

# VISHAVAKARMA

## LEGEND SUPER DELUXE SERVO

Toggle Injection Moulding Machines  
60 to 1250 Ton

*The New Edge - Energy Saver*



- High Energy Saving
- Generous Specifications
- Robust & Reliable
- User Friendly Control



VISHAVAKARMA HYDRAULIC PRIVATE LIMITED  
DELHI

# LEGEND SUPER DELUXE SERVO

Toggle Injection Moulding Machines

60 to 1250 Ton



## TECHNICAL SPECIFICATION PARAMETERS

LEGEND	UNIT	LEGEND SD 60	LEGEND SD 80	LEGEND SD 120	LEGEND SD 150	LEGEND SD 180	LEGEND SD 200	LEGEND SD 250	LEGEND SD 350	LEGEND SD 450	LEGEND SD 650	LEGEND SD 1000	LEGEND SD 1250
<b>INJECTION UNITS</b>													
Screw Diameter	MM	35	38	45	50	55	60	65	70	82	95	110	120
Max. Shot Weight (PS)	GMS	85	150	200	350	450	600	800	1100	2000	3000	4200	5750
Plasticizing Capacity	KG/Hr.	28	40	55	80	95	110	145	190	240	270	315	415
Injection Stroke	MM	125	150	170	225	250	265	275	300	350	475	500	560
Injection Pressure	Kg/Cm <sup>2</sup>	1625	1625	1635	1625	1625	1535	1585	1675	1650	1575	1575	1580
Screw Revolution	R.P.M.	210	250	250	220	225	180	180	150	125	125	110	100
Heater Load	K.W.	4.8	5.8	6.5	10	12	12	15	17	25	38	46	55
<b>CLAMPING UNITS</b>													
Clamping Force	Ton	60	80	120	150	180	200	250	350	450	650	1000	1250
Clamping Stroke	MM	240	300	350	400	460	500	550	625	750	890	1000	1150
Mould Thick Min./Max.	MM	150-275	150-320	150-350	200-450	250-475	275-500	300-600	350-700	400-800	400-890	450-1000	600-1100
Distance between Tie bar (HxW)	MM	300x300	350x350	410x410	450x450	500x500	550x550	600x600	650x650	700x800	910x910	1140x1140	1220x1220
Daylight Min./Max.	MM	390 x 515	450 x 620	500 x 700	600 x 850	710 x 935	775 x 1000	850 x 1150	975 x 1325	1150-1550	1290 x 1780	1450 x 2000	1750 x 2250
Mould Plate Size (HxW)	MM	500x500	550x550	610x610	675x675	775x775	810x810	880x880	1050x1050	1100x1200	1400x1400	1675x1675	1800x1800
Ejector Force	Ton	2.5	3	3.5	4	4.5	7	9	10	12	15	20	20
<b>GENERAL DATA</b>													
Pump Motor Power	K.W.	5.5	7.5	12	15	18.5	22	22	30	45	60	37+37	37+50
Elect. Connecting-Power	K.W.	10.3	13.3	18.5	25	30.5	34	37	47	70	98	120	142
Overall Dimension (LxWxH)	Mtr.	4x1.4x1.75	4.5x1.5x1.8	4.75x1.5x2	5.75x1.6x2.2	6.3x1.8x2.3	6.7x1.8x2.5	7.4x1.9x2.6	8.2x2x2.7	9x2.2x2.7	11x2.5x2.5	13x2.5x2.9	16x2.75x3.4
Oil Tank Capacity (Without Oil)	Lit.	250	280	350	400	600	700	800	1000	1000	1200	1400	1600
Approx. Weight	Ton	3	3.8	4.8	5.8	7.8	8.8	11	15	20	38	55	65

\* Referring to Polystyrene, depending on material and processing conditions. We reserve the right to make changes in design and constructions.

### AVAILABLE OPTIONS

- Hydraulic Core Pull
- Air Ejector
- T-Slot Platens
- Hopper Dryer with Loader
- Anti Vibration Pad
- Mould Clamp Set

### FEATURES FOR PLC CONTROL MACHINE MODEL LEGEND SUPER DELUXE

#### CONTROLS

- Liquid crystal display (LCD) controller
- PLC ladder program editor.
- Multilayer password protection 30 pages display.
- Build-in 60 sets mold memory
- 3 kind of variable operation modes over 50 alarm message.
- Production statistic function.
- Operating I/O diagnosis.
- Real time display.

- Independent PID control.
- I Zone oil-temperature monitor/control.

#### INJECTION UNITS

- Nitrided steel screw barrel set.
- Injection stroke controlled by non-contact absolute position transducer.
- Direct hydraulic screw drive.
- Cold start protection for screw.
- 4 stage injection control.
- 4 stage holding control.

- 2 stage suck back, 3 stage charge function.

#### CLAMPING UNITS

- Clamping stroke controlled by non-contact absolute position transducer.
- 4 stage opening control.
- 4 stage clamping control
- Motorized Mould Height adjustment.
- Automatic centralized lubrication systems.

- Foolproof electrical interlock for machine safety doors.

- Multi stroke ejector.
- Ejector stroke controlled by non-contact absolute position transducer.

#### HYDRAULICS

- Special purpose servo-motor, pump and drive.
- Ergonomically designed and positioned hydraulic components.
- Large capacity external oil cooler.



## VISHAVAKARMA HYDRAULIC PRIVATE LIMITED

(Manufacturers of Plastic Injection Moulding Machines)

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