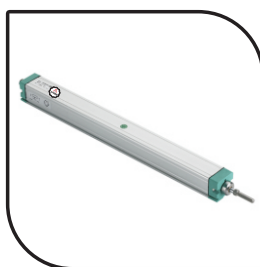




An ISO Certified Company



Ayush Moulders Pvt. Ltd.



World Class Plastic Injection Moulding Machines & Accessories



Ayush Moulders Pvt. Ltd.

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**Ayush Moulders
Pvt. Ltd.**



Y. K. Gupta
Director

Established in 1997, We Ayush Moulders Pvt. Ltd. are engaged in Manufacturing, Exporting, Importing and trading high quality assortment of Plastic Injection Moulding Machine, New & Used Plastic Injection Moulding Machine etc. The offered products are manufactured using advanced technology and high grade raw material as per the international quality standards. These products are stringently checked on well-defined quality parameters using advanced tools and devices by our quality experts in order to ensure their flawless finish. We are a client-oriented organization and our main target is to attain the maximum client satisfaction by providing superior quality products. Our simple payment modes, client centric approach, transparent dealings, ethical business practices and reasonable price range have helped us to attain maximum client satisfaction.

We provide the offered range in several specifications as per their demands. Under the supervision of our Proprietor, "Mr. Y. K. Gupta", we have gained huge success in the industry.

Located in the year 1997 in Ghaziabad (Uttar Pradesh, India), we have established an advanced infra structural unit that is segregated into several departments such as procurement, manufacturing, production, quality testing, warehousing & packaging, sales & marketing and transportation & logistic. These divided departments are supervised by our skilled professionals. The offered products are highly demanded for their features like long service life, low maintenance, high efficiency, reliable performance, robust construction and rust free body.

AYUSH Energy - Saving Injection Molding Machine

Production Introduction

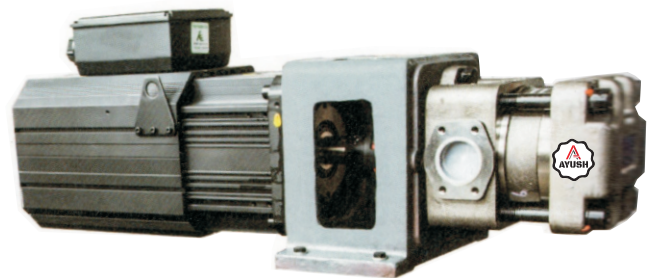
Ayush Moulders Pvt. Ltd. servo energy-saving injection molding machine is equipped with high performance servo motor controlling systems, the machine's output power can vary in accordance with the loading changes, which reduce energy consumption and noise. The motor rotates at lower speed in holding pressure stage and doesn't work in cooling time. It realizes a new revolution in the field of injection molding machine.

Sophisticated Control

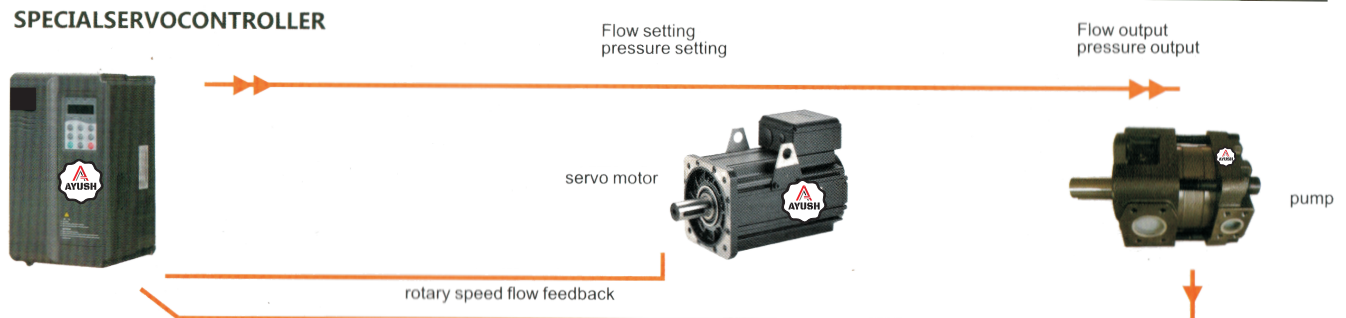
Compared with the traditional hydraulic power control system, the repeatability of servo hydraulic machine systems is much higher, and can be achieved 3%, it can effectively ensure the stability of the product and reduce the defective rate.

Rapid Response

Compared with the traditional hydraulic power control systems, the response speed of servo hydraulic machine is significantly faster, the quickest response time of servo hydraulic machine can be within 0.05s (0-max output), it effectively shortens the cycle time and increases the production efficiency.



SPECIALSERVOCONTROLLER



Specification	CN	 AYUSH - 70			 AYUSH - 90			 AYUSH - 130		
		A	B	C	A	B	C	A	B	C
INJECTION UNIT										
Screw Diameter	mm	26	30	32	30	32	35	32	35	38
Screw I/D Ratio	L/D	25.4	22	20.6	23.5	22	20.1	24.1	22	20.2
Short volume (theoretical)	cm2	67.6	90	102	117	133	158	137	163	192
Injection Weight (ps)	g	61.4	82	93	106	121	144	125	148	175
Injection Rate	g/s	55	73	83	71	81	97	74	89	105
Injection Pressure	MPa	227	170	150	230	203	170	260	219	186
Screw Speed	rmp		195			240			210	
CLAMPING UNIT										
Clamping Force	KN	700			900			1300		
Open Stroke	mm	280			320			350		
Space Between Tie Bars (w*h)	mm	310x310			360x360			410x410		
Max. Mold Height	mm	320			350			380		
Min. Mold Height	mm	100			150			150		
Ejector Stroke	mm	80			90			100		
Ejector Force	KN	28			30			38		
OTHERS										
Max. Pump Pressure	MPa	16			16			16		
Pump Motor Power	KW	7.5			11			13		
Heating Power	KW	6.8			7.55			8.2		
Machine Dimension (l*w*h)	m	3.65x1.13x1.73			3.81x1.19x1.79			4.15x1.12x2.00		
Oiltank Cubage	L	135			180			200		
Machine Weight	t	2.5			2.9			3.4		

Specification	CN	 - 160			 - 180			 - 200			 - 250		
		A	B	C	A	B	C	A	B	C	A	B	C
INJECTION UNIT													
Screw Diameter	mm	38	42	45	42	45	50	45	50	55	50	55	60
Screw I/D Ratio	L/D	24.3	22	20.5	23.6	22	19.8	24.5	22	20	24.2	22	20.2
Short volume (theoretical)	cm2	193	235	270	305	350	432	340	420	510	455	550	665
Injection Weight (ps)	g	176	213	246	277	319	393	310	383	466	416	503	600
Injection Rate	g/s	94	115	132	138	160	196	124	154	186	187	227	270
Injection Pressure	MPa	205	170	147	203	177	143	207	168	139	205	169	142
Screw Speed	rmp	190				190			170			180	
CLAMPING UNIT													
Clamping Force	KN	1600			1800			2000			2500		
Open Stroke	mm	380			435			495			540		
Space Between Tie Bars (w*h)	mm	460X460			480X480X			530X530			580X580		
Max. Mold Height	mm	450			520			530			550		
Min. Mold Height	mm	160			180			200			220		
Ejector Stroke	mm	120			135			140			150		
Ejector Force	KN	50			50			70			70		
OTHERS													
Max. Pump Pressure	MPa	16			16			16			16		
Pump Motor Power	KW	13			18.5			18.5			22		
Heating Power	KW	9.2			12.5			13.6			15		
Machine Dimension (l*w*h)	m	4.51X1.16X1.87			4.85X1.30X2.10			5.22X1.60X2.21			5.82X1.60X2.24		
Oiltank Cubage	L	265			300			300			380		
Machine Weight	t	4.0			5.4			6.4			3.4		

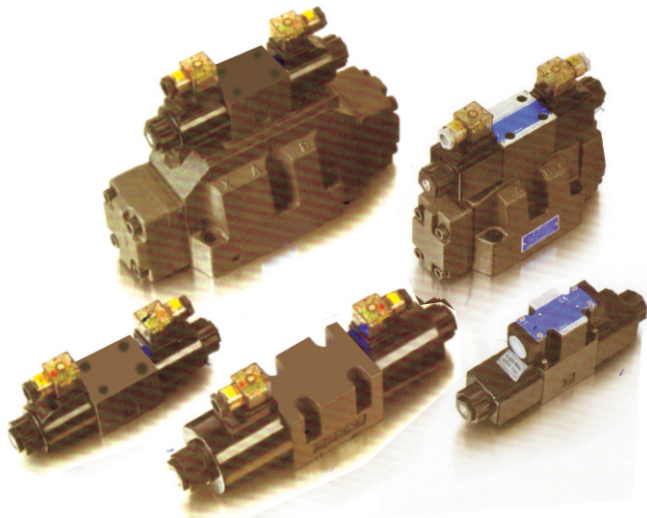
Specification	CN	 - 850				 - 1100				 - 1300				 - 1500			
		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
INJECTION UNIT																	
Screw Diameter	mm	90	95	105	110	90	100	110	115	110	115	120	125	110	120	130	140
Screw I/D Ratio	L/D	23.2	22	19.9	19	25.5	23	20.9	20	23	22	21	20.2	25.7	24	22	20
Short volume (theoretical)	cm2	2925	3258	3980	4369	2988	3689	4464	4879	5270	5760	6272	6805	6269	7460	8755	10150
Injection Weight (ps)	g	2662	2965	3622	3975	2719	3356	4062	4440	4796	5242	5707	6193	5705	6789	7967	9236
Injection Rate	g/s	587	654	798	877	590	729	880	960	793	867	944	1024	790	940	1102	1280
Injection Pressure	MPa	195	175	143	130	216	176	146	133	186	170	156	144	205	172	146	126
Screw Speed	rmp			115				100				90				90	
CLAMPING UNIT																	
Clamping Force	KN	8500				11000				13000				15000			
Open Stroke	mm	980				1120				1320				1350			
Space Between Tie Bars (w*h)	mm	980X980				1080X1080				1250X1250				1310X1310			
Max. Mold Height	mm	1000				1100				1300				1400			
Min. Mold Height	mm	400				400				550				600			
Ejector Stroke	mm	280				325				380				360			
Ejector Force	KN	210				210				245				260			
OTHERS																	
Max. Pump Pressure	MPa	16				16				16				16			
Pump Motor Power	KW	37+37				37+45				45+5				55+55			
Heating Power	KW	59.1				63.9				74.4				81.9			
Machine Dimension (l*w*h)	m	11.34X2.39X2.55				12.10X2.21X2.95				12.9X2.7X3.3				14.78X2.84X4.13			
Oil tank Cubage	L	1250				1700				2100				2900			
Machine Weight	t	38				42				59				83			

Specification	CN	 - 1800				 - 2200				 - 2200B			 - 3000		
		A	B	C	D	A	B	C	D	A	B	C	A	B	C
INJECTION UNIT															
Screw Diameter	mm	120	130	140	150	130	140	150	160	150	160	180	180	210	220
Screw I/D Ratio	L/D	25.4	23.4	21.7	18.9	25.9	24	22.4	20.9	25.9	24	22	24	24	22.9
Short volume (theoretical)	cm2	7460	8755	10150	11655	9680	11230	12890	14670	18360	20890	26450	29390	4003	43904
Injection Weight (ps)	g	6789	7967	9236	10606	8808	10219	11730	13350	16708	19000	24060	26745	36402	39953
Injection Rate	g/s	1056	1240	1438	1650	1172	1360	1560	1776	1230	1400	1468	1468	2000	2200
Injection Pressure	MPa	179	152	131	114	184	159	138	122	190	160	132	210	155	141
Screw Speed	rmp			85				70			65			50	
CLAMPING UNIT															
Clamping Force	KN	18000				22000				22000			30000		
Open Stroke	mm	1550				1810				1810			2000		
Space Between Tie Bars (w*h)	mm	1500X1400				1750X1600				1750X1600			1900X1750		
Max. Mold Height	mm	1500				1700				1700			1900		
Min. Mold Height	mm	700				750				750			1000		
Ejector Stroke	mm	420				420				420			450		
Ejector Force	KN	400											565		
OTHERS															
Max. Pump Pressure	MPa	16				16				16			16		
Pump Motor Power	KW	45+45+45				55+55+55				55+55+55			55+55+55+55		
Heating Power	KW	94.9				114.5				114.5			204.5		
Machine Dimension (l*w*h)	m	16.31X3.07X4.17				21.3X3.4X4.3				21.3X3.4X4.3			22.20X4.71X4.32		
Oil tank Cubage	L	3000				3700				3700			4500		
Machine Weight	t	123				137				137			200		

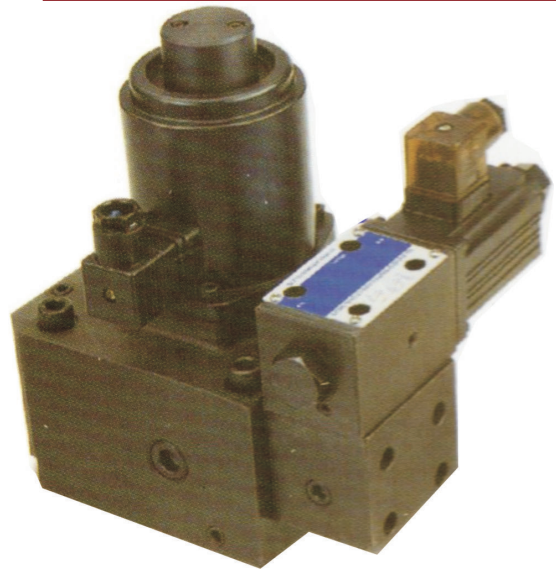
Specification	CN	 AYUSH - 300			 AYUSH - 350			 AYUSH - 450		
		A	B	C	A	B	C	A	B	C
INJECTION UNIT										
Screw Diameter	mm	55	60	65	67	70	75	70	75	80
Screw I/D Ratio	L/D	24	22	20.3	23	22	20.5	23.6	22	20.6
Short volume (theoretical)	cm2	676	805	945	1181	1289	1480	1500	1723	1980
Injection Weight (ps)	g	615	732	312.2	1076	1175	1349	1365	1567	1784
Injection Rate	g/s	223.5	266	143	337	368	422	344	395	499
Injection Pressure	MPa	200	168		183	168	146	199	173	152
Screw Speed	rmp		220			195			150	
CLAMPING UNIT										
Clamping Force	KN	3000			3500			4500		
Open Stroke	mm	590			66.			720		
Space Between Tie Bars (w*h)	mm	630X630			680X680			730X730		
Max. Mold Height	mm	630			720			780		
Min. Mold Height	mm	200			250			250		
Ejector Stroke	mm	150			160			190		
Ejector Force	KN	70			70			110		
OTHERS										
Max. Pump Pressure	MPa	16			16			16		
Pump Motor Power	KW	30			37			46		
Heating Power	KW	18.3			24.7			29.3		
Machine Dimension (l*w*h)	m	6.11X1.81X2.41			7.08X1.99X2.38			7.56X2.00X2.52		
Oiltank Cubage	L	8.8			680					
Machine Weight	t				12.8					

Specification	CN	 AYUSH - 550				 AYUSH - 650				 AYUSH - 700				 AYUSH - 750			
		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
		INJECTION UNIT															
Screw Diameter	mm	75	80	85	90	80	85	90	95	90	95	85	85	90	95	105	110
Screw I/D Ratio	L/D	23.7	22	20.7	19.5	23.4	22	20.7	19.6	23.3	22	20.7	20.7	23.	22	19.9	19
Short volume (theoretical)	cm2	1727	1965	2218	2487	2215	2500	2802	3122	2544	2835	2218	2218	2925	3258	3980	4369
Injection Weight (ps)	g	1560	1788	2018	2266	2015	2275	2550	2841	2315	2580	2018	2018	2662	2965	3622	3975
Injection Rate	g/s	386	422	499	560	429	484	543	604	552	612	499	499	587	654	798	877
Injection Pressure	MPa	191	188	148	132	184	163	145	130	184	165	148	148	195	175	143	130
Screw Speed	rmp		130					130			150					115	
CLAMPING UNIT																	
Clamping Force	KN	5500				6500				7000				7500			
Open Stroke	mm	770				860				920				950			
Space Between Tie Bars (w*h)	mm	830X830				850X850				920X920				950X950			
Max. Mold Height	mm	810				860				920				960			
Min. Mold Height	mm	330				330				350				400			
Ejector Stroke	mm	240				240				260				280			
Ejector Force	KN	150				150				210				210			
OTHERS																	
Max. Pump Pressure	MPa	16				16				16				16			
Pump Motor Power	KW	55				55				30+37				37+37			
Heating Power	KW	33				40				49				59.1			
Machine Dimension (l*w*h)	m	7.74X1.89X2.69				8.6X2.1X2.7				10.65X2.37X2.63				11X15X2.33X3.55			
Oiltank Cubage	L	900				900				1040				1200			
Machine Weight	t	19				21				28				35.5			

AYUSH - Direction Control Valve



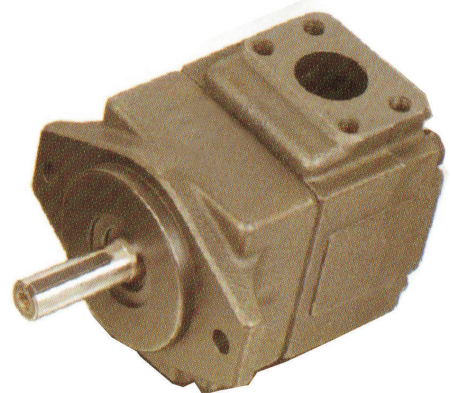
AYUSH - Proportional Electro-hydraulic Relief & Flow Control Valves



AYUSH - Granulator



AYUSH - Hydraulic Pump & Motor



API - Industrial Robotic Automation System



**ROBOTIC
ARM**

Model	Unit	API-650	API-650PR	API-750WS
Recommended	Ton	80-180	100-180	100-200
Type	mm			(Telescopic Type)
vertical Stroke	mm	650	P:650/R:650	750
Crosswise stroke	mm	120	P:120R:100 P:140-700	175
Swing Angle	0		50-90	
Swive Angle	0		90	
MAX Load	kg	2	2	3
Min Take Time	sec	0.8	0.9	2.2
Dry Cycle (without tool)	sec	4.2	4.3	4.0
Drive System			(Pressure)	
Working Air Pressure	kgf/cm2		5-7	
Air Consumption	n/cycle	7.7	12	7.7
Power Consumption	KVA	0.2	0.2	0.2
Power			AC220V+-10% 50/60hz	
Net Weight	kg	37	60	40

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
API-650	1450	1200	530	545	220	220	423	80	510	130	25	180	95	65
API-650PR	1450	1200	530	645	220	220	423	80	510	130	25	180	95	65
API-750WS	1200	930	530	645	220	220	423	80	410	130	25	180	95	65

AYUSH - Injection Molding Machine Controller



AYUSH - Automatic MTC



AYUSH - Linear Transducer



AYUSH - Pressure Transducer



AYUSH - Hopper Dryer



AYUSH - Hopper Loader



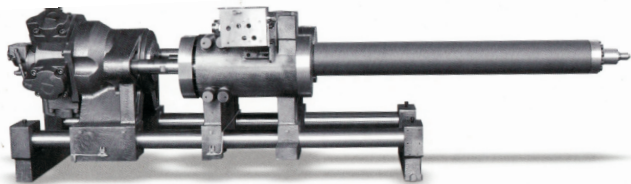
AYUSH - Servo Power Saving



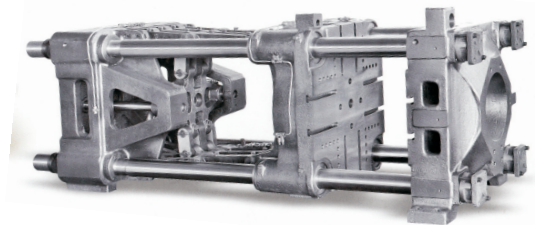
AYUSH - Hydraulic Hoses



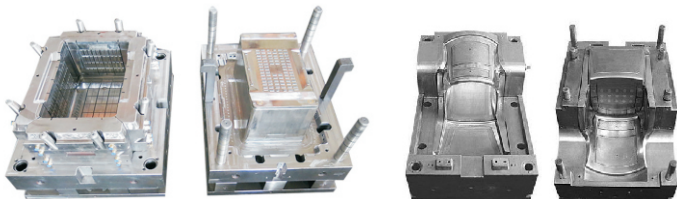
AYUSH - Injection Unit



AYUSH - Clumping Unit



AYUSH- New Injection Mould



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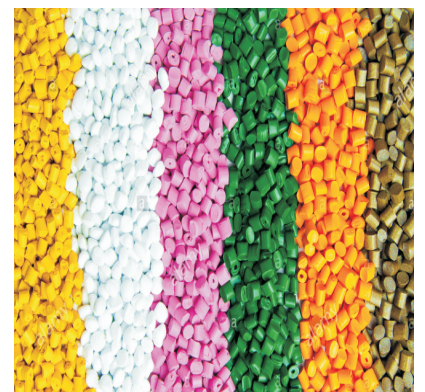
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