

Rulex

Machines



VERTICAL INJECTION MOULDING MACHINE
30 Tons to 60 Tons

**RULEXO
INDUSTRIES
PVT. LTD.**

A House of :
Microprocess Fully Auto Screw Type Plastic
Injection Moulding Machines & Plastic
Processing Machines

Vertical Injection Moulding Machine

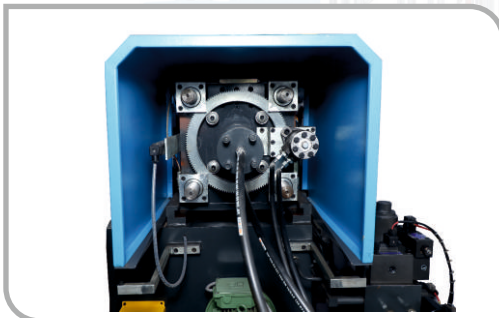
Key Features

- Faster In Operation, Reliable And Highly Repeatable.
- No Platen Deflection Even With High Injection Pressure.
- Barrier Screw For Superior Melt Quality.
- Low Vibration & Noise.
- Low Energy Consumption.
- Quick Response.
- Advance Control System.



Clamping Unit

- Alloy Steel Casted Vertical Five Point Double Toggle System (super Type).
- T Slots / Drilled Tapped Clamping System For Die Clamping.
- Five Stage Mould Open/Close Speed.
- Sensitive Low Pressure Mould Safety.
- Linear Scale For Position Based Functions.
- Motorized Mould Height Adjustment With Auto Tonnage Built Up.
- Guard Safety.
- Hydraulic Ejector System (Multi Stroke).
- Centralized Auto Lubrication System.
- Levelling Pad.



Injection Unit

- Twin Cylinder Balanced Injection Unit.
- Five Stage Reduced Injection Pressure System
- Linear Scale For Position Based Functions
- Five Stage Reduced Injection Speed System
- Auto Reciprocating Injection Unit
- Five Stage Reduced Injection Hold System
- Suck Back System
- High Torque Medium Speed Hydraulic Motor For Screw Drive.



Technical Detail Of "STV" - Series Machine

Model	UNIT	STVVM-30		STVVM-60	
		A	B	A	B

INJECTION UNIT					
Screw Diameter	mm	28	30	32	35
Max Swept Volume	Cub.cm	110	125	140	165
Max Shot Weight (PS)	gms	90	105	115	135
Max Injection Pressure	Kg / cm ²	1650	1370	1850	1975
Rate of Injection	cc / sec	53	65	45	70
Screw Speed	rpm	220		220	
Heating Zone	Nos	Nozzle + 3		Nozzle + 3	
Hopper Capacity	Kgs	15		25	
Nozzle Force	Tons	2		3.2	

LOCKING UNIT					
Mould Clamping Force	Tons	30		60	
Mould Clamping Stroke	mm	230		290	
Mould Thickness -Min - Max	mm	100-200		150-350	
Max Day Light Opening	mm	430		640	
Tiebar Distance (H X V)	mm	260 X 260		310 X 310	

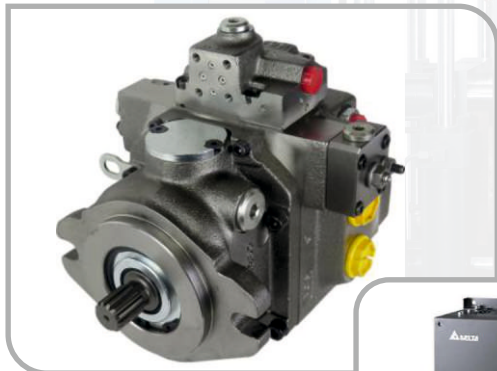
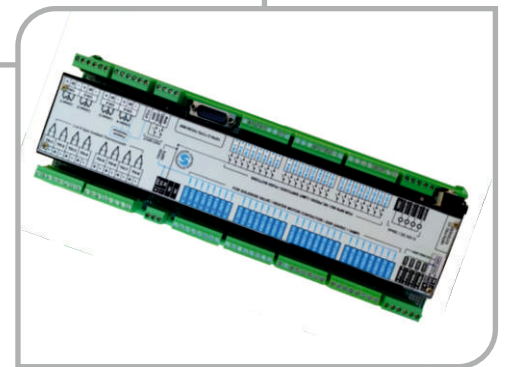
HYDRAULIC EJECTOR					
Ejector Stroke	mm	40		65	
Ejector Force	Tons	2		3	

GENERAL					
Servo Motor / Electric Motor	KW / HP	5.5/5		11/7.5	
Heating Capacity	KW / HP	3.5/4.5		5/6.5	
Total Connected Load	KW / HP	9/9.5		16/14	
Tank Capacity	Ltrs	120		160	
Machine Weight	KGS	1250		1950	
Floor Space (L X W X H)	Mtr	2 X 1.25 X 1.1		2.2 X 1.5 X 1.8	

Vertical Injection Moulding Machine

Controls

- 8" Touch Operated TFT Color Display With Alpha Numeric Keypad.
- Actual Injection Speed And Pressure Graph Display
- 100 Mold Data Storage
- Graphical Presentation Of Last 24 Hours Production
- Daily Production Data Of Last One Year
- High / Low Limit Display For Each Adjustable Parameter
- 100 Set Points Change With Time And Date
- Over View Display Of Machine Function On Screen With Graphical
- Fast Access Of Select Menu By Soft Keys
- Alarm Visual And Audible With Date And Time
- Printer Interface With Usp Port
- Energy Indication On Operator Panel
- Single Phase Preventor
- I/o Diagnosis - Analog & Digital



Temperature Control

- Heater Failure And Thermocouple Open Detection
- Accurate PID Temperature Controller On Screen
- Auto Heat Startup And Shutdown
- High/Low Temperature Alarm

Optional Features

- Air Ejector
- Servo Pump
- PID Oil Temperature Control
- Heater With Insulated
- Back Pressure Control (Plc Based)
- Open Close Electro Proportional Based

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