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**2K**  
**Servo**  
MULTI INJECTION



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



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## TECHNICAL SPECIFICATION

MODEL	160 Ton		
INJECTION UNIT	UNIT	IU-170-2K	
		FRONT INJECTION	REAR INJECTION
INJECTION		IU-170	IU-170
INJECTION CAPACITY MAX. ( GPPS )	gm	165	165
INJECTION PRESSURE	bar	1400	1400
INJECTION RATE	cc/sec	115	145
INJECTION SCREW STROKE	mm	170	170
SCREW DIAMETER	mm	36	36
SCREW L / D RATIO	-	22	22
SCREW SPEED MAX.	rpm	330	330
NO. OF PYROMETERS ( BARREL+NOZZLE )	-	3 + 1N	3 + 1N
TOTAL HEAT CAPACITY	kw	10.2	10.2
<b>CLAMP UNIT</b>			
CLAMP FORCE	ton	160	
CLAMP STROKE	mm	440	
MAXIMUM DAYLIGHT	mm	990	
MINIMUM MOULD HEIGHT	mm	200	
MAXIMUM MOULD HEIGHT	mm	550	
PLATEN SIZE ( H x V )	mm	745 X 695	
DISTANCE BETWEEN TIE ROD ( H x V )	mm	520 X 470	
EJECTOR STROKE	mm	140	
EJECTOR FORCE	ton	5.3	
MOULD WEIGHT CAPACITY	kg	1300	
<b>GENERAL</b>			
SERVO DRIVE (PRIMARY + SECONDARY)	kw	18 + 12	
TOTAL OIL TANK CAPACITY	ltr	380	
CONNECTED LOAD	kw	50.4	
MACHINE DIMENSIONS ( L x W x H )	m	6.4 X 1.6 X 2.1	
MACHINE WEIGHT	ton	7.5	

### SPECIAL FEATURES

- Robust & new generation toggle type clamping.
- Rotary mould platen mounting as per Euromap standard.
- Highly precise end position control for rotary mould Mechanism.
- Rotation system is possessed high speed, smooth & Impact free movement.
- Separate hydraulic circuit for single & dual injection Configuration.
- High speed, Multi Password & user friendly controller.
- Independent hydraulic ejector.
- Each ejector cylinder is equipped with linear position transducer & retract confirmation through limit switch for redundant safety.
- Separate water cooling line for individual injection Feed throat.
- En201 safety for clamping unit.
- Single electrical panel design for easy accessibility.
- Automatic lubrication system on clamping & rotary table.

### STANDARD FEATURES

- Heavy duty 5-point double toggle mechanism With large mould opening stroke.
- Precise mould safety.
- Advance screw design for homogenous plasticizing.
- Multi password facility for operators.
- MPCB for motor protection.
- Safety on front & rear door.
- Under voltage-over voltage protection.

### OPTIMAL FEATURE

- LM guideways for both injection unit.
- Robot interface euromap 67.
- 3 zone hot runner output.
- Digital back pressure.
- High speed injection unit.
- High speed clamping unit.
- Water flow control valve on heat exchanger.
- Multiple corepull.



#### SUMITEK NATRAJ MACHINERY PRIVATE LIMITED

Plot No. 564, Kathwada G.I.D.C., Opp. Road No. 10, Nr. Tribhuvan Estate Gate, Phase-2, Kathwada, Tal-Daskroi, Ahmedabad-382430. Gujarat, India.  
Marketing : +91-9512820013 | Phone : + 91 - 7567616655, 9727327925.  
E-mail : sales@sumiteknatraj.com, marketing@sumiteknatraj.com  
export@sumiteknatraj.com