



## **Romex Model – HDT Series: - Standard Features (PLC)**

### **Fully Automatic Horizontal Locking Screw Type Injection Moulding Machine**

#### **Locking: -**

1. Robust Platen size for Larger die accommodation.
2. Phosphorous Bronze Tie Bars Bushings.
3. Hardened Steel Toggle Pins.
4. Special Steel Cast Toggles & Brackets
5. Large Mould Opening.
6. Low Protect Mould Safety Device with alarm.
7. Selectable multi stroke Hydraulic Ejector
8. 2 Stage Mold Closing & Mold Opening Pressure Controls
9. Electrical Interlocks for Guard.
10. Centralized Manual Grease Lubrication Pump

#### **Injection: -**

1. Choice of different screw barrel.
2. Screw speed infinite variable.
3. 2 Stage Injection Pressure Controls
5. Hydraulic Back pressure for homogeneous plasticization.
6. Screw Release Interlock.
7. Direct screw drive with Low Speed High Torque motor.
8. Digital temperature controller for all zones
9. High Performance Ceramic Band heaters

#### **Hydraulic: -**

1. Pressure Proportionate Hydraulic System
2. Digitally control Pressure for all functions
3. Totally Closed Hydraulic Oil Tank.



## **Control Panel Features**

### **Control/ Setting Parameter: -**

1. On line editing of parameter.
2. Screw suck back with selection
3. Ejector with selection of single cycle & multiple strokes
4. Timers, Temperature, Pressures, & Parameters can be set on MMI.
5. Input / Output Status Display with Function Name
6. Hydraulic Ejector with selection - Continuous/Stay On
7. Edit Lock for Key Pads
8. Mould Safety with selection

### **Data Management: -**

1. Internal Mould memory
2. Display of cycle time.
3. Shot counter (prod.) display.
4. Accumulated counter
5. Pre-set shot counter. (Down Count).
6. Hourly Production Counter

### **Safety features through controller: -**

1. Mould safety selection
2. Gate safety while closing (Electrically operated)
3. Temp. Interlock for screw operation.

### **Man, machine interface (MMI): -**

1. Membrane key pads.
2. 4 Line display.
3. Hot Keys for selection of parameter.
4. Display Alarms
5. Individual Function Keys
6. Numeric Key Pads

### **Standard Features**

1. Water Manifold for mold cooling
2. Oil Cooler
3. Tool box with standard spares for machine operation