

# HIGH-SPEED INJECTION MOLDING MACHINE

## AP-250H



**APEX-PLAS®**

# High injection speed and response

High injection speed and response is helpful to complete the mold cavity fast with accuracy. The characteristics can avoid the molding defect and reduce the cycle time.

The new single cylinder injection structure in AP series has the advantage over double cylinder injection structure. Avoid the asynchronous of balance problem, the new single cylinder injection structure design is more compact and stable to suit high injection speed molding.



## Mold

- Mold is designed for thin-wall product and high injection speed molding with hot runner and specially designed cooling circuit.
- Vacuum label absorbing structure enables the label feeding stably and without any mark.

## Microcomputer controller

## Mechanical illustration of remote monitor system AP-3000

| ITME                         | UNITS               | AP-110H |      |      | AP-150H |      |      | AP-200H |      |      | AP-250H |      |      | AP-300H |      |      | AP-350H |      |      | AP-450H |      |      |
|------------------------------|---------------------|---------|------|------|---------|------|------|---------|------|------|---------|------|------|---------|------|------|---------|------|------|---------|------|------|
| Screw diameter               | mm                  | 28      | 32   | 34   | 34      | 38   | 42   | 40      | 44   | 48   | 40      | 44   | 48   | 50      | 55   | 60   | 50      | 55   | 60   | 60      | 66   | 72   |
| Injection pressure           | kgf/cm <sup>2</sup> | 2890    | 2210 | 1960 | 2950    | 2360 | 1930 | 2780    | 2300 | 1930 | 2780    | 2300 | 1930 | 2860    | 2360 | 2360 | 1990    | 2860 | 2360 | 1990    | 2370 | 1650 |
| Shot weight of injection(PS) | gram                | 84      | 110  | 124  | 149     | 186  | 227  | 229     | 277  | 329  | 229     | 277  | 329  | 446     | 540  | 643  | 446     | 540  | 643  | 771     | 933  | 1111 |
| Mold clamping force          | tonf                | 110     |      |      | 150     |      |      | 200     |      |      | 250     |      |      | 300     |      |      | 350     |      |      | 450     |      |      |
| Mold clamping strokes        | mm                  | 370     |      |      | 420     |      |      | 470     |      |      | 500     |      |      | 550     |      |      | 645     |      |      | 730     |      |      |
| Mold thickness               | mm                  | 150-450 |      |      | 150-500 |      |      | 150-600 |      |      | 200-580 |      |      | 220-600 |      |      | 190-790 |      |      | 250-800 |      |      |
| Distance between tie bars    | mm                  | 410x410 |      |      | 460x460 |      |      | 510x510 |      |      | 560x560 |      |      | 610x610 |      |      | 680x680 |      |      | 760x760 |      |      |



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