

**Mfg. Of.:**  
Plastic Processing Machinery & Parts.

**B-1, Maruti-2 Ind. Estate, Nr. Hotel Safari, Odhav Ring Road Circle, Odhav,  
Ahmedabad-382415. e-mail : ksblion@yahoo.com**

Ref No. :

Date :

## **DESIGN ADVANTAGE :**

### **CLAMP :**

- Adjustable individual Pressure Setting of each stage
- Position based acceleration / deceleration for accurate position Switching and control of speeds and pressures
- Programmable Clamp position with its feedback by linear transducer
- Proportional Speed Control with 4 closing and opening speed
- Stage wise Actual Time Display
- Low pressure mould protection with high mould safety
- High tensile, hard-chrome plated tie bar

### **INJECTION :**

- Injection in 4 Stage & 4 Stage Holding
- Gas-nitride screw barrel with standard L/D Ratio
- Injection unit sliding on hard-chrome steel treated ground tie bars
- actual rpm display on screen (Optional)
- Linear position Transducer assistance for real time read out and accurate Control
- PID Control Algorithms for barrel heating zone
- High torque hydraulic motor for screw drive
- Automatic/manual sucks back system
- User Friendly design for Cold slug removal, Semi auto purge, Intrusion moulding

### **EJECTOR :**

- Sequential Ejector, speed adjustable through screen
- Ejector Stay Forward
- Linear Transducer provided for ejector position read out (optional)
- Pulsating Ejector Strokes with ejector forward / retractd well timer
- Hydraulic ejector through plate with multiple ejector cycles. (back side)

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## TEMPERATUR CONTROL :

- Accurate PID Temperature Controls settable through operator panel for nozzle and barrel zones
- Display of individual heating zone with heater failure detection
- High/Low Temperature Alarm Bands
- Soak timer for Cold start protection
- M C B Control each heating zone
- Ceramic heater for power saving

## HYDRAULICS :

- Hydraulic Controlled Vane Pump
- Proportional valve for pressure and flow control with electronic feedback.
- Continuous oil filtration with 10 micron filter
- Pre- heating circuit for hydraulic oil
- Component easily accessible for maintenance purpose
- Resiliently mounted hydraulic pump
- Sealed oil tank with oil Indicator
- 24 Volt DC solenoid valve.
- Overload protection for pump motor

## CONTROLS

- Dedicated and Integrated HMI Panel
- Multi-microprocessor control **DEVANSHI Make**
- Modular design concept
- 320 x 240 MONOCROME LCD screen
- Alpha-numeric key pad
- Soft keys for fast access to select menus
- 60 mould data storage with alpha-numeric text
- Continuous process monitoring
- Customized set up
- Individual keys for manual functions
- Complete digital set up & display
- 100 alarms stores in alarm history
- I / O diagnosis