

## **Romex Model TL-N Series: - Standard Features (Microprocessor)**

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

#### **Locking: -**

1. Robust Platen size for Larger die accommodation.
2. Phosphorous Bronze Tie Bars Bushings.
3. Hydraulic Clamp Cylinder
4. Special High Pressure Seal
5. Clamp Position Read Transducer
6. Large Mould Opening.
7. Low Protect Mould Safety Device with alarm.
8. Selectable multi stroke Hydraulic Ejector
9. 4 Stage Mold Closing & Mold Opening Pressure & Speed Controls
10. Electrical Interlocks for Guard.
11. Centralized Oil Lubrication Pump Synchronized & Monitored thru Controller

#### **Injection: -**

1. Choice of different screw barrel.
2. Screw speed infinite variable.
3. 4 Stage Injection & 4 Stage Hold Pressure & Speed Controls
4. Suck back controlled position based.
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
10. Adjustable nozzle contact force.

#### **Hydraulic: -**

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

## **Electrical 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, Distance Pressures, Speed & 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
9. Digital Timers & Pyrometers for fine control

### **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. 5.6 Inch LCD display.
3. Hot Keys for selection of parameter.
4. Display messages.
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

### **Optional Feature**

- 1 Servo Power saving controls
2. Variable Displacement Pump
3. Feed Throat Temperature controller
4. Special Coated Screw
5. Air Blow for Fix & Moving Platen