

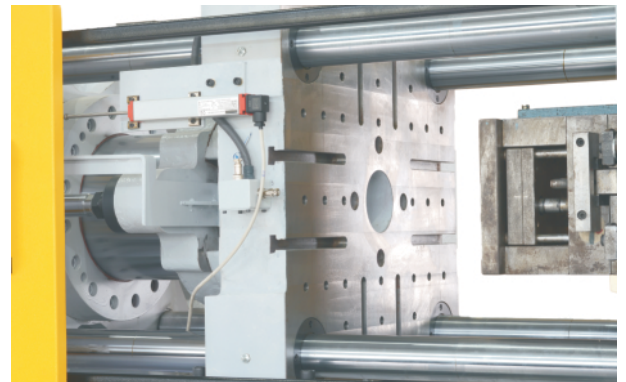


- Direct Hydraulic clamping (Ram Lock)
- Meant for High precision part manufacturing
- Lowest Maintenance Cost
- Large platen size for high cavity molds with hot runner system
- Cartridge Hydraulics makes smooth operation
- Rigid platens for lowest deflection
- User friendly controller

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. This is a Hybrid injection unit where plastisizing is done with a separate servo motor and hence there is a substantial power saving, reducing in heat build up of oil also support to get sustained accuracy with injection.



PLASTEK - 125 (Hybrid)

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

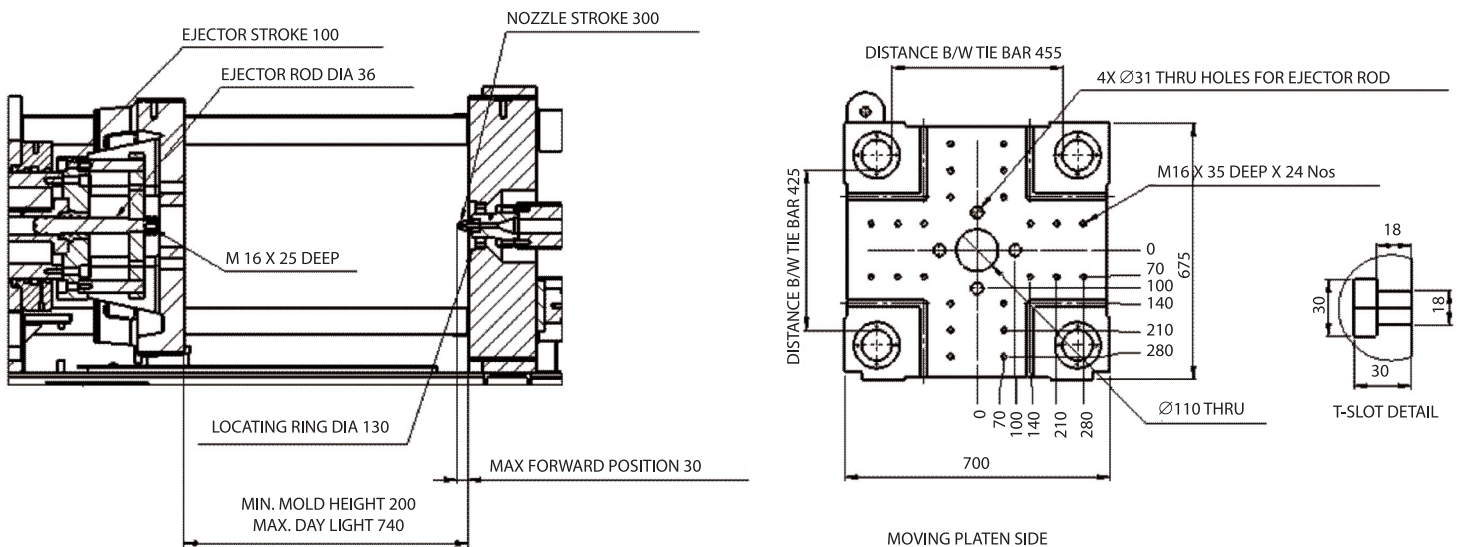
STD EQUIPMENT (CLAMP)

- 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

Manufactured and Marketed by : Moldwell Products India Pvt Ltd.,

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