SOS®
Group of Companies
SINCE 1994

MFG. OF PLASTICS INJECTION MOULDING MACHINES

JAL SERIES

RELIABLE. EFFICIENT

SPECIALIST IN PLASTIC STARTUP PROJECTS

SOS®
Group of Companies
SINCE 1994

AUXILIARY EQUIPMENT

FACTORY & REGD OFFICE :

Jeedimetla,
Hyderabad

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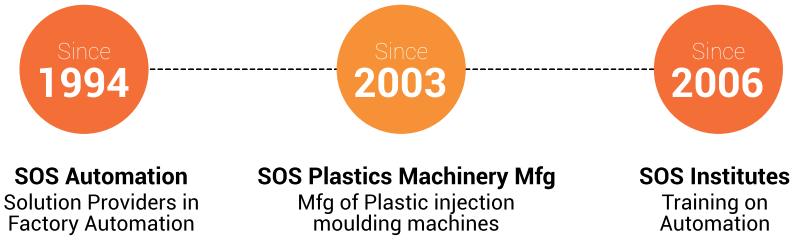
SOS Group of Companies



About SOS Plastics Machinery Mfg

SOS Group of Companies is located in Hyderabad in the Fields of Automation, Manufacturing and Institutes with an experience of over 27years. Founder of SOS Group of Companies is Mr.Srinivas Battula, whose immense experience & amp; expertise in the field of High Quality Factory Automation, Mfg. of Plastics Injection Moulding Machines and Training of PLCs has enabled the Group Companies to produce at high competitive prices under the brand name of "SOS Group of Companies". SOS Group of Companies, is today synonymous with Reliability from Quality as well as service point of view. The Group has always believed in the principle "Be in reach to customer's phone call". The Group always strives to give the best service. Today the Group looks back with tremendous sense of satisfaction and pride to have more than 350 satisfied, repeated and valued customers. Our dedicated team helps in constantly upgrading the system to provide high quality solutions as per customer feedback and new concept in design and development. The stringent quality control what we maintain has paid rich dividends. Hence the approach towards any customer was not to sell a product but to give him satisfaction. Thus, our one time customer is life time commitment for us.

OUR RANGE OF PRODUCTS

Mfg. of PLASTICS INJECTION MOULDING MACHINES

- 60 TON to 1000 TON of Dharti Series
- 70 TON to 1000 TON of JAL series

VISION

To expand and continually improve quality & best workplace practices with employee involvement to manufacture advanced plastic injection moulding machines that result in customers' cost reduction, quality, productivity, satisfaction and supply for PAN India customers.

PURPOSE

To support for enhancing the productivity, speed and safety in industries like automotive, packaging, medical, food and beverages, consumer goods, electronics, and communications for safety, economy and speed for providing advanced plastic injection moulding machines thereby saving their money, time and efforts.

CORE VALUES

- We value and look for the satisfaction of our internal and external customers.
- The best customer service centric organization with fast response and close relationships.
- Building Strong relationships with domestic and international customers.
- Continual learning and development organization.
- Passion for perfection and innovation.

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Group Promoters

Srinivas Battula

The 1st Generation industrialists, Visionary, Philanthropist, Founder & CEO, has 33 years of rich experience in Management with a blend of failures & successes, exposure of start-up company, corporate Company to MNC and Global companies MITSUBISHI, MESSUNG Group & Esskey Machinery Company.
He has Work Experience from Quality control to Dispatch, from Service & Sales to Market Analysis, from sourcing & training of low esteemed to managerial skills workforce, from accounts to bank, market credibility and Managerial skills, from Motivational, risk analysis, turnaround to result-oriented. As a result, he inculcated his nine employees into satisfied entrepreneurs and he is with a mindset of continuous improvement to give benefits to internal & external customers as well as free services to the society.

A Ravi Kumar

The 1st Generation industrialists Co-Founder & Director, has vast Plastics application domain knowledge and business development experience since 2003.
He has a professional background of more than 20 years in the plastic injection molding industry. Served and supported 100's of customers in the same industry.
He is hard-working, result-oriented, and skills of a go-getter with global exposure.
He has work experience in the fields of procurement, Production, Marketing & sales.
He has a mindset of creating green field plastic Start-Ups. He has a proven ability to translate business objectives into effective marketing programs and measure marketing ROI.

PVS Nageswara Rao

Mr. PVS. Nageswara Rao has 38 years of successful global leadership experience in providing fiscal, strategic, operations, and management services in uniquely challenging situations. His work experiences extend into Government sectors, MNC, Private and Public Limited organizations. Previously, he held responsible multinational leadership positions in many companies, including M/S ThyssenKrupp Industries India, Walchandnagar Industries, Machine Building Division -Mukand Ltd., and Buckau wolf.

He's a passionate leader with keen analysis and insights with a team approach to drive the organizational transformation to excellence with continual improvements and credited for implementing best practices like TPM, Kaizen, and Lean+ Six Sigma at work and have won many national and international awards like the best quality person of Mukand, best TPM person, best Kaizenee, lean plus six sigma award, ThyssenKrupp global synergizen + recognition and many more.

S. Satyam

He is a Visionary, Founder & CEO of Machines & Machine Tools, has 45 years of hands-on experience in machine building of SPMs to supply to all leading automobile corporate of India viz Mahindra & Mahindra, TATA, Bajaj, Maruti, Ashok Leyland, Tecumseh, Eicher Tractors & TVS etc.
Mr. Satyam has high profile dealing exposure to the handling of Worker unions and track record of retention of hundreds of employees more than 20 years with the Company. He creates robust health &wealth of employees and Company also.
He also established a Brand of his own in the B to B of the automobile industry.

M. Nagaraja Baba

EX-AGM of State Bank of Hyderabad (now Integrated with SBI) with rich domain experience in finance & Banking. He is disseminating his knowledge to small-scale industries and some reputed associations like FTCCI, FTSIA & BYST Trust, etc., with different capacities of hierarchy in those social service activities.

He has excellent interpersonal and communications skills with strong problem-solving skills. In addition, he can find weaknesses and provide coaching where necessary.

SOS machine features

Clamping unit

- Tie rods are made of high strength and high tension steel, and it has been modulated and forged. The surface is plated with hard chromium and has good wear resistance
- The safety door is equipped with electrical and mechanical safety lock protection device to ensure the safety of operators.

Hydraulic system

- The hydraulic components used are imported brand products to ensure the quality and performance
- The oil tank is equipped with oil level display, thermometer and filtering device for easy usage.
- All oil lines are centrally installed on the valve plate to eliminate oil leakage and pressure losses.

Injection unit

- **Bridge support,** improve injection stability, high repeatability.
- Longer length diameter ratio screw design to improve plasticizing effect and gives more shot weight.
- **Double seal** structure ensures no leakage of oil cylinder.
- Screw and cylinder components are made of imported high-quality nitriding steel.

Machine aesthetic

- We use advanced CNC bending machine, CNC shears, laser cutting machine, high precision processing, to meet world class quality and design.

Controller & electrical

- All the electrical parts used are imported brand products to ensure the quality and performance.
- The controller is user friendly and in built with all the modern features such as production data , power consumption data and dual mode operation (touch screen and buttons).
- Upto 70% energy saving is achieved with servo technology and very less heat losses.

General

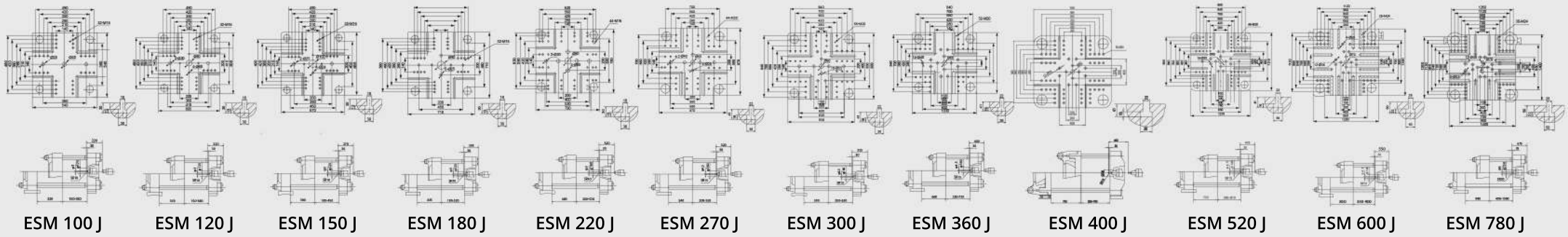
- The inner distance of coring column (tie rod) is large, which can accommodate large mold.
- The whole machine is stronger,heavier and durable.
- Through CAD (Computer Aided Design), CAE (Computer Aided Engineering) we have developed the mechanical structure design of the whole new **Dharti** series in which the hinge can open and close the mold quickly and smoothly, and the machine has a longest service life.
- All machines are standard Servo to save power costs upto 70%.
- The average length diameter ratio of screw is more than 22, which enhances the plasticizing effect of screw.

SOS Group of Companies Since 1994

ESM 100 J - 700 J
JAL SERIES
Technical Specifications

Items	Units	ESM 100-J			ESM 120-J			ESM150-J			ESM 180-J			ESM 220-J			ESM 270-J			ESM 300-J			ESM 360-J			ESM 400-J				ESM 520-J				ESM 600-J				ESM 780-J			
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	D	A	B	C	D	A	B	C	D	A	B	C	D
Screw Diameter	mm	32	35	38	35	38	42	38	42	45	42	45	50	45	50	55	50	55	60	55	60	65	67	70	75	65	70	75	80	75	80	85	90	90	95	100	105	90	95	105	110
Screw ratio L/D		22	20.1	18.5	22	20.2	18.4	24.3	22	20.5	23.6	22	19.8	24.5	22	20	24.2	22	20.2	24	22	20.3	23	22	20.5	23.7	22	20.5	19.3	23.7	22	20.7	19.5	20	19	18	17.1	23.2	22	19.9	19
Theoritical injection capacity	cm^3	133	158	187	163	192	235	193	235	270	305	350	432	340	420	510	455	550	655	676	805	945	1181	1289	1480	1220	1428	1639	1819	1727	1965	2218	2487	2554	2835	3140	3461	2925	3258	3980	4369
Shot Weight(PS)	g	121	144	170	148	175	213	176	213	246	277	319	393	310	383	466	416	503	600	615	732	859	1076	1175	1349	1050	1258	1539	1665	1560	1788	2018	2266	2315	2580	2850	3149	2662	2965	3622	3975
Injection rate	g/s	81	97	115	89	105	128	94	115	135	138	160	196	124	154	186	187	227	270	223.5	266	312.2	337	368	422	315	357	406	440	386	442	499	560	552	612	679	748	587	654	798	877
Injection pressure	Mpa	203	170	144	219	186	152	205	170	147	203	177	143	207	168	139	205	169	142	200	168	143	183	168	146	208	180	156	138	191	168	148	132	184	165	149	135	195	175	143	130
Max.Screw speed	rpm	240			255			210			225			190			210			220			195			150				175				150				115			
CLAMPING UNIT																																									
Clamping force	KN	1000			1200			1500			1800			2200			2700			3000			3600			4000				5200				6000				7800			
Opening stroke	mm	320			350			380			435			495			540			590			660			700				770				850				980			
Space between tie bar	mmXmm	360x360			410X410			460X460			480X480			530X530			580X580			630X630			680X680			730X730				820X820				870X870				980X980			
Min.mould height(T slot)	mm	150			150			160			180			200			200			200			250			280				330				350				400			
Max. mould height(T slot)	mm	350			380			450			520			530			590			630			720			780				810				900				1000			
Ejector stroke	mm	90			100			120			135			140			150			150			160			180				240				250				295			
Ejector force forward	KN	30			38			50			50			70			70			70			70			126				150				150				210			
POWER ELECTRIC																																									
Sys. Pressure	Mpa	16			16			16			16			16			16			16			16			16				16				16				16			
Pump Motor	KW	12.6			12.6			18.8			18.8			23			28.8			28.8			42			55				18+42				18+42				42+42			
Heaterpower	KW	7.55			8.2			9.2			12.5			13.6			15			18.9			24.7			29.3				33				42.95				59.1			
OTHERS																																									
Hooper capacity	Kg	25			25			25			25			50			50			50			50			50				100				100				100			
oil tank capacity	L	180			200			265			300			300			380			390			680			750				880				900				1250			
(Machine dimensions) LxWxH	mXmXm	3.81X1.19X1.79			4.15X1.12X2.00			4.51X1.16X1.87			5.20X1.60X2.00			5.36X1.60X2.20			5.82X1.60X2.24			6.11X1.81X2.32			7.08X1.99X2.38			7.8X2.1X2.5				7.74X1.89X2.69				10.2X2.24X2.71				11.20X2.37X2.55			
Machine weight	Ton	2.9			3.5			4			5.4			6.4			7.6			8.3			12.8			14.6				21				28				43			

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



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