

# HYBRID Servo

Injection Moulding Machine

We believe that *Excellence* is a journey not a *Destination*



# HYBRID Servo

Injection Moulding Machine

## HYBRID BENEFITS

- Servo Hydraulic System
- Servo Electric Controlled Plastification
- Outstanding Power saver
- Outstanding Precision in processing
- Parallel Function - Plastification with Opening
- Faster in response
- Very stable Performance
- Simple operation & Low Maintenance
- High Torque Motor for Screw plastisizing

## TECHNICAL SPECIFICATION

MODEL		140 Ton
INJECTION UNIT	UNIT	270
		A
INJECTION CAPACITY MAX. ( GPPS )	gm	165
INJECTION PRESSURE	bar	1800
INJECTION RATE	cc/sec	150
INJECTION SCREW STROKE	mm	170
SCREW DIAMETER	mm	36
SCREW L / D RATIO	-	22
SCREW SPEED MAX.	rpm	430
NO. OF PYROMETERS ( BARREL + NOZZLE )	-	3 + 1N
TOTAL HEAT CAPACITY	kw	10.2
<b>CLAMP UNIT</b>		
CLAMP FORCE	ton	140
CLAMP STROKE	mm	360
MAXIMUM DAYLIGHT	mm	830
MINIMUM MOULD HEIGHT	mm	150
MAXIMUM MOULD HEIGHT	mm	470
PLATEN SIZE ( H x V )	mm	670 X 672.5
DISTANCE BETWEEN TIE ROD ( H x V )	mm	445 X 445
EJECTOR STROKE	mm	120
EJECTOR FORCE	ton	5.3
MOULD WEIGHT CAPACITY	kg	1000
<b>GENERAL</b>		
SERVO DRIVE	kw	36
TOTAL OIL TANK CAPACITY	ltr	330
CONNECTED LOAD	kw	46.2
MACHINE DIMENSIONS ( L x W x H )	m	5 X 1.6 X 2.1
MACHINE WEIGHT (APPROX.)	ton	5.3

## SPECIAL FEATURES

- LM Guide ways for Clamping Unit
- LM Guide ways for Injection Unit
- Robot Interface Euomap 67
- 3 Zone Hot runner output
- Digital Back Pressure
- High Speed Injection Unit
- High Speed Clamping Unit
- En201 Safety for Clamping unit
- Water flow control valve on Heat exchanger

## STANDARD FEATURES

- Heavy Duty 5-Point Double Toggle Mechanism with Large Mold Opening Stroke.
- High Wear Resistance & High Strength Characters Gear Nut Screw for Homogeneous Plasticizing
- Twin Cylinder design, Dual nozzle centering precise thus contribute the longer life of mould
- Multi password facility for operators
- MPCB for Motor Protection
- Hydraulic Safety on Both Front & Rear Door
- Under Voltage-Over Voltage Protection