SOS®
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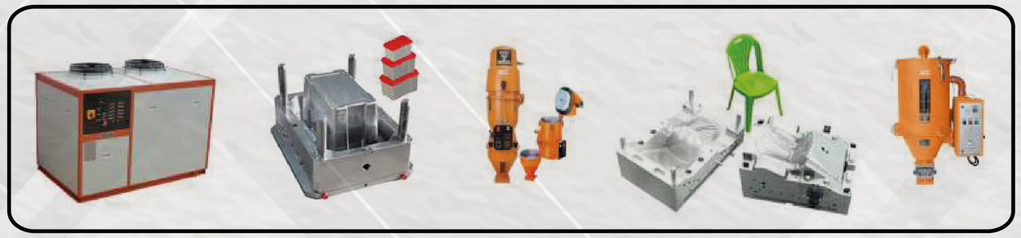
AUXILIARY EQUIPMENT



FACTORY & REGD OFFICE :

Jeedimetla, Hyderabad | Tel : 040-40194141
Mobile : +91-9849546022 , 9866513337

E-mail: info@sosindia.in | www.sosindia.in

SOS®
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LAUNCHING
DHARTI SERIES
STRONGER. HEAVIER. ENDURABLE

Collaborated with Malaysian ESM

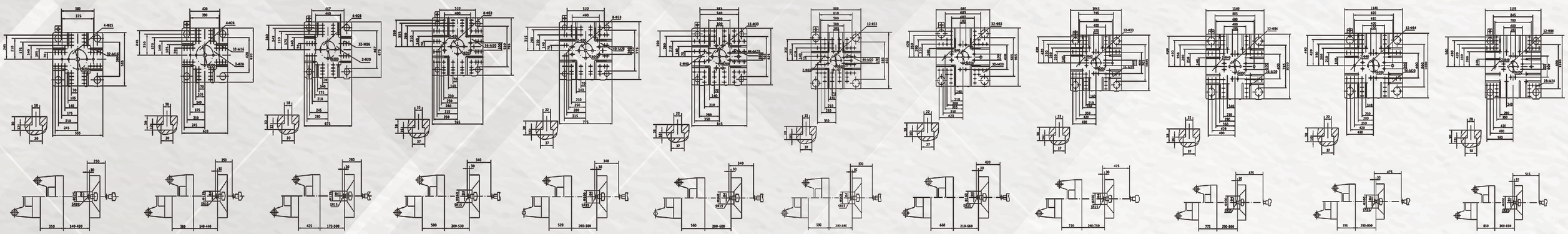
SPECIALIST IN PLASTIC STARTUP PROJECTS

SOS® Group of Companies
SINCE 1994

ESM 90 D - 750 D DHARTI SERIES Technical Specifications :

Specifications	Unit	ESM 90-D			ESM 110-D			ESM 130-D			ESM 180-D			ESM 220-D			ESM 260-D			ESM 280-D			ESM 330-D			ESM 400-D			ESM 450-D			ESM 500-D			ESM 560-D			ESM 650-D				ESM 750-D			
Injection Unit																																													
Screw Type		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	D	A	B	C	D
Screw Diamater	mm	35	38	40	38	40	45	40	45	48	45	50	55	55	60	65	55	60	65	55	60	65	65	70	75	70	75	80	80	85	90	80	85	90	85	90	95	90	95	100	110	90	100	110	120
Screw Ratio	L/D	23.9	22	20.9	23.2	22	19.6	24.8	22	20.6	24.4	22	20	24	22	20.3	24	22	20.3	24	22	20.5	23.7	22	20.5	23.6	22	20.6	23.4	22	20.8	23.4	22	20.8	23.3	22	20.8	23.2	22	20.9	19	24.4	22	20	18.3
Shot Volume	Cm^3	182.4	215	238.2	214.8	238	301.2	313.7	397	451.7	460	569	688	593.2	706	828.6	655.4	780	915.4	842.8	1003	1177.1	1177.8	1366	1568.1	1446.9	1661	1889.8	1964.2	2218	2486.6	1964.7	2218	2486.6	2388	2678	2983	2816	3138	3477	4207	2956	3650	4416	5256
Shot Weight(PS)	gms	166	196	217	195	217	274	285	361	411	419	518	627	540	642	754	596	710	833	767	913	1071	1072	1243	1427	1317	1512	1720	1788	2018	2263	1788	2018	2263	2174	2437	2715	2562	2855	3164	3828	2689	3321	4018	4782
Injection Pressure	Mpa	220	186	168	205	185	148	202	158	139	229	186	154	202.4	163	137.1	202.4	163	137.1	200	167.9	143.1	181.7	164.7	146.5	182.1	162	141.1	172	154.8	137.7	172	154.8	136.7	178.3	159	142.7	184	164	146.6	128.8	227.2	184	152.1	131.8
Max. Screw Speed	Rpm	199			200			208			180			160			190			189			144			144			152			152			126			105				91			
Clamping Unit																																													
Clamping Force	KN	1150			1380			1650			2150			2380			2600			3000			3650			4000			5050			5250			5850			6750				7800			
Toggle Stroke	mm	350			380			425			500			520			560			590			660			710			775			830			850			930				1000			
Space Between Tie Bars	mm	380*380			420*420			467*467			510*510			530*530			585*565			610*585			685*685			745*705			805*715			820*800			845*830			915*915				985*985			
Max Mould Height	mm	430			440			500			530			580			600			640			660			750			800			800			850			900				1000			
Min Mould Height	mm	140			140			170			200			200			200			200			210			240			290			290			300			320				350			
Ejector Stroke	mm	110			115			130			150			150			150			150			170			170			225			225			225			265				265			
Ejector Force	KN	38			38			38			70			70			70			70			90			90			152			152			152			212				212			
Locating Ring diameter	mm	125			125			125			160			160			160			160			160			200			200			200			200			200				250			
Other																																													
System Pressure	MPa	16			16			16			16			16			16			16			16			16			16			16			16			16				16			
Motor Power	KW	12			18			18			18			23			23			28			28			28			18+42			18+42			18+42			28+42				42+42			
Heater Power	KW	8			9.15			12			14.3			16.5			20.7			20.7			24.1			29.6			35.3			35.3			39			55				65			
Oil Tank capacity	L	150			170			210			230			240			300			400			600			700			900			900			1000			1200				1400			
Machine Weight	Tons	3.4			3.9			5			7			8			9			10			13			16			20			20			25			33				40			
Machine Dimensions (L*W*H)	m	4.74*1.35*1.83			4.8*1.3*1.85			5.25*1.4*2.03			6*1.47*2.2			6.2*1.5*2.3			6.45*1.6*2.4			6.86*1.65*2.46			6.9*1.8*2.46			7.44*1.9*2.53			7.8*2.3*2.7			7.8*2.3*2.7			8.85*2.3*2.9			11.4*2.5*2.5				11.8*2.75*3.1			

***Note : The technical specifications can be changed without prior notice.**



ESM 90 D | ESM 110 D | ESM 130 D | ESM 180 D | ESM 220 D | ESM 260 D | ESM 280 D | ESM 330 D | ESM 400 D | ESM 450 D | ESM 500 D | ESM 560 D