



- Direct Hydraulic clamping (Ram Lock)
- Meant for High precision part manufacturing
- Lowest Maintenance Cost
- Large platen size for high cavity molds with hot runner system
- Cartridge Hydraulics makes smooth operation
- Rigid platens for lowest deflection
- User friendly controller

Producing high quality injection molded parts with effective power savings has become a standard requirement. Kestrel has been designed and built to meet these requirements and to deliver quality performance.

CLAMPING UNIT:

Direct hydraulic clamping with robust castings, large ram and rigid structures of moving and stationary platens provided for a deflection free clamping system. This is an essential requirement for molded part quality and mold life. High quality manufacturing helps to protect the mold even with the highest sensitivity.



HYDRAULICS:

Clamping and injection hydraulic designs with manifold design placed at appropriate positions bring about best possible hydraulic responses. Variable pump as a standard equipment is ideal for short cycle time and the servo system is an option for long cycle time production. This ensures best levels of power savings.



INJECTION UNIT:

A maintenance free double cylinder construction runs on a high quality LM guide. This enables the injection unit to respond to the injection profile to the highest levels and aids precise repeatability. Close looped injection, as an option, can be utilized for production of high precision industrial parts with graphical injection profiles.



PLASTEK - 125

| Specifications | Unit | A | B |
|--------------------------------------|-----------------------|--------------------|-------|
| INJECTION UNIT | | | |
| Screw Dia | mm | 40 | 45 |
| Injection Pressure | kgf/cm ² | 1980 | 1564 |
| Injection Volume | cm ³ | 213 | 270 |
| Shot Weight PS | gram | 190 | 243 |
| Shot Weight PE | gram | 153 | 175 |
| Screw Stroke | mm | 170+5 | 170+5 |
| Injection Rate (Max) | cm ³ / sec | 139 | 176 |
| Injection Speed (Max) | mm / sec | 110 | 110 |
| Plasticizing Capacity | kg / hr | 65 | 77 |
| Max Screw Speed | rpm | 350 | 350 |
| L/D Ratio | - | 20:01 | 18 |
| Nozzle Contact Force | Ton | 3.5 | 3.5 |
| Heater Capacity | kw | 6 | 6 |
| CLAMPING UNIT | | | |
| Clamp Force | Ton | 125 | |
| Mold Opening Force | Ton | 6 | |
| Mold Opening Stroke | mm | 540 | |
| Distance Between Tiebars | mm | 455 x 425 | |
| Platen Dimension | mm | 700 x 655 | |
| Maximum Day Light | mm | 740 | |
| Minimum Mold Height | mm | 200 | |
| Mold Closing Speed | m /min | 40 | |
| Mold Opening Speed | m /min | 40 | |
| Ejector Force | Ton | 3 | |
| Ejector Stroke | mm | 100 | |
| GENERAL | | | |
| Motor for Variable displacement pump | kw | 15 | |
| Machine Dimension (L X W X H) | mm | 4700 x 1300 x 2000 | |
| Oil Tank Capacity | Litre | 250 | |
| Machine Weight | Ton | 6.5 | |
| System Pressure | kgf/cm ² | 165 | |

*Screw A is Standard and B is Optional

Note : Above specifications subject to change without prior notice

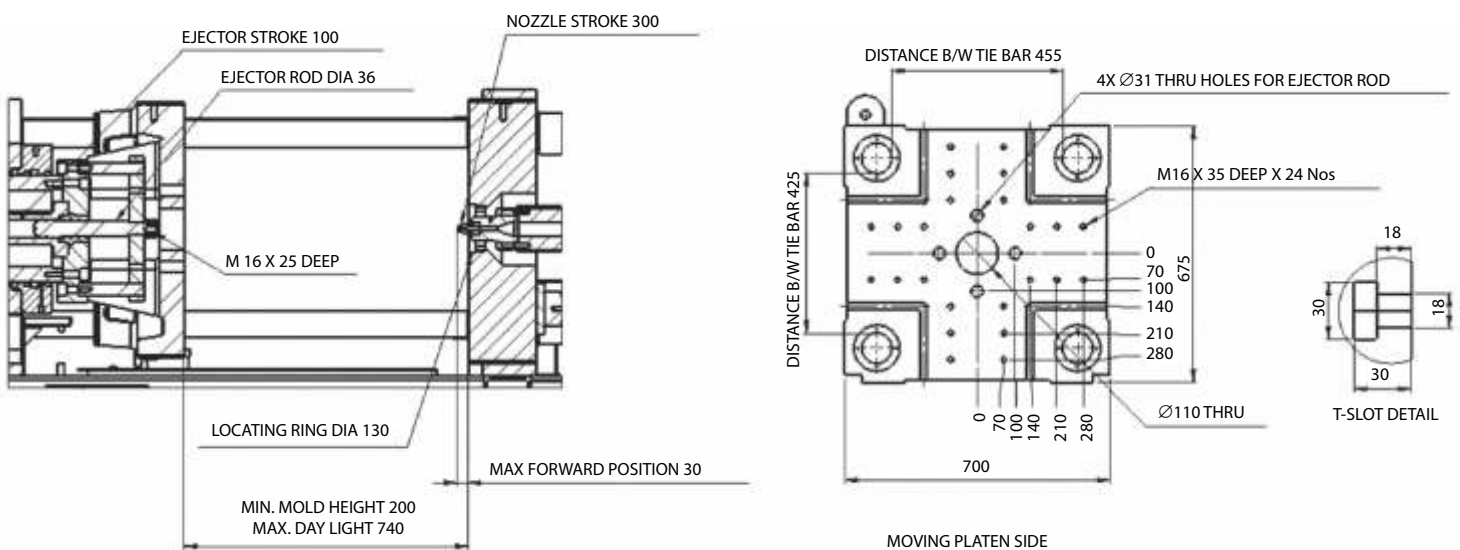
STD EQUIPMENT (CLAMP)

- Direct Hydraulic Clamping
- Infinitely variable clamping force
- Direct Clamp measurement
- Mold safety with 'Slow down' function for smooth mold close
- Clamp stroke with Linear Scale
- Safety door interlock

OPTIONAL:

- Hydraulic core pull
- Servo pump hydraulics
- Special nozzle heater
- Dual flow servo for better hold On
- Bimetallic screw barrel
- Hotsprue controller
- Closed loop Injection
- Back pressure control with proportional valve
- Mold close slow down with proportional valve
- Pneumatic ejection

PLATEN DIMENSIONS



ALL DIMENSIONS ARE IN MM

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