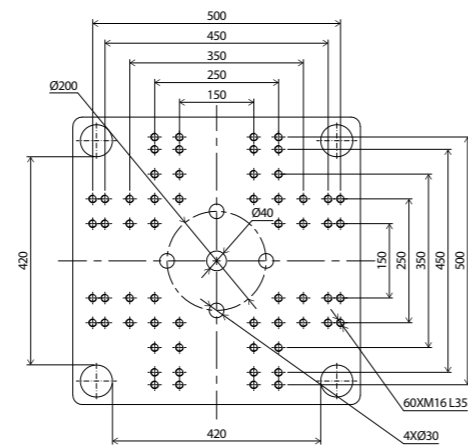
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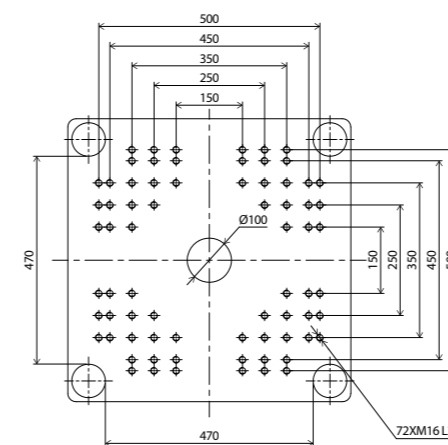
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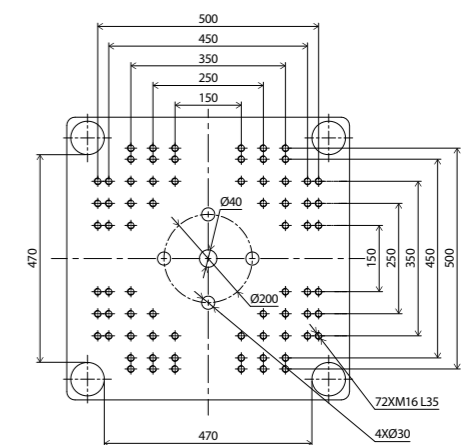
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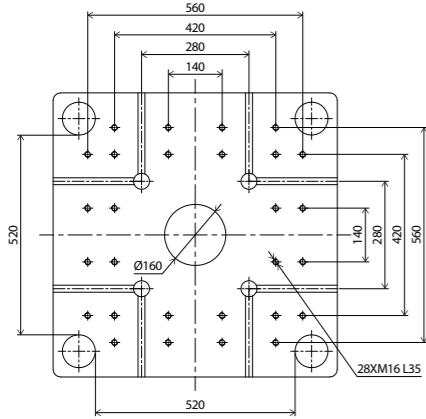


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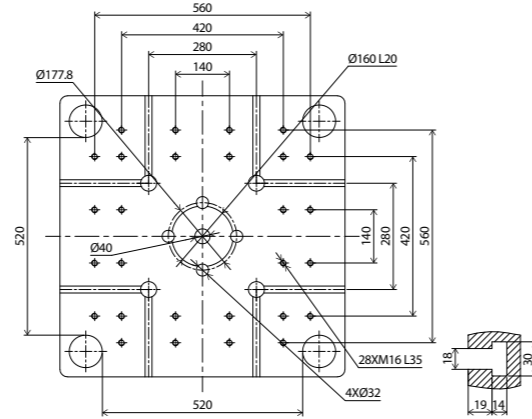


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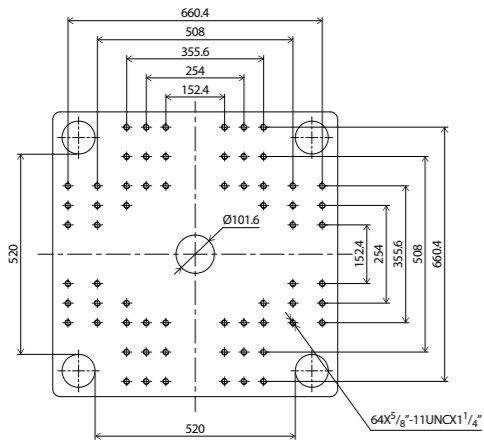
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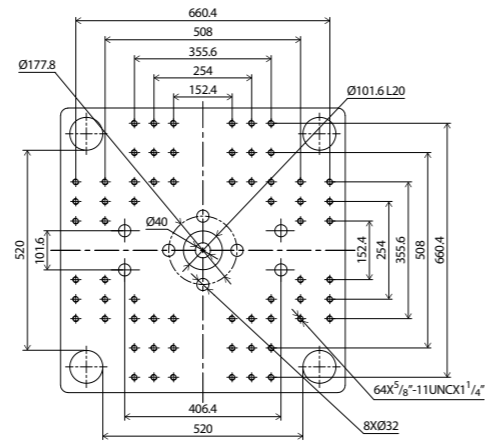
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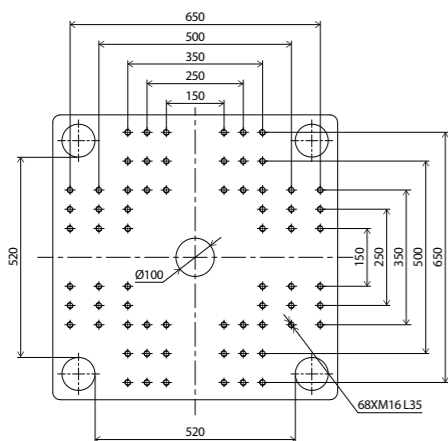
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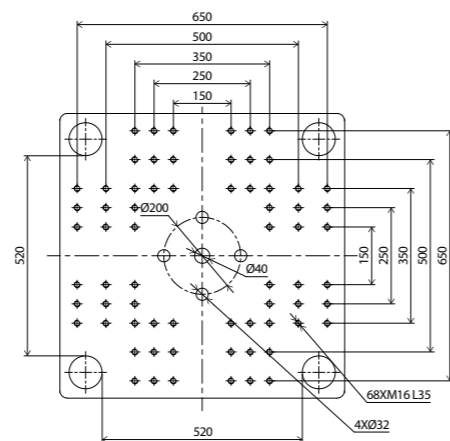
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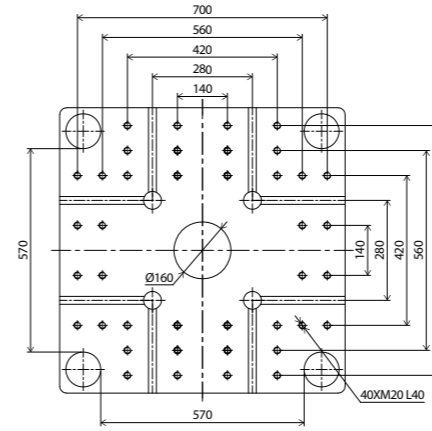
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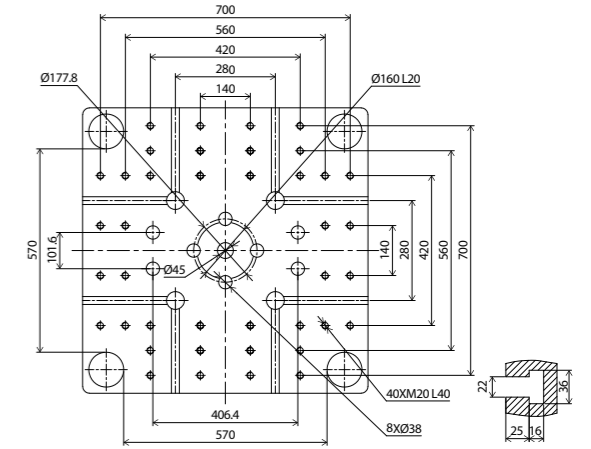
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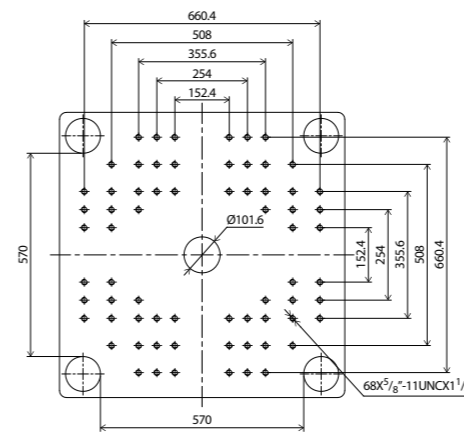
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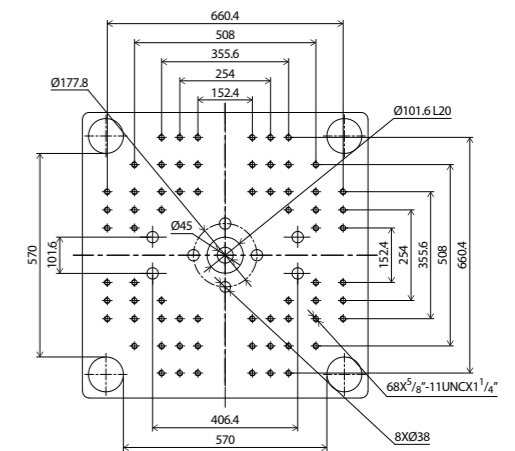
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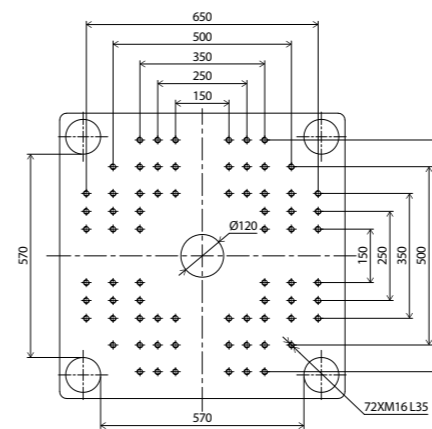
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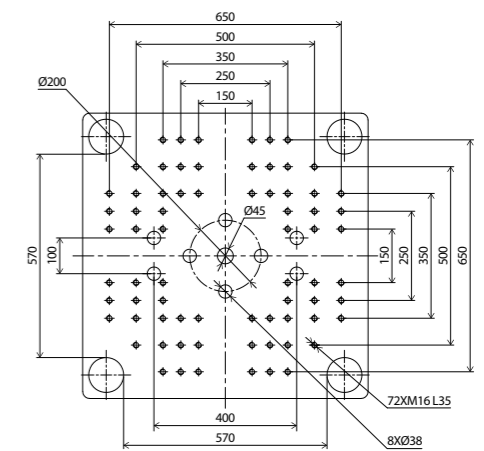
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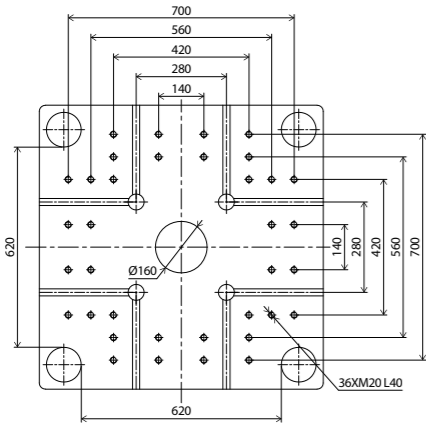
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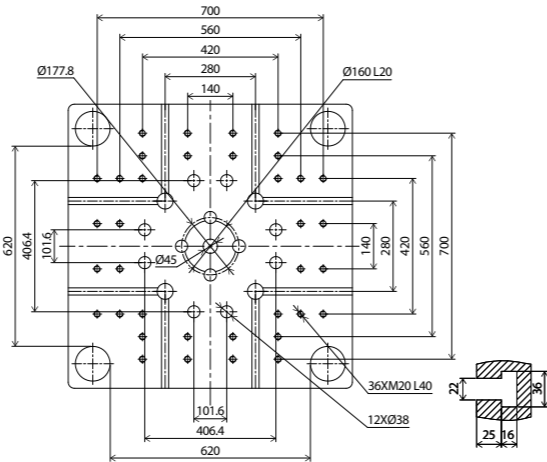
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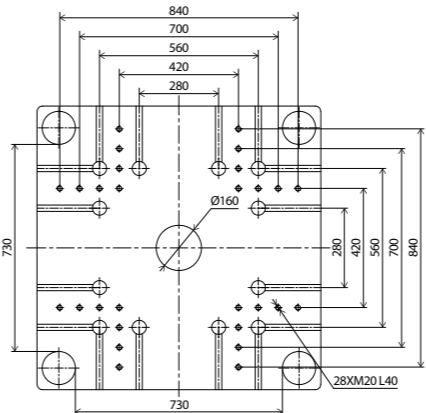
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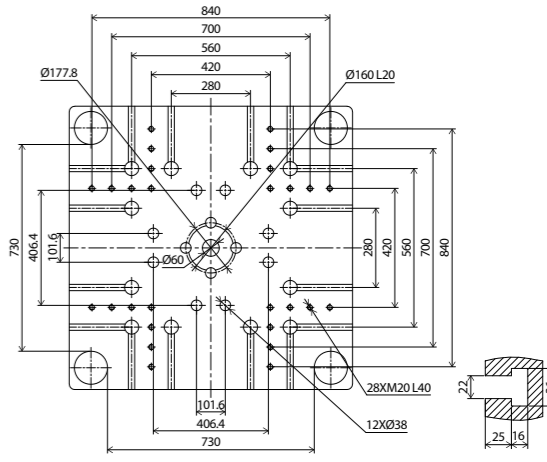
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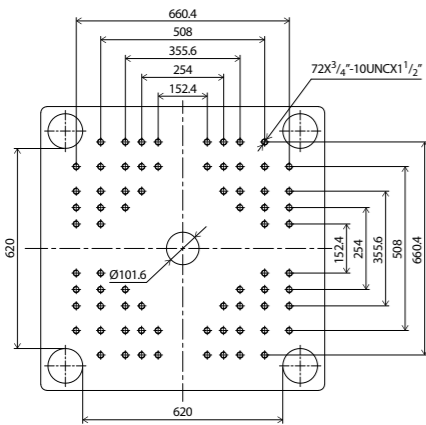
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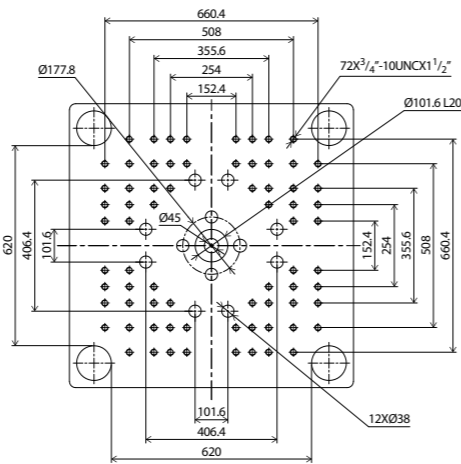
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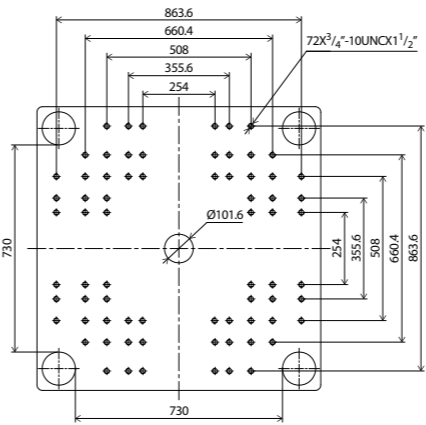
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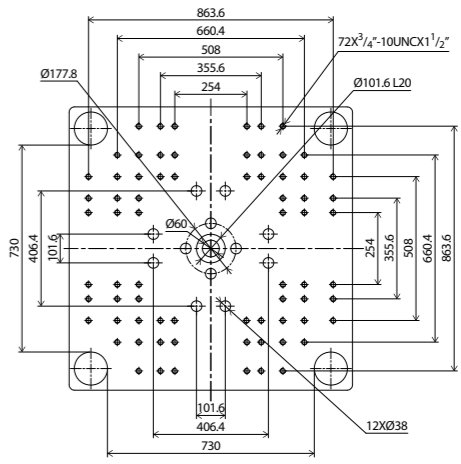
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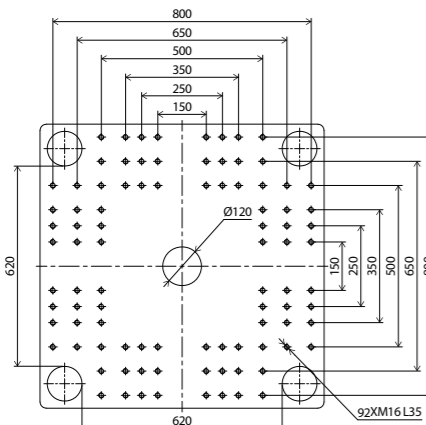
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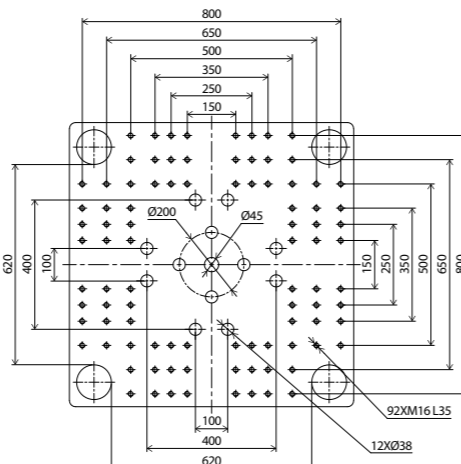
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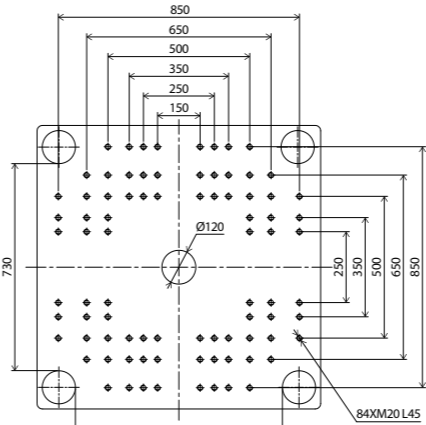
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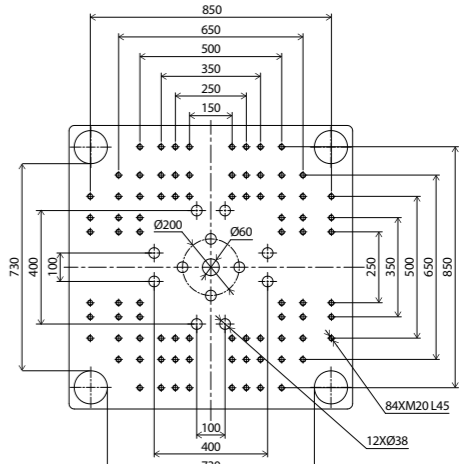
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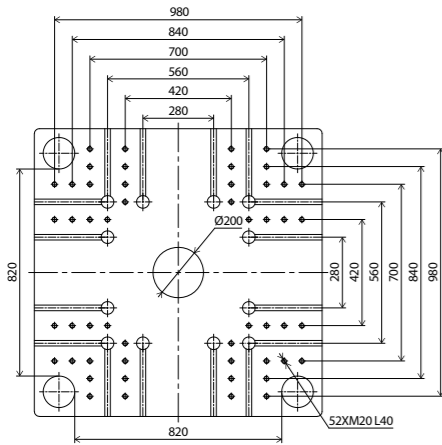
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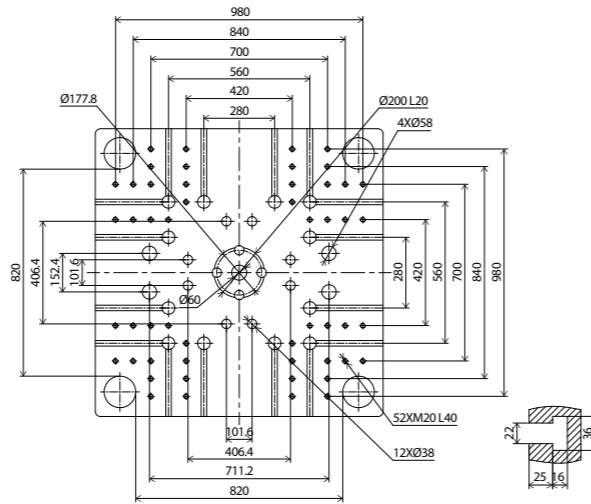
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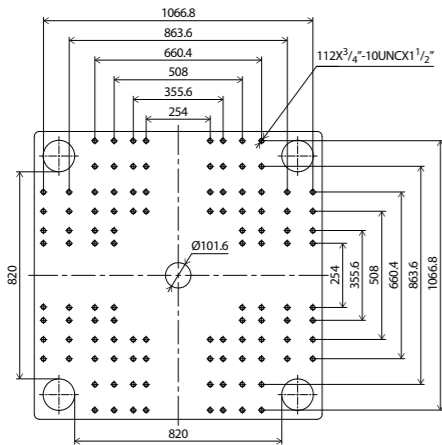
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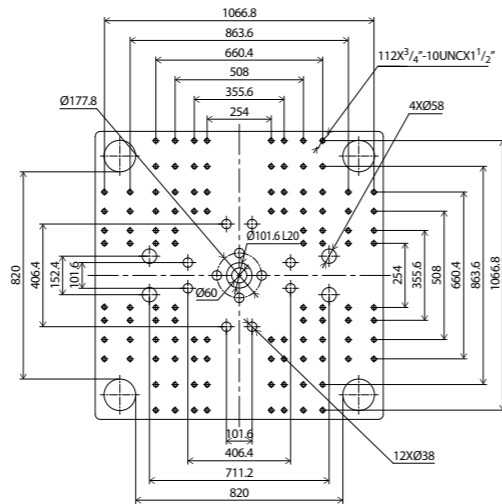
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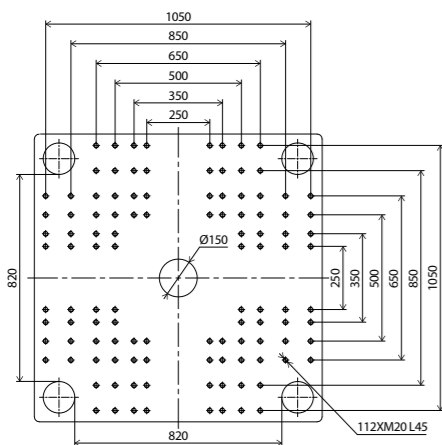
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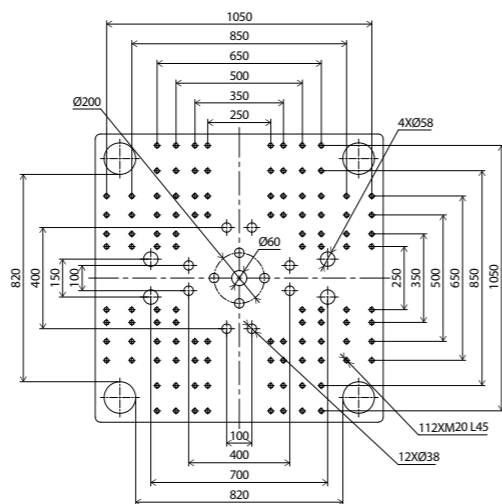
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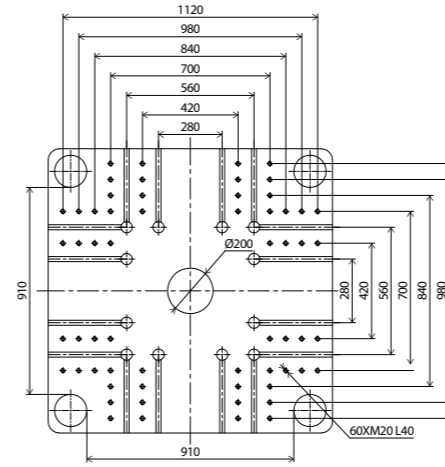
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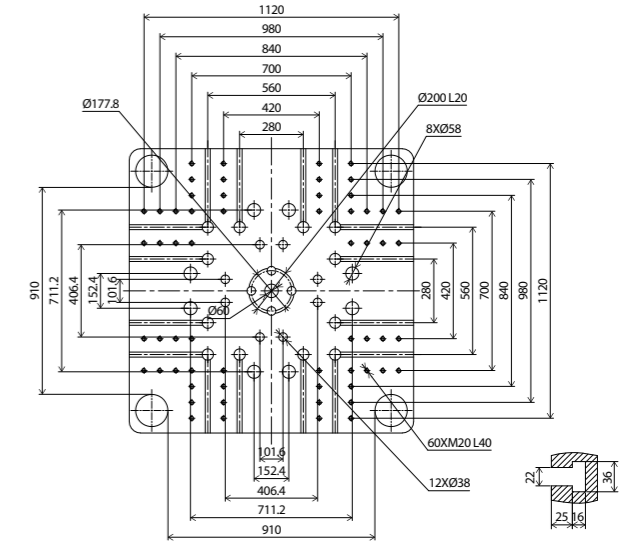
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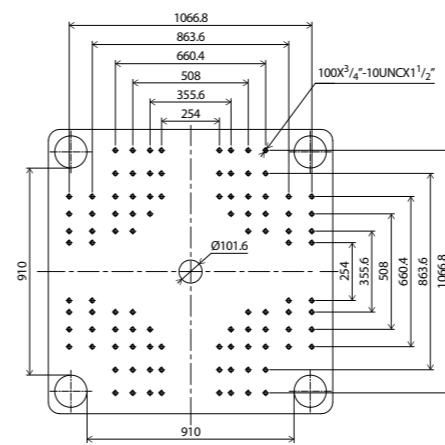
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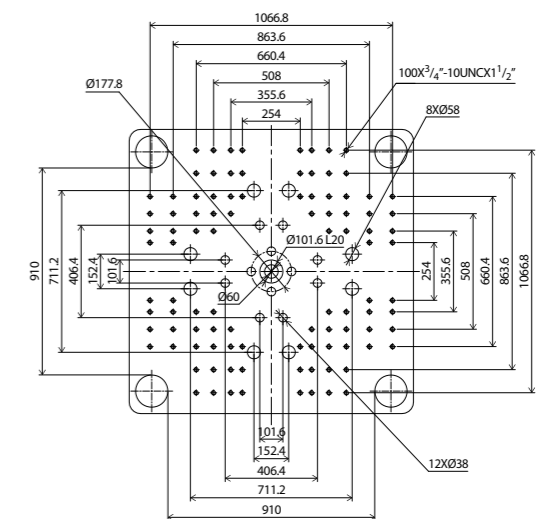
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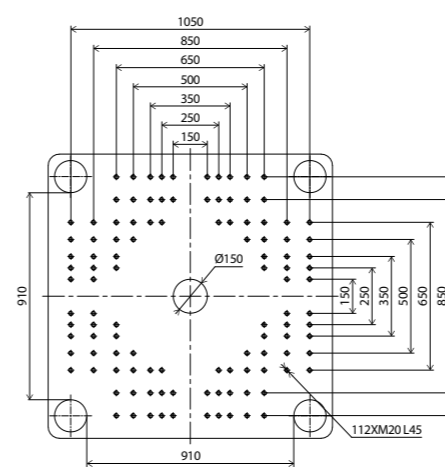
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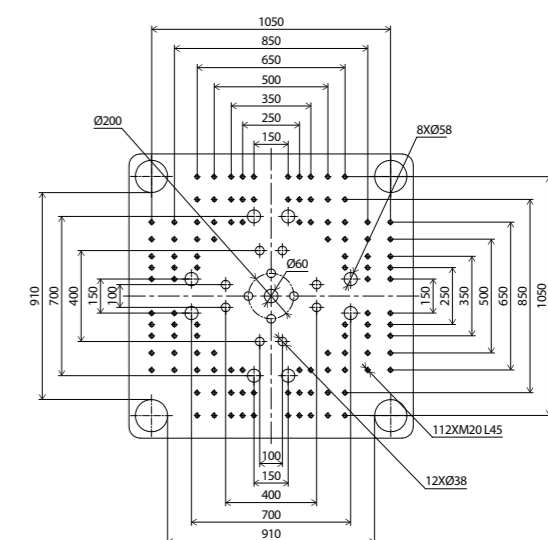
MOVABLE PLATEN



JAPANESE VERSION
FIXED PLATEN



MOVABLE PLATEN



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STANDARD EQUIPMENT LIST

GENERAL EQUIPMENT

- » Basic safety device according to GB/22530
- » ZHAFIR colors: RAL9010, RAL5003
- » Power supply: 380VAC, 3PH+N+PE
- » Sigmatek controller, 15.1 inch touch screen
- » Injection, dosing, platen movement and ejector movement driven independently by servo motor, optical encoder position detection
- » LUBE central lubrication system

INJECTION UNIT

- » Abrasion-resistant screw set, general version
- » Open nozzle
- » Barrel heating temperature PID control, SSR
- » Extended nozzle, temperature PID control independently
- » Feeding zone temperature closed-loop control
- » Injection speed 6 steps
- » Speed responding mode adjustable
- » Holding pressure 4 steps
- » Pressure responding mode adjustable
- » V/P switch over methods by position/ time/ pressure combinations
- » Dosing rotation speed 3 steps
- » Back pressure 3 steps
- » HPM over-filling protection function
- » Screw retraction before and/or after dosing
- » Auto purge

CLAMPING UNIT

- » 5-point twin toggle mechanism
- » Center pressing platen
- » Clamping force settable at control panel
- » Automatic mold-height adjustment
- » Platen moving speed 6 steps
- » AI mold protection
- » Clamping force pre-release
- » Ejector speed 3 steps
- » Ejector pressure 3 steps
- » Multi ejection function
- » Ejection parallel to mold opening

FUNCTIONS & CONTROLS

- » Multi-language available (Chinese, German, English, Japanese etc.)
- » Metric/Imperial unit selectable
- » Dosing parallel to mold opening
- » Injection compression
- » Production assistant device function
- » Maintenance alert
- » 5000 cycles process data recording
- » Amendment report
- » Alarm record
- » Quality control function
- » Mold profile data memory (up to 200 sets)
- » 2 USB interface
- » USB printer interface
- » Injection speed & pressure curve
- » 1 free programmable I/O
- » Mold ejector protection interface
- » EUROMAP 12 interface for handling device
- » Auxiliary socket 3PH/380V 32A×1, 16A×2
- » 3 color alarm lamp (red/yellow/green)

OTHERS

- » Tool kit & spare parts package
- » Leveling pads
- » Documents with machine
- » Operating manual

NOTE

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