

GD-Series

LIEN YU

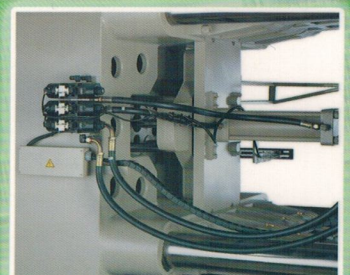
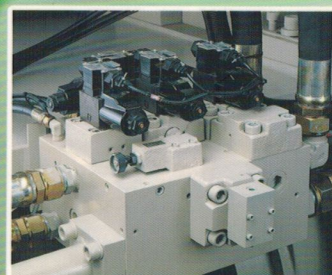
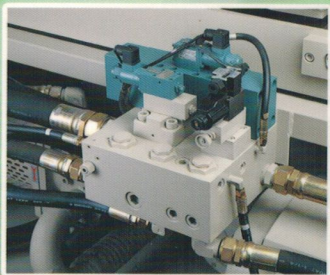
EURO INJ[®]

The Computerized
Injection Molding Machine



CE

Certificate No. 025-ET-1/2010
026-ET-1/2010



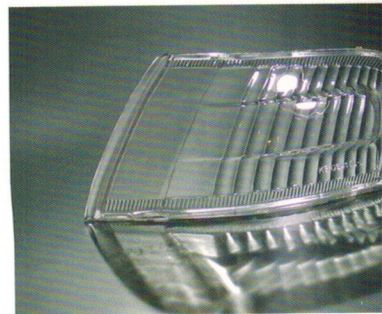
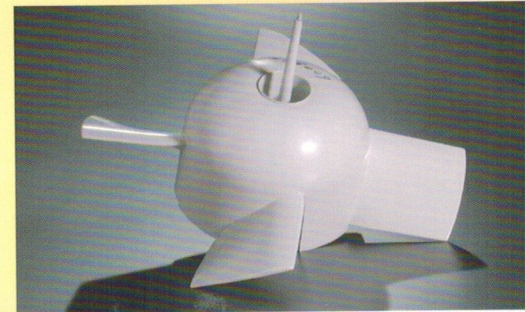
The New EURO D & G Series

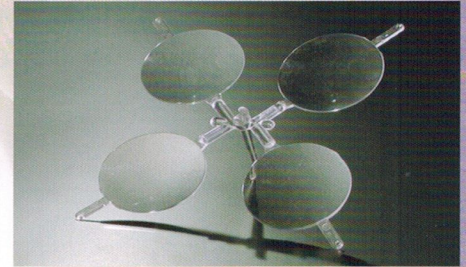
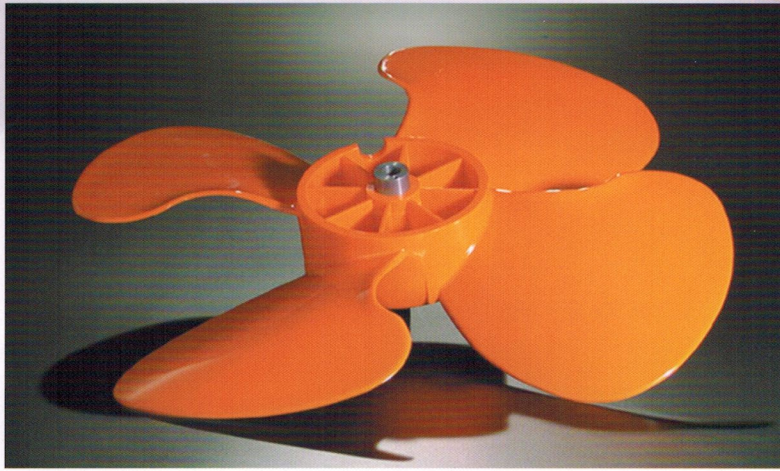
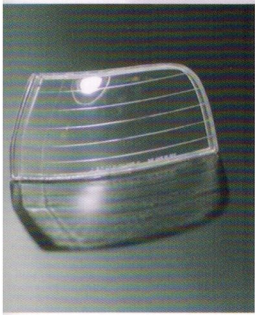
EURO INJ D & G Injection Molding Machines

Both are suitable to produce the smaller, lighter, precious of electronic components demanding from users

Absorbing the innovative technology of plastic injection molding machine in last many years . The new D/G series are developed into high performance'

The new molding environmental engineering is also introduced into the new series to improve the low- noise, working stability ,efficient management to reduce the runing cost



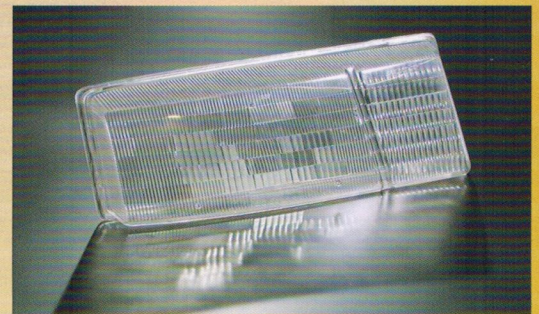
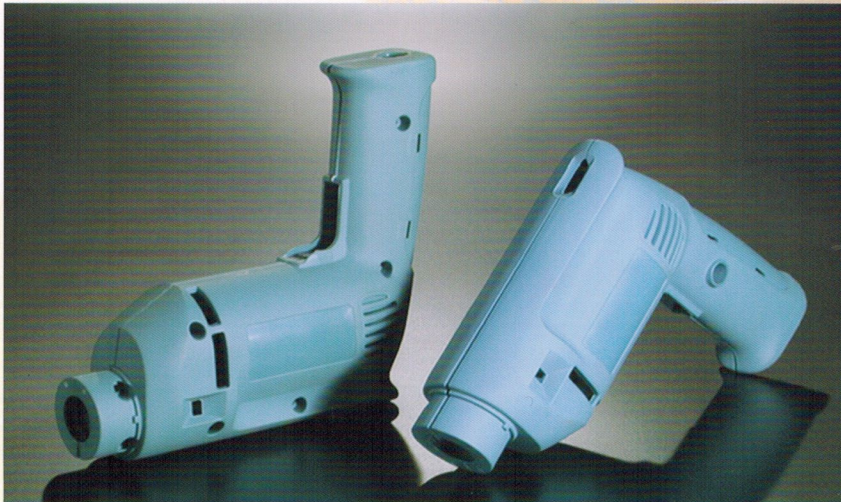


Brief History of Company

| | |
|---------------------|--|
| NOV. 1985 | Lien Yu was established at his old factory |
| FEB. 1986 | The first UF-1 series was built and into local market |
| MAY. 1986 | Opened overseas markets in Hong Kong and Malaysia |
| JUN. 1987-JUN, 1988 | Built and moved to now sited factory. |
| JUN. 1988-MAY 1996 | The first sino-british technical cooperation with A & A industrial Ltd in Taiwan. From the coopreation,we developed UF-II series of toggle and hydraulic mechanical clamping system into big machines. |
| MAY. 1997 | We developed the D and E series for cost consideration |
| AUG. 1998 | Expanded the factory from 4,000.0M2 TO 6,000.0M2 |
| SEPT. 1998 | Opened the 1st factory in Mainland China |
| OCT. 2002 | The new D/G toggle types with high performance into market |

With all your supports in last many years, Lien Yu has established many overseas agents around the world. Therefore, you are welcome to contact with.

| | Taiwan Factory | Mainland China |
|--------------------|--------------------------------|-------------------------------|
| Capital | USD 2,000,000.00 | USD 1,000,000.00 |
| Employee | 80 | 40 |
| Factory | 6000 M2 | 6000 M2 |
| Producing Capacity | 80-1600 TONS (800-16000 KN) | 80- 650 TONS (800-6500 KN) |
| Monthly Capacity | 60 Units | 40 Units |



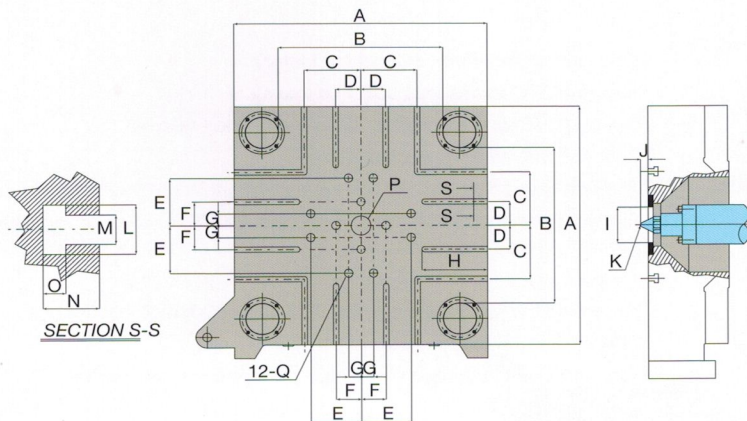
Injection Molding Machines (Toggle Type)

High Rigidity, Durability, Efficiency

There are thousand units of D-series toggle type in the world. They have showed to the users of their performance

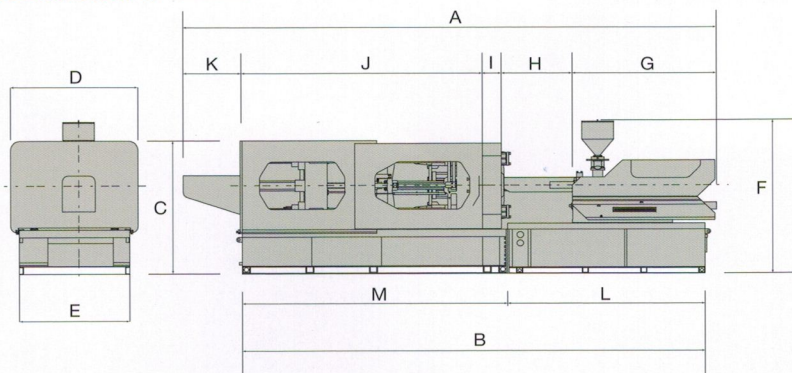
With the concept to reach higher standard, we spent all the cost in researching the molding technology to offer a fast, accuracy, reliability stability to user.(details will be introduced in next pages)

Platen Pattern

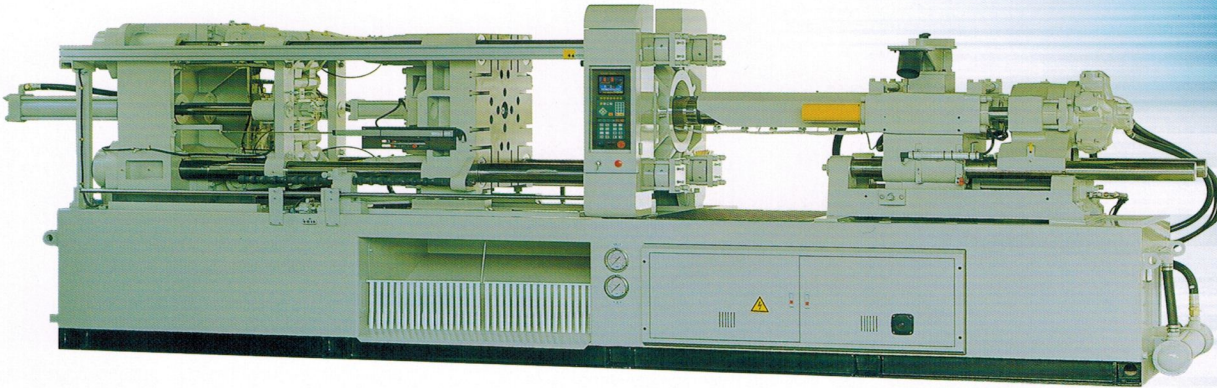
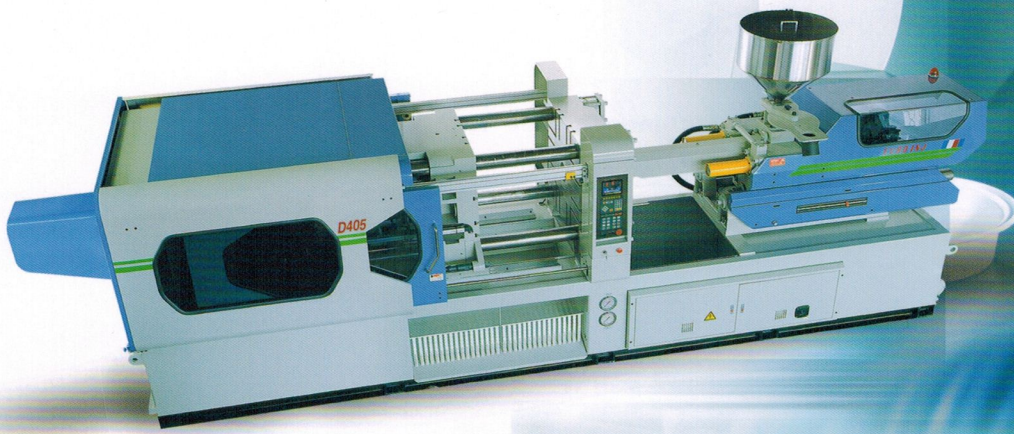


| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q |
|------|------|-----|-----|-----|-----|-----|----|-----|------|----|-----|----|----|----|----|------|-----|
| D305 | 850 | 560 | 200 | | | | | 200 | | | | | | | | | |
| D355 | 940 | 610 | | | | | | 230 | | | | 34 | 20 | 33 | 14 | | |
| D405 | 1005 | 660 | 225 | | | | | 260 | | | R10 | | | | | φ80 | φ34 |
| D455 | 1120 | 760 | 250 | 100 | 200 | 100 | 50 | 300 | φ150 | 30 | | | | | | | |
| D555 | 1250 | 860 | 300 | 125 | | | | 325 | | | R15 | 37 | 22 | 40 | 16 | φ100 | φ50 |

Machine Measure



| | A | B | C | D | E | F | G | H | I | J | K | L | M |
|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|
| D305 | 6580 | 5700 | 1960 | 1737 | 1470 | 2353 | 1790 | 865 | 270 | 3005 | 650 | | |
| D355 | 7149 | 6100 | 2045 | 1827 | 1560 | 2418 | 1940 | 964 | 280 | 2365 | 700 | | |
| D405 | 7740 | 6690 | 2150 | 1892 | 1625 | 2513 | 2100 | 1045 | 290 | 3505 | 800 | 2835 | 3885 |
| D455 | 8472 | 7351 | 2135 | 2007 | 1740 | 2473 | 2275 | 1122 | 300 | 3851 | 915 | 3120 | 4195 |
| D555 | 9640 | 8430 | 2137 | 2137 | 1870 | 2413 | 2500 | 1275 | 320 | 4445 | 1100 | 3530 | 4900 |



| | Model | Unit | D.305 | | | D.355 | | | D.405 | | | D.455 | | | D.555 | | |
|--------------|---------------------------|--------|-----------------|------|------|-----------------|------|------|------------------|------|------|------------------|------|------|------------------|------|------|
| Injection | Screw Diameter | mm | 55 | 60 | 65 | 60 | 65 | 70 | 65 | 70 | 75 | 70 | 75 | 80 | 75 | 80 | 90 |
| | Screw L/D Ratio | L/D | 21.8 | 20 | 18.4 | 21.6 | 20 | 18.5 | 21.5 | 20 | 18.6 | 21.4 | 20 | 18.7 | 21.3 | 20 | 17.7 |
| | Swept Volume | cc | 665 | 791 | 929 | 876 | 1028 | 1193 | 1128 | 1308 | 1502 | 1423 | 1634 | 1859 | 1811 | 2060 | 2608 |
| | Max shot Weight (P. S.) | g | 589 | 712 | 836 | 788 | 925 | 1073 | 1015 | 1177 | 1351 | 1281 | 1471 | 1673 | 1630 | 1854 | 2347 |
| | | oz | 21.1 | 25.1 | 29.4 | 27.8 | 32.6 | 37.8 | 35.8 | 41.5 | 47.6 | 45.2 | 51.8 | 59 | 57.5 | 65.4 | 82.8 |
| | Max Injection Pressure | bar | 1999 | 1680 | 1431 | 2022 | 1723 | 1485 | 1968 | 1697 | 1478 | 1872 | 1631 | 1433 | 2116 | 1860 | 1470 |
| | Mas Injection Rate | g/sec | 196 | 233 | 274 | 245 | 287 | 333 | 290 | 336 | 386 | 316 | 363 | 413 | 412 | 469 | 594 |
| Screw Stroke | mm | 280 | | | 310 | | | 340 | | | 370 | | | 410 | | | |
| Clamping | Max Locking Force | tonne | 305 | | | 355 | | | 405 | | | 455 | | | 555 | | |
| | Max Opening Stroke | mm | 520 | | | 590 | | | 640 | | | 700 | | | 900 | | |
| | Min Mold Height | mm | 200 | | | 200 | | | 200 | | | 200 | | | 300 | | |
| | Max Mold Height | mm | 700 | | | 750 | | | 800 | | | 900 | | | 1000 | | |
| | Max Daylight | mm | 1220 | | | 1340 | | | 1440 | | | 1600 | | | 1900 | | |
| | Space between tie bars | mm | 560 x 560 | | | 610 x 610 | | | 660 x 660 | | | 760 x 760 | | | 860 x 860 | | |
| | Diameter of tie bars | mm | 110 | | | 120 | | | 125 | | | 130 | | | 145 | | |
| | Max Ejector forward Force | tonne | 7.03 | | | 8.9 | | | 11 | | | 13.3 | | | 15.8 | | |
| | Max Ejector Stroke | mm | 165 | | | 180 | | | 200 | | | 225 | | | 275 | | |
| General | Pump Drive Motor | kw(HP) | 30 (40) | | | 37 (50) | | | 45 (60) | | | 45 (60) | | | 56 (75) | | |
| | Hydraulic Pressure | bar | 140 | | | 140 | | | 140 | | | 140 | | | 140 | | |
| | Heating Capacity | kw | 13 | | | 16 | | | 19 | | | 22 | | | 25 | | |
| | Number of Heating Zones | qty | 4+N | | | 4+N | | | 4+N | | | 5+N | | | 5+N | | |
| | Oil Filling | liter | 800 | | | 960 | | | 1100 | | | 1200 | | | 1300 | | |
| | Machine Dimension(LxWxH) | m | 6.6 x 1.8 x 2.0 | | | 7.2 x 1.9 x 2.1 | | | 7.8 x 1.95 x 2.2 | | | 8.5 x 2.0 x 2.15 | | | 9.7 x 2.2 x 2.15 | | |
| | Machine Weight, dry. | kgs | 12,000 | | | 14,500 | | | 17,500 | | | 21,000 | | | 28,000 | | |

- InInjection Weight=Calculated injection volume x gravity specific x 85%
- We reserve the right to amend the above figure without prior notice.

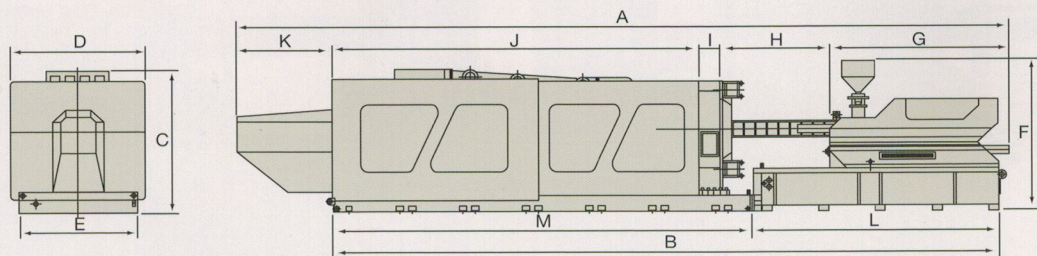
Injection Molding Machines (Toggle Type)

Although, we have E-series hydraulic-mechanical clamping system of big machine in the market. We still developed the G-series toggle type to satisfy the different required users.

The big machine will carry heavy two halves mold. The different mold shape and molding situation will effect the deformation under injection is proceeding, with the help of CAM & CAD, we developed the G series toggle type of big machine.

The G series are designed to have a modular combination. Both the injection unit and clamping unit are interchangeable for special purpose.

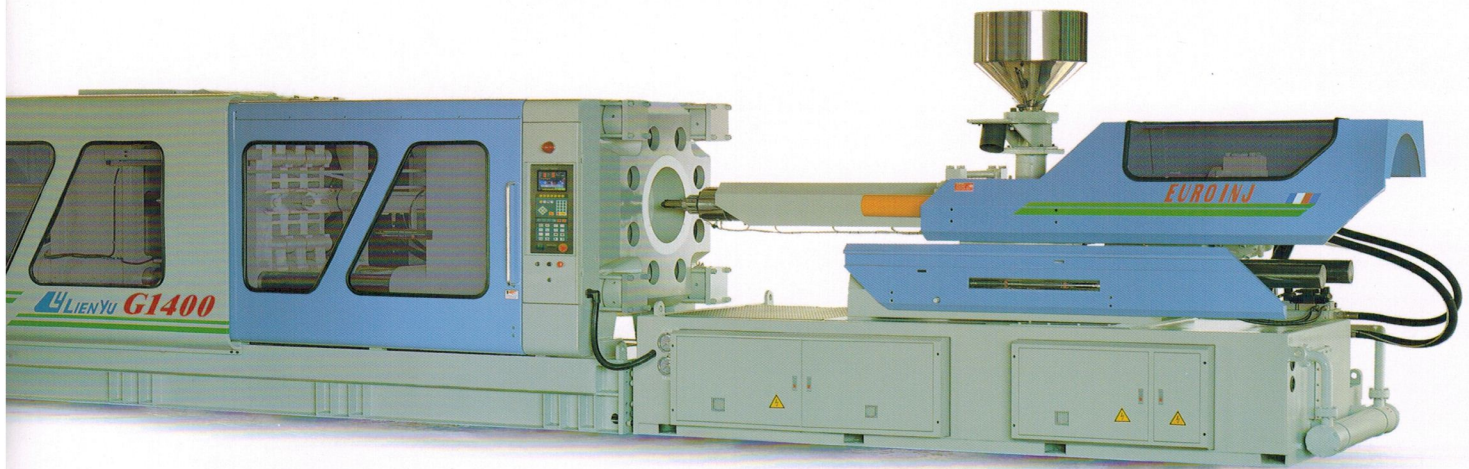
We also supply special options to offer a comprehensive machine to solve all injection molding tasks.



| | A | B | C | D | E | F | G | H | I | J | K | L | M |
|-------|-------|-------|------|------|------|------|------|------|-----|------|------|------|------|
| G0700 | 10774 | 9500 | 2235 | 2044 | 1688 | 2750 | 2740 | 1454 | 300 | 5000 | 1200 | 3900 | 5600 |
| G0900 | 11785 | 10340 | 2455 | 2194 | 1838 | 2900 | 2930 | 1645 | 400 | 5510 | 1300 | 4100 | 6240 |
| G1100 | 13209 | 11560 | 2615 | 2344 | 1979 | 3000 | 3230 | 1979 | 420 | 6080 | 1500 | 4600 | 6960 |
| G1400 | 14411 | 12600 | 2790 | 2514 | 2158 | 3100 | 3515 | 2176 | 430 | 6670 | 1620 | 4900 | 7700 |
| G1600 | 15321 | 13200 | 2975 | 2694 | 2338 | 3150 | 3545 | 2176 | 430 | 7270 | 1900 | 4900 | 8300 |
| G1900 | 16246 | 14125 | 3140 | 2814 | 2458 | 3370 | 3630 | 2356 | 450 | 7810 | 2000 | 5100 | 9025 |

| Injection | Model | Unit | G.700 | | | G.900 | | |
|--------------|---------------------------|---------|------------------|------|-------|-------------------|------|------|
| | | | mm | 95 | 105 | 95 | 105 | 110 |
| Injection | Screw Diameter | mm | 85 | 95 | 105 | 95 | 105 | 110 |
| | Screw L/D Ratio | L/D | 22.4 | 20 | 18.1 | 22.1 | 20 | 18.1 |
| | Swept Volume | cc | 2610 | 3261 | 3983 | 3615 | 4416 | 5290 |
| | Max shot Weight (P. S.) | g | 2349 | 2935 | 3585 | 3254 | 3974 | 4760 |
| | | oz | 82.7 | 103 | 126 | 115 | 140 | 166 |
| | Max Injection Pressure | bar | 2232 | 1787 | 1463 | 2057 | 1684 | 1400 |
| | Max Injection Rate | g/sec | 429 | 536 | 655 | 561 | 685 | 820 |
| Screw Stroke | mm | 460 | | | 510 | | | |
| Clamping | Max Locking Force | tonne | 700 | | | 900 | | |
| | Max Opening Stroke | mm | 1000 | | | 1150 | | |
| | Min Mould Height | mm | 400 | | | 500 | | |
| | Max Mould Height | mm | 1100 | | | 1200 | | |
| | Max Daylight | mm | 2100 | | | 2350 | | |
| | Space between tie bars | mm | 950 x 950 | | | 1050 x 1050 | | |
| | Diameter of tie bars | mm | 160 | | | 180 | | |
| | Max Ejector forward Force | tonne | 18.58 | | | 21.55 | | |
| | Max Ejector Stroke | mm | 300 | | | 350 | | |
| General | Pump Drive Motor | kw (HP) | 75 | 100 | 93.75 | 120 | | |
| | Hydraulic Pressure | bar | 140 | | | 140 | | |
| | Heating Capacity | kw | 3000 x 10 + 700W | | | 3700 x 10 + 1000W | | |
| | Number of Heating Zones | qty | 5+N | | | 5+N | | |
| | Oil Filling | liter | 1756 | | | 2068 | | |
| | Machine Dimensions(LxWxH) | m | 10 x 2.3 x 2.7 | | | 11.8 x 2.2 x 2.9 | | |
| | Machine Weight | tonne | 40 | | | 51 | | |
| | International | EUROMAP | 5825 | 700 | 7436 | 9000 | | |

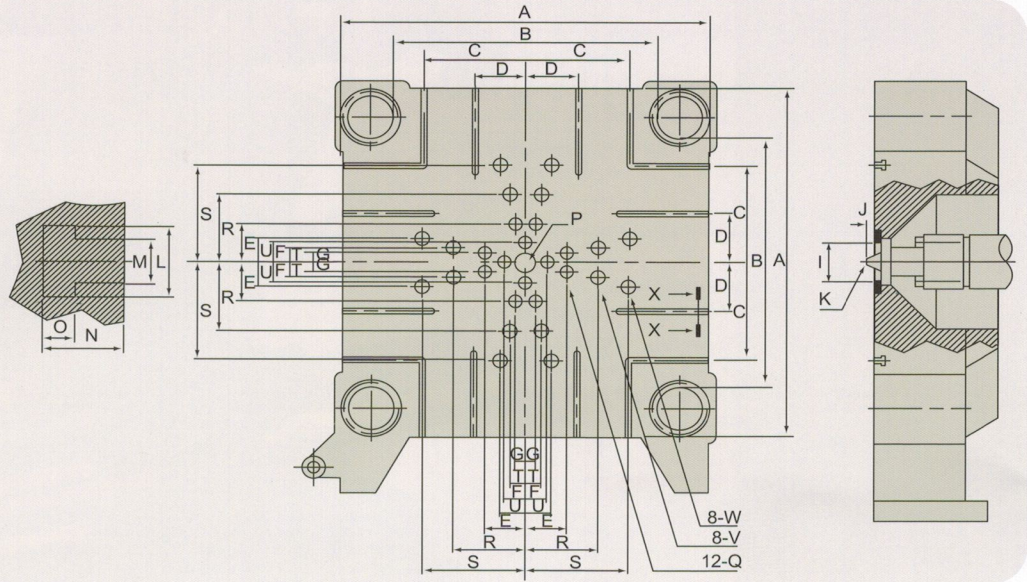
- InJection Weight=Calculated injection volume x gravity specific x 85%
- We reserve the right to amend the above figure without prior notice.



| | A | B | C | D | E | F | G | H |
|-------|------|------|-----|-----|-----|-----|----|-----|
| G0700 | 1380 | 950 | 350 | 150 | | | | 400 |
| G0900 | 1530 | 1050 | 400 | 175 | | | | |
| G1100 | 1680 | 1150 | 450 | 225 | | | | |
| G1400 | 1850 | 1275 | 500 | 250 | 200 | 100 | 50 | 450 |
| G1600 | 1970 | 1400 | 500 | 250 | | | | |
| G1900 | 2150 | 1500 | 550 | 275 | | | | 500 |

| | I | J | K | L | M | N | O | P |
|-------|------|----|-----|----|----|----|----|------|
| G0700 | φ150 | | | | | | | |
| G0900 | | 40 | R15 | | | | | |
| G1100 | | | | | | | | |
| G1400 | φ200 | | | 46 | | 50 | 20 | φ100 |
| G1600 | | | R20 | | | | | φ120 |
| G1900 | | 50 | | 56 | 36 | 65 | 25 | |

| | Q | R | S | T | U | V | W |
|-------|-----|-----|-----|----|-----|-----|-----|
| G0700 | | | | | | | |
| G0900 | | | | | | φ70 | |
| G1100 | | | | | | | |
| G1400 | φ60 | 350 | | 75 | | φ70 | |
| G1600 | | | 500 | | 125 | | φ70 |
| G1900 | | | | | | | |

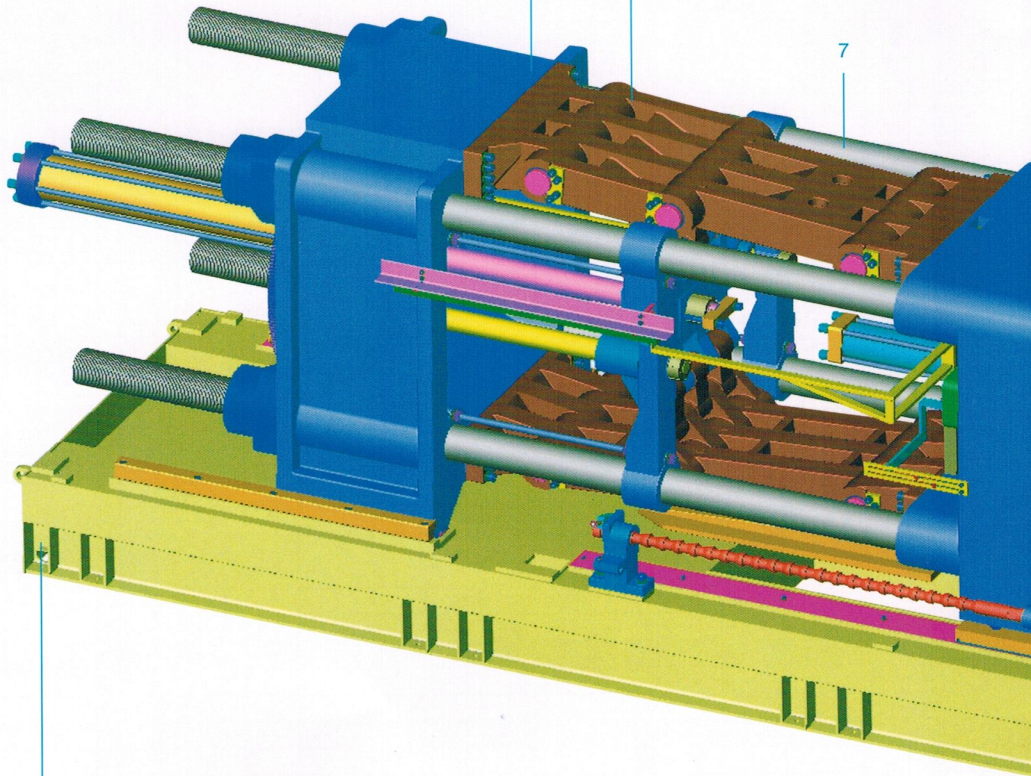
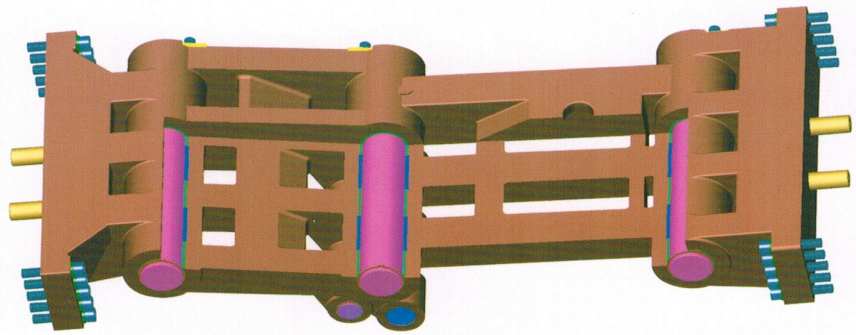


| G.1100 | | G.1400 | | G.1600 | | G.1900 | | G.2300 | | | | | | |
|-------------------|------|------------------|------|------------------|------|------------------|------|------------------|------|-------|-------|-------|-------|-------|
| 105 | 115 | 130 | 115 | 125 | 140 | 125 | 130 | 140 | 125 | 140 | 150 | 135 | 150 | 165 |
| 23 | 21 | 18.6 | 22.8 | 21 | 18.8 | 208 | 20 | 18.57 | 22.4 | 20 | 18.67 | 22.22 | 20 | 18.18 |
| 4936 | 5921 | 7566 | 6440 | 7609 | 9544 | 7977 | 8628 | 10006 | 8345 | 10468 | 12017 | 10449 | 12900 | 15609 |
| 4442 | 5329 | 6809 | 5796 | 6848 | 8590 | 7179 | 7765 | 9005 | 7511 | 9421 | 10815 | 9404 | 11610 | 14048 |
| 156 | 188 | 240 | 204 | 241 | 303 | 253 | 273 | 317.1 | 265 | 331.7 | 380.8 | 331.1 | 408.8 | 494.7 |
| 2235 | 1863 | 1458 | 2089 | 1768 | 1410 | 1768 | 1635 | 1410 | 2102 | 1676 | 1460 | 2112 | 1711 | 1414 |
| 716 | 859 | 1098 | 831 | 982 | 1232 | 982 | 1063 | 1232 | 999 | 1254 | 1439 | 1175 | 1451 | 1756 |
| 570 | | 620 | | 650 | | 680 | | 730 | | | | | | |
| 1100 | | 1400 | | 1600 | | 1900 | | 2300 | | | | | | |
| 1300 | | 1450 | | 1600 | | 1750 | | 1900 | | | | | | |
| 600 | | 700 | | 800 | | 800 | | 900 | | | | | | |
| 1300 | | 1400 | | 1500 | | 1500 | | 1600 | | | | | | |
| 2600 | | 2850 | | 3100 | | 3250 | | 3500 | | | | | | |
| 1150 x 1150 | | 1275 x 1275 | | 1400x1400 | | 1500 x 1500 | | 1700 x 1700 | | | | | | |
| 200 | | 220 | | 240 | | 250 | | 280 | | | | | | |
| 24.74 | | 28.15 | | 28.15 | | 31.78 | | 35.63 | | | | | | |
| 400 | | 450 | | 450 | | 500 | | 550 | | | | | | |
| 123.75 | 165 | 138.75 | 185 | 138.75 | 185 | 165 | 220 | 195 | 260 | | | | | |
| 140 | | 140 | | 140 | | 140 | | 140 | | | | | | |
| 4700 x 10 + 1100W | | 4400x12+1200W | | 4400x12+1200W | | 2400x24+1500W | | | | | | | | |
| 5+N | | 5+N | | 5+N | | 6+N | | 6+N | | | | | | |
| 2608 | | 2794 | | 2794 | | 3419 | | 4200 | | | | | | |
| 13.2 x 2.4 x 3 | | 14.4 x 2.5 x 3.1 | | 15.3 x 2.7 x 3.2 | | 16.3 x 2.8 x 3.4 | | 19.0 x 3.4 x 3.8 | | | | | | |
| 67 | | 90 | | 120 | | 160 | | 210 | | | | | | |
| 11031 | 1100 | 13453 | 1400 | 13452 | 1600 | 17541 | 1900 | 22068 | 2500 | | | | | |

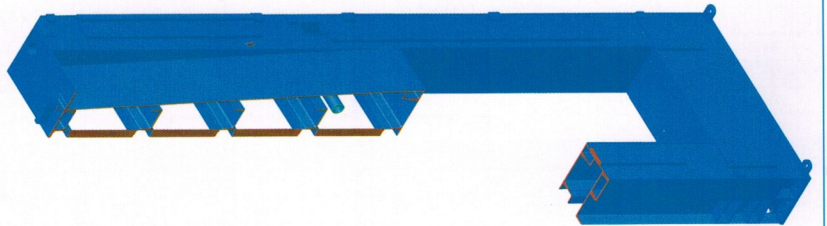
The New EURO D & G Series

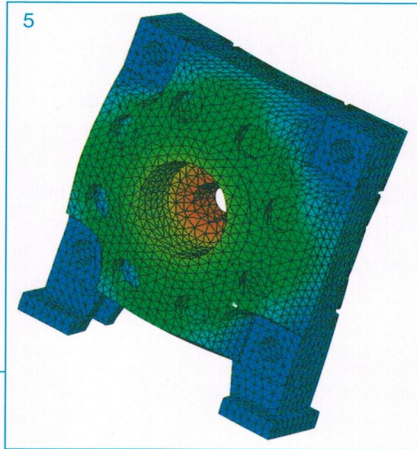
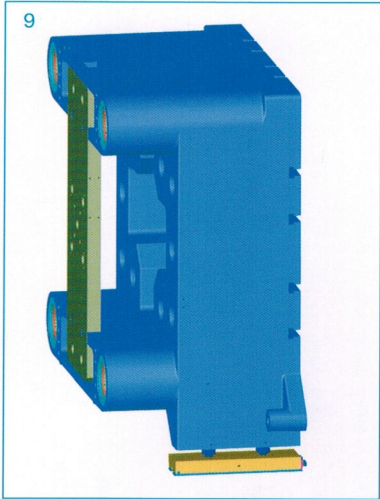
EURO INJ D & G Injection Molding Machines

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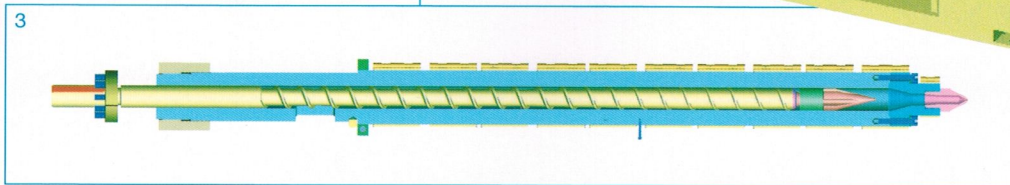
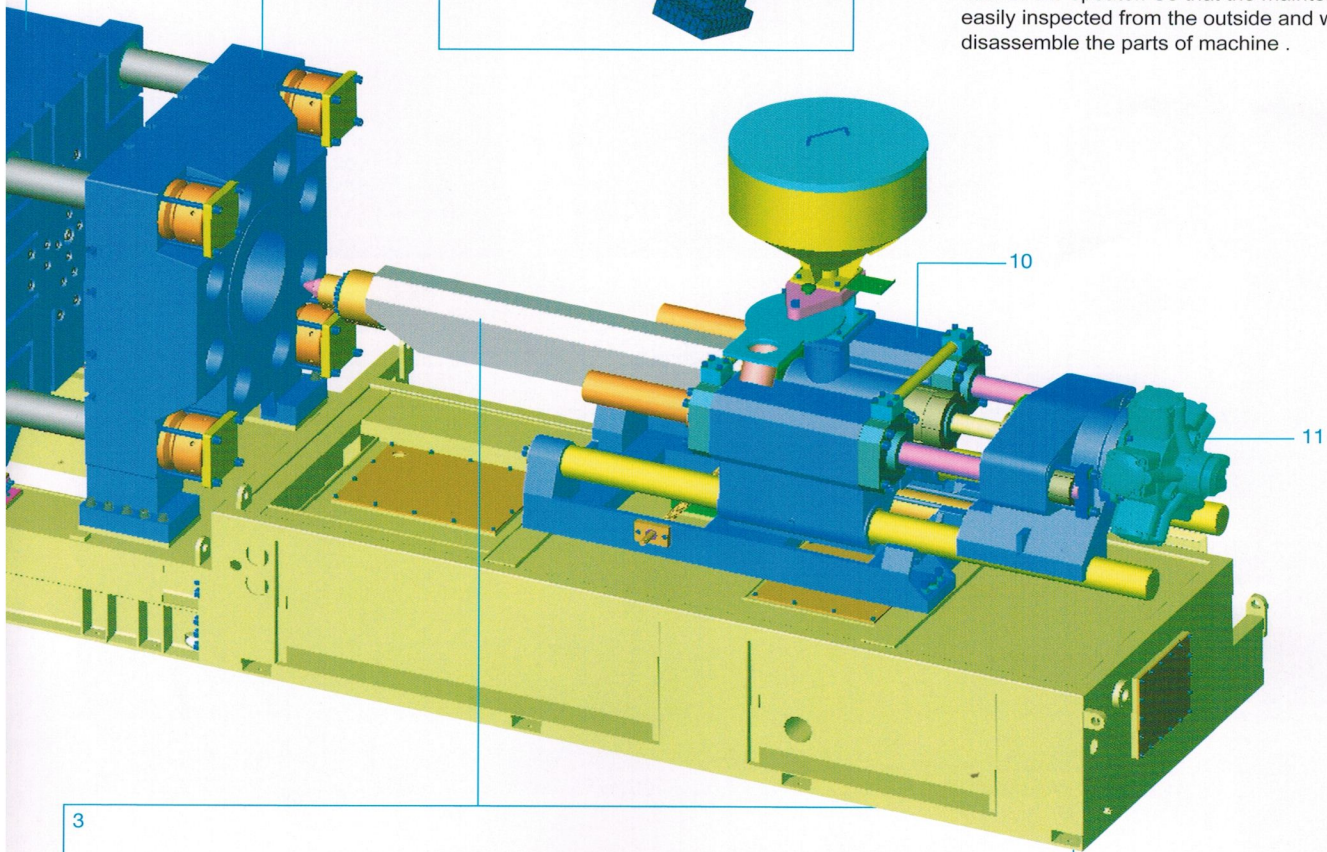
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The New Philosophy of Injection Molding Technology.

1. Five-point toggle clamp provides a fast opening & closing
2. T-way of production drop hole for easy fixing the conveyor (only small machine)
3. Fine flow control concept is built-in the screw design giving a stable melting pressure and speed.
4. C / frame steel gives a super rigidity to the chassis and in reduces the weight
5. High rigid FCD45 cast steel
6. T slot platens for fast mold fitting
7. High Tensile steel tie bar with chromium-plated and precious grinding.
8. High density of steel bushing/enforced automatic lubrication system will prolong the toggle life..
9. Moving platen of sturdy box-type will reduce the deformation of platens and tie bars at injection is proceeding.
10. Compact injection unit gives a stable injection pressure/ speed
11. Optioned hydraulic motor gives high torque or fast speed for different material requirement.
12. All hydraulic valves and manifolds are fixed clearly near to the operator. So that the maintenance can be easily inspected from the outside and without having to disassemble the parts of machine .



The New EURO D & G Series

EURO IaNJ D & G Injection Molding Machines

Once you set, then every thing is finished.

The EMPC-9000 micro-computer based control system offers both high speed, yet simple operation. The display of both productions and engineering data with the latter being accessed by a password to prevent unauthorized access.

For normal operation there are eight screen pages of data and all main parameters such as speeds, pressures, strokes, time intervals and temperatures can be set on the screen.

As standard the internal memory can store data for up to twenty mould sets. To expand the mould storage data external memory cards can be supplied as optional equipment, each capable of storing data for twenty mould sets.

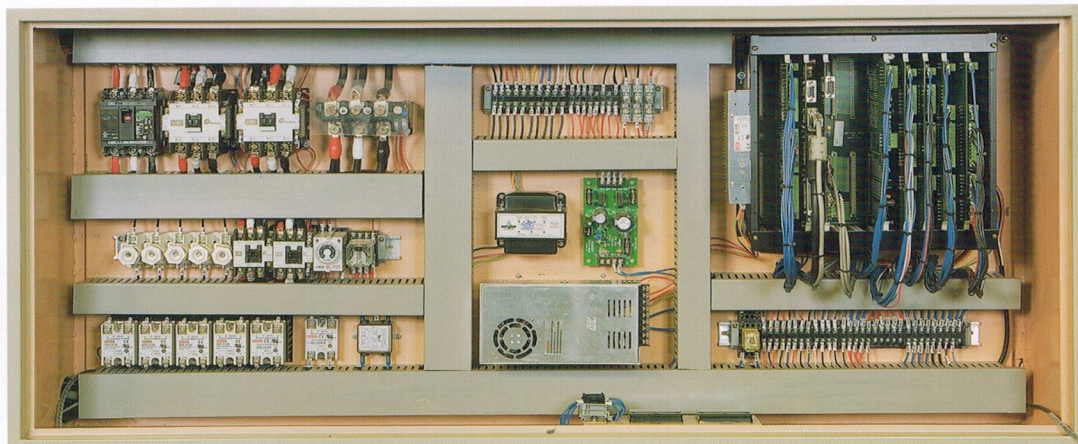
A voice synthesizer is incorporated to give audible alarm messages.

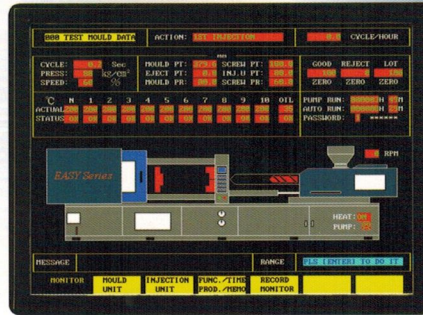
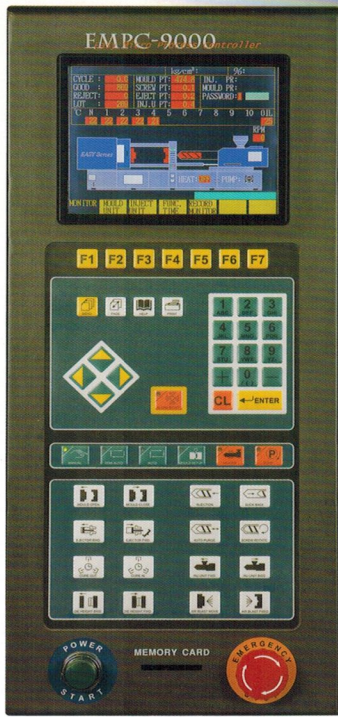
A further 6 screen pages are installed to give the following functions:

- Abnormal alarm analysis
- Input/output status
- Pre-heat timing
- Mould number allocation
- Print out setting (optional)
- Production quantity shut down

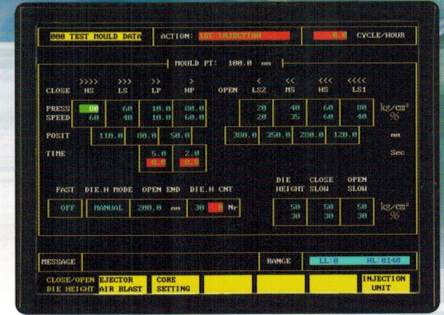
Optional features available:

- Display screen of enlarged size and with colour CRT
- RS232 interface for connection to host computer
- External memory card
- Dynamic display of the machine hydraulic system including phase pressures etc.

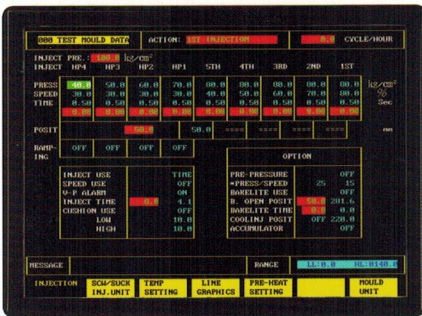




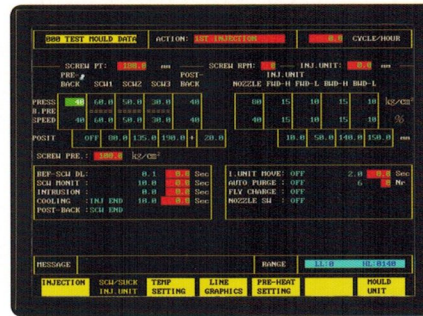
EP00 Working status



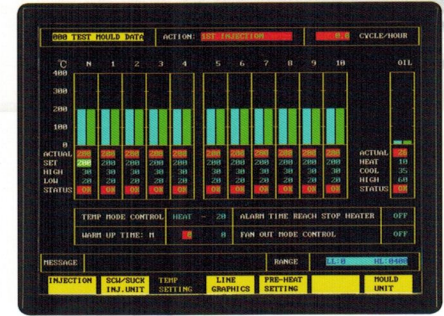
EP01 Molding open / close



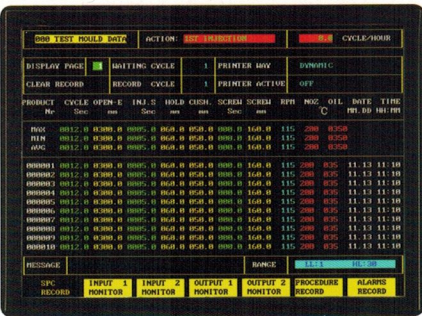
EP04 Injection / holding



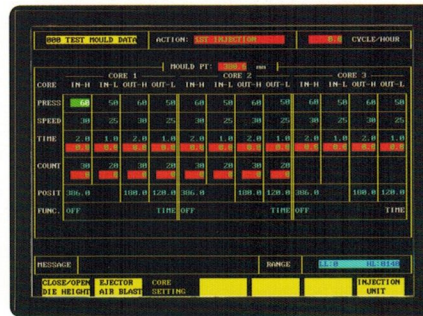
EP05 Charge / sucking back



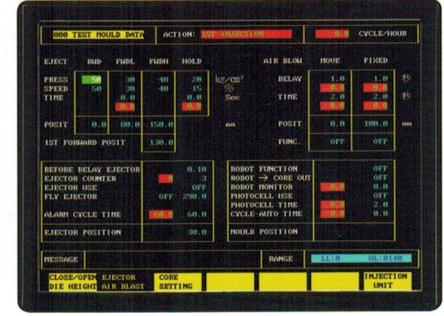
EP06 Zones temp adjust



EP21 Spc record



EP03 Core pull / turn



EP02 Ejection / air blast

EURO INJ G & D-series Injection Molding Machines

EURO INJ D & G Injection Molding Machines

Standard & Optional Equipment

ITEM

INJECTION UNIT

- Barrel/screw A.B.C. for choice
- Injection unit swivel device
- Injection 4 stages pressure/speed
- Holding 3 stages pressure/speed
- Plasticizing 2 stages pressure/speed
- Pre-extrusion before shooting
- The plasticizing & injection stroke are accurately controlled by linear transducer.
- Suck back circuit
- Screw cold-start preventing circuit
- Screw back pressure selection
- Pid temperature monitor to each heating zone of barrel
- Screw R.P.M (options)
- Electric back pressure controlled by monitor (options)
- Pre-Heating barrel temperature
- Accumlator for injection (options)
- Bimetallic barrel/screw set (options)
- Fast speed of hydraulic motor for charging (options)

ITEM

CLAMPING UNIT

- 3 stages pressure/speed of mold closing/opening
- Mold protection circuit
- Hydraulic ejector
- Hydraulic core system
- Mold stroke is controled by linear transducer
- Ejection stroke is adjusted by proximity switch (options by transducer)
- Auto die height adjustment by controller (only for small/middle machines)
- Electric/hydraulic/mechanical) interlocks to prevent the mold closing without guards being closed.
- Air blast
- Automatic lubrication device
- Hydraulic unscrewing device (options)
- Ejection is similtiously at mold is opening (options)

STANDARD EQUIPMENT

- Hopper dryer
- Hi pads
- Auto lubrication device
- Tool box

OFICINA Y CENTRO DE SERVICIO EN MEXICO
 JOSEFA ORTIZ DE DOMINGUEZ # 368 COL. AGUA BLANCA INDUSTRIAL
 TEL./FAX (33) 36-93-15-50 C.P. 45235 ZAPOPAN, JAL.

