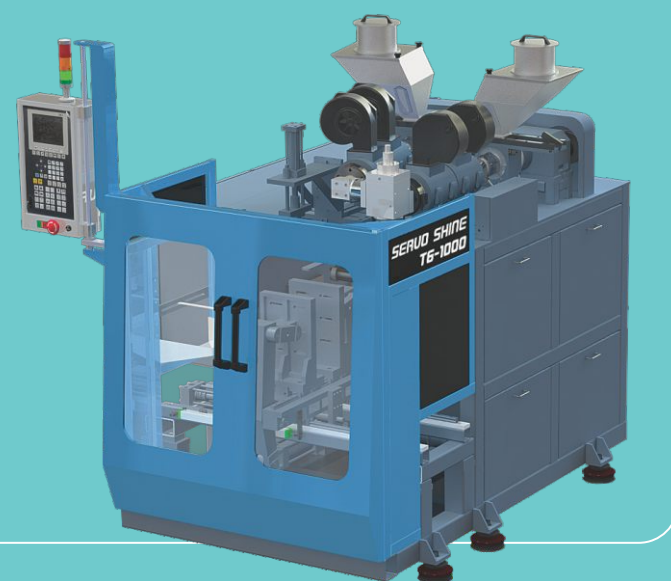




**NEW
LAUNCH**

250ML to 250LTR BLOW MOULD MACHINE



**SUMITEK
NATRAJ**



For Website



For PDF Brochure

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.

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Vendor INQ : Mo.: +91- 95128 20014

E-mail : sales@sumiteknatraj.com | marketing@sumiteknatraj.com
: support@sumiteknatraj.com | export@sumiteknatraj.com

Service : Gujarat, Maharashtra, Delhi, Karnataka, Tamilnadu,
Network : Telangana, Madhya Pradesh

www.xadax.in | 10/24

**SUMITEK
NATRAJ**

**GT
servo**
Toggle Injection Moulding Machines



80 TO 700 TON

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





ABOUT US

SUMITEK NATRAJ MACHINERY PRIVATE LIMITED has over 45 year Experience in Plastic Moulding Solution. We manufacture & export plastic injection moulding & blow moulding machines. We deliver precision, high-quality, high productive and energy efficient machines with sustainable manufacturing practice. We are known for our dynamism towards the technological advancements and for the outstanding customer service in the industry. Our company operates globally, with a presence over more than 15 countries.

We continuously strive to develop new and improved products that meet the evolving needs of our customers. In view of environmental concerns all over world, we continue to use latest technology to ensure our products remain energy efficient.

We have modular product range of various injection moulding machines consisting of GT SERVO, ACTIVE, PETLINE, PVC STREAM SERVO, CPVC STREAM SERVO, ACCUFAST, SPAR, WAVE ranging from 800 kn to 7000 kn clamping force, with modular Injection Units 190 to 4800 to meet customers specific needs.

VISION

Continue to offer quality products to meet customer's needs beyond their expectations.

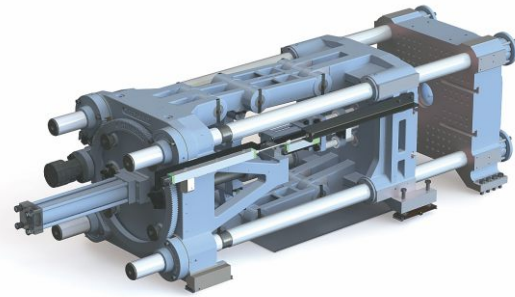
OUR FOCUS

- *Customer's Satisfaction
- *Quality Products



SERIES MACHINES ARE SUITABLE FOR A WIDE VARIETY OF APPLICATIONS

ENGINEERING AND AUTOMOBILE PARTS		
INDUSTRIAL AND SANITARY PRODUCTS		
HOUSEHOLD, CHAIR, CRATE AND KITCHENWARE PRODUCTS		
TOYS & BOBBIN PRODUCTS		
ELECTRIC & MEDICAL PRODUCTS		
HDPE & IRRIGATION FITTINGS		
BOTTLES & CAPS		



CLAMPING UNIT

- Heavy Duty 5-point Double Toggle Mechanism With Large Mould Opening Stroke.
- High Stiffness Platen Design With Large Mould Mounting Area.
- Platen Casting Design With Finite Element Analysis For Maximum Rigidity.
- Mould Platen With T-slots.
- Long Life By Providing Oilless Bushing With Graphite Impregnated For Toggle Mechanism.
- Platens With Euromap Standard.
- Long Moving Platen Guide Increases Mould Life.



SKATE PAD

- High Wear Resistant Skate-pad For Heavy Mould Loading That Reduces Platen Deflection and Enhances Tiebar Life.
- High Wear Resistant Carbon Steel Strip.



AUTOMATIC GREASE LUBRICATION

- High Pressure Grease Lubrication System Provides Positive Lubrication.
- Ensures Continuous And Optimum Lubrication To Reduce Friction & Longer Toggle Life.



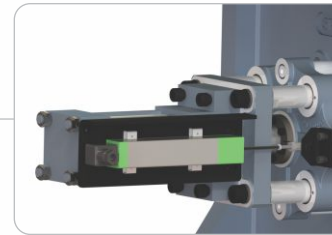
ENERGY EFFICIENT HYDRAULIC

- Return Line Filter With Clogging Sensor.
- High Efficiency & Fast Response Hydraulic Valve With Applicable Pipe Size Selection Reduces Oil Heat & Saves Power.
- Hydraulic Directional Valve With On /off Indicator Connector.



NUT GEAR

- High Strength Gear Nut (Tiebar Nut) That Gives Rigid & Positive Clamping Force.



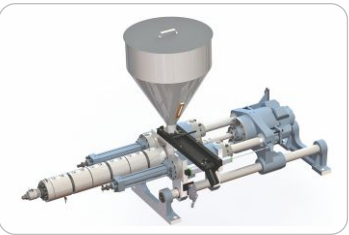
EJECTOR

- Smooth & Fast Ejection.
- Multiple Ejection Point & Evenly Distributed Ejection Force.
- Euromap Ejection Point.
- Easy Accessibility.



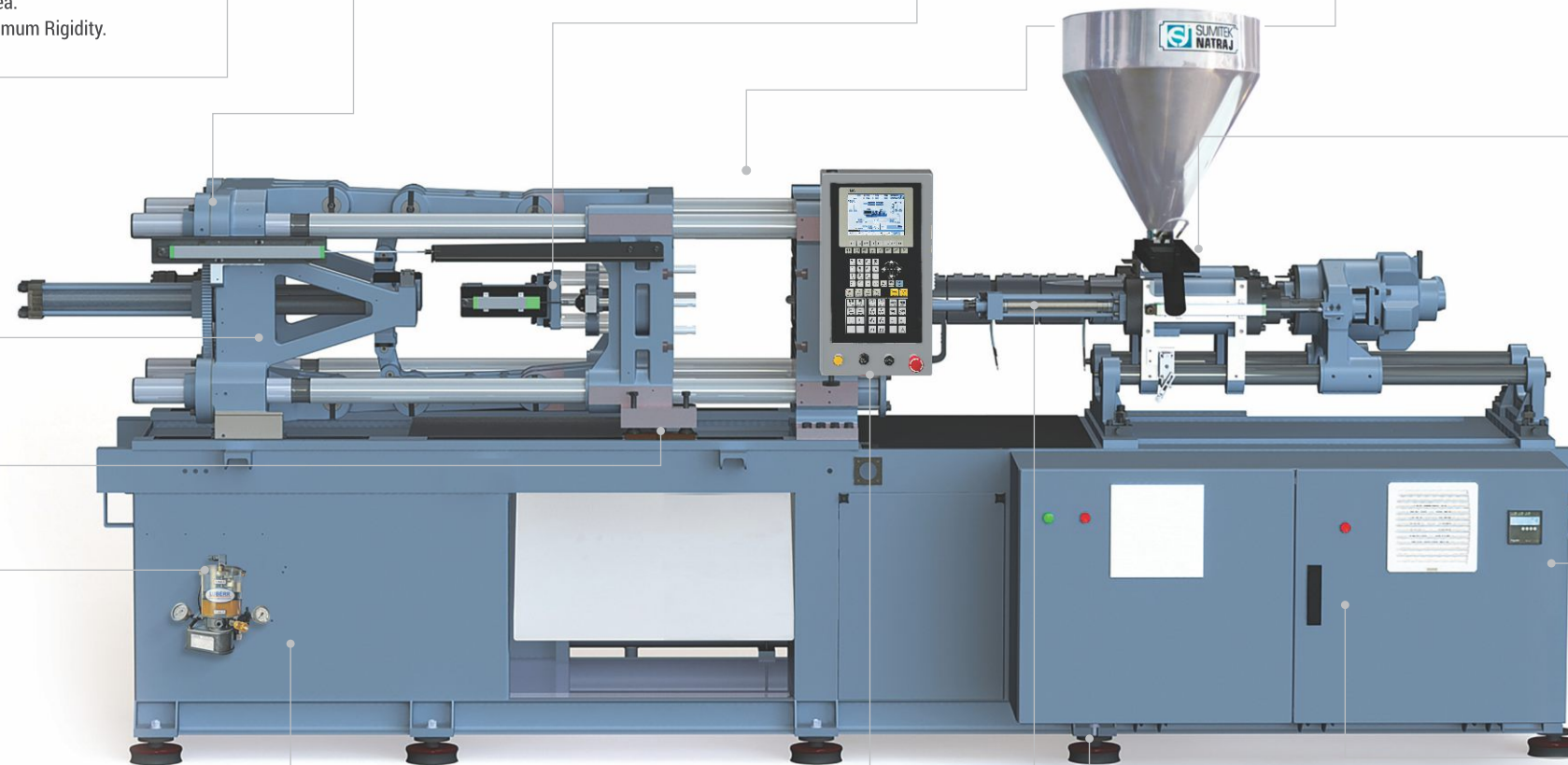
WIPER SEAL

- Keep Lubrication between Platen Hole & Tiebar For Smooth Movement.
- Dust Free Moving Platen Movement Gives Better Tiebar Life



INJECTION UNIT

- High Torque Hydraulic Motor For Better Plasticization.
- Longer Life Of Mould With Dual Nozzle Cylinder Design
- Provision For Multiple Screw Change By Changing Spline Bush Only.
- Low Noise Hydraulic Motor.
- Carriage Loaded Injection to Prevent Material Leakage



ELECTRICAL PANEL

- Energy Meter.
- High Quality Electrical Components And Excellent Circuit Hardware Design.
- Stable And Reliable Control System With A Stronger Anti-interference Function.
- Ease In Maintenance.
- Over Voltage, Under Voltage, Phase Loss And Phase Sequence Protection.
- Separate And Specious Wiring For Power And Control Unit
- 230 VAC Components Safe By Isolation Transformer.
- Ensured Panel Safety with IP-54 Protection.



HMI

- 8.0/10.4 Inch , TFT Colour Display.
- Precise Mould Safety.
- High Speed Microprocessor Controller.
- Self Diagnostics & Fault Finding Capacity.
- Graphical Presentation Of Important Functions.
- Automatic Calibration Of Sensors And Valves.
- PDP & SPC Function.
- Multiple User Passwords.
- Quality Data Logging.
- Unlimited Mould Data Storage Through USB
- USB Connection For Printer, Modem, USB Stick etc.

ANTI VIBRATING PAD

- Minimum Vibrations.
- Precise & Fast Leveling.
- Textured Bottom for Anti-Skid



SCREW & BARREL

- Gas Nitrided Injection Screw & Barrel For The Ultimate In Wear Resistance.
- Process Ability At Lower Melting Temperature.
- Excellent Melt Homogeneity.
- Special Screw Design.
- Improved Product Quality.
- Better Plastification Rate.



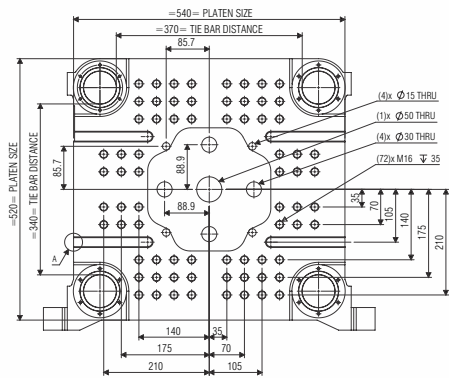
SERVO TECHNOLOGY

- Outstanding Power Saver.
- Precise And Fast Response.
- Outstanding Consistency And Repeatability.
- Low Noise Level.
- Lower Oil Heat Generation.
- Faster Response Towards Hydraulic System.
- Enhanced Oil & Hydraulic Seal's Life.
- Less Cooling Water Consumption.

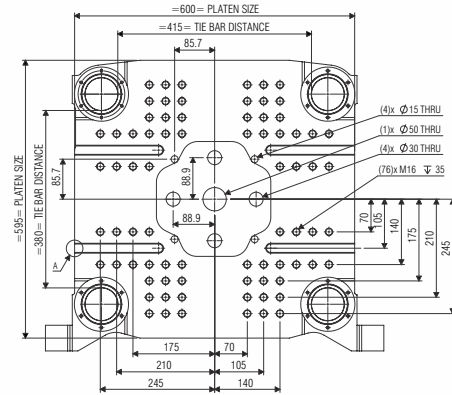
Model		80 Ton			100 Ton			120 Ton						140 Ton									160 Ton									180 Ton									200 Ton																		
INJECTION UNIT		UNIT	190			270			270			410			270			410			590			410			590			1050			410			590			1050			410			590			1050											
			A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C												
INJECTION CAPACITY MAX. (GPPS)		gm	87	113	144	130	165	200	130	165	200	190	240	300	130	165	200	190	240	300	260	330	410	190	240	300	260	330	410	445	540	640	190	240	300	260	330	410	445	540	640	190	240	300	260	330	410	445	540	640									
INJECTION PRESSURE		bar	2428	1860	1470	2279	1800	1458	2279	1800	1458	2351	1904	1505	2279	1800	1458	2351	1904	1505	2476	1957	1585	2351	1904	1505	2476	1957	1585	2126	1757	1476	2351	1904	1505	2476	1957	1585	2126	1757	1476	2351	1904	1505	2476	1957	1585	2126	1757	1476									
INJECTION RATE		cc/sec	66	86	109	94	119	147	94	119	147	114	141	178	118	149	184	114	141	178	135	171	212	114	141	178	135	171	212	189	229	273	114	141	178	135	171	212	189	229	273	114	141	178	135	171	212	189	229	273									
INJECTION SCREW STROKE		mm	150			170			170			200			170			200			220			200			220			240			200			220			240			200			220			240											
SCREW DIAMETER		mm	28	32	36	32	36	40	32	36	40	36	40	45	32	36	40	36	40	45	40	45	50	36	40	45	40	45	50	50	55	60	36	40	45	40	45	50	50	55	60	36	40	45	40	45	50	50	55	60									
SCREW L / D RATIO		-	25.2	22	19.5	24.8	22	19.8	24.8	22	19.8	24.5	22	19.6	24.8	22	19.6	24.8	22	19.8	23	21	19.2	24.5	22	19.6	24.8	22	19.8	23	21	19.2	24.5	22	19.6	24.8	22	19.8	23	21	19.2	24.5	22	19.6	24.8	22	19.8	23	21	19.2									
NO. OF HEATING ZONE (BARREL+NOZZLE)		-	3 + 1N			3 + 1N			3 + 1N			3 + 1N			3 + 1N			3 + 1N			4 + 1N			3 + 1N			4 + 1N			4 + 1N			3 + 1N			4 + 1N			4 + 1N			3 + 1N			4 + 1N			4 + 1N											
TOTAL HEAT CAPACITY		kw	9			10.2			10.2			11.8			10.2			11.8			14.1			11.8			14.1			18.1			11.8			14.1			18.1			11.8			14.1			18.1											
CLAMP UNIT																																																											
CLAMP FORCE		ton	80			100			120						140						160						180						200						220						240														
CLAMP STROKE		mm	325			350			375						400						420						440						460						480						500														
MAXIMUM DAYLIGHT		mm	675			750			855						920						960						990						1020						1050						1080														
MINIMUM MOULD HEIGHT		mm	125			150			150						150						150						200						200						200						200														
MAXIMUM MOULD HEIGHT		mm	350			400			480						520						540						550						570						580						600														
PLATEN SIZE (H x V)		mm	540 x 520			600 x 595			635 x 635						700 x 670						715 x 685						745 x 695						775 x 755						800 x 785						830 x 810														
DISTANCE BETWEEN TIE ROD (H x V)		mm	370 x 340			415 x 380			440 x 400						480 x 450						500 x 460						520 x 470						540 x 505						560 x 525						580 x 545														
EJECTOR STROKE		mm	90			100			120						120						140						140						140						140						140														
EJECTOR FORCE		ton	3.3			5.3			5.3						5.3						5.3						5.3						5.3						5.3						5.3														
MOULD WEIGHT CAPACITY		kg	400			650			850						1000						1100						1300						1400						1500						1600														
GENERAL																																																											
SERVO DRIVE		kw	9.5			15			15			18			18			22			18			22			30			18			22			30			18			22			30			18			22			30					
TOTAL OIL TANK CAPACITY		ltr	210			240			250			250			310			310			310			340			340			350			350			400			400			400			400			400			400								
CONNECTED LOAD		kw	18.5			25.2			25.2			29.8			28.2			29.8			36.1			29.8			36.1			48.1			29.8			36.1			48.1			29.8			36.1			48.1			29.8			36.1			48.1		
MACHINE DIMENSIONS (L x W x H)		m	4.1 x 1.5 x 2			4.6 x 1.5 x 2			4.8 x 1.5 x 2			4.8 x 1.5 x 2			5.1 x 1.7 x 2.1			5.1 x 1.7 x 2.1			5.3 x 1.7 x 2.1			5.3 x 1.7 x 2.1			5.6 x 1.7 x 2.1			5.5 x 1.7 x 2.2			5.5 x 1.7 x 2.2			5.8 x 1.7 x 2.2			5.7 x 1.8 x 2.2			5.7 x 1.8 x 2.2			6.0 x 1.8 x 2.2														
MACHINE WEIGHT (Approx.)		ton	3.4			4			4.3			4.5			5.1			5.3			5.6			6.0			6.2			6.4			6.7			6.8			7.0			7.3			7.5			7.8											

Model		220 Ton									260 Ton									300 Ton									400 Ton									500 Ton						700 Ton																																
INJECTION UNIT		590			1050			1430			1050			1430			1860			1050			1430			1860			1430			1860			2090			2090			3220			3220			4800																													
		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	A	B	C																																	
INJECTION CAPACITY MAX. (GPPS)	gm	260	330	410	445	540	640	740	870	1000	445	540	640	740	870	1000	1000	1160	1335	445	540	640	740	870	1000	1000	1160	1335	740	870	1000	1000	1160	1335	1310	1500	1710	1310	1500	1710	1900	2400	2965	1900	2400	2965	3710	4490	5340																											
INJECTION PRESSURE	bar	2476	1957	1585	2126	1757	1476	1750	1491	1286	2126	1757	1476	1750	1491	1286	1665	1436	1251	2126	1757	1476	1750	1491	1286	1665	1436	1251	1750	1491	1286	1665	1436	1251	1615	1407	1236	1615	1407	1236	1695	1339	1085	1695	1339	1085	1940	1600	1350																											
INJECTION RATE	cc/sec	135	171	212	189	229	273	242	284	329	189	229	273	242	284	329	306	355	408	189	229	273	242	284	329	306	355	408	292	342	397	306	355	408	316	363	413	416	478	544	476	602	744	476	602	744	602	729	866																											
INJECTION SCREW STROKE	mm	220			240			280			240			280			320			240			280			320			280			320			360			400			400			500																																
SCREW DIAMETER	mm	40	45	50	50	55	60	60	65	70	50	55	60	60	65	70	65	70	75	50	55	60	60	65	70	65	70	75	60	65	70	65	70	75	70	75	80	70	75	80	80	90	100	80	90	100	100	110	120																											
SCREW L / D RATIO	-	24.8	22	19.8	23	21	19.2	22	20.3	21.5	21	19.2	19.5	22	20.3	21.5	22	20.5	22	23	21	19.2	22	20.3	21.5	22	20.5	22	22	20.3	21.5	22	20.5	22	22	20.5	22	24	21.5	22	24	21.5	22	23	22	22																														
NO. OF HEATING ZONE (BARREL+NOZZLE)	-	4 + 1N			4 + 1N			4 + 1N			4 + 1N			4 + 1N			4 + 1N			4 + 1N			4 + 1N			4 + 1N			4 + 1N			4 + 1N			4 + 1N			4 + 1N			4 + 1N			4 + 1N																																
TOTAL HEAT CAPACITY	kw	14.1			18.1			22.5			25.7			18.1			22.5			25.7			27			31.2			18.1			22.5			25.7			27			31.2			22.5			25.7			32			36.6			40			45.8			40			45.8			54			57			62		
CLAMP UNIT																																																																												
CLAMP FORCE	ton	220									260									300									400									500						700																																
CLAMP STROKE	mm	475									560									580									680									830						1040																																
MAXIMUM DAYLIGHT	mm	1075									1290									1380									1510									1730						2140																																
MINIMUM MOULD HEIGHT	mm	200									200									200									200									300						400																																
MAXIMUM MOULD HEIGHT	mm	600									730									800									830									900						1100																																
PLATEN SIZE (W x V)	mm	822 x 765									870 x 870									900 x 895									1045 x 1035									1210 x 1180						1440 x 1440																																
DISTANCE BETWEEN TIE ROD (H x V)	mm	570 x 500									620 x 570									650 x 600									725 x 675									830 x 770						1040 x 970																																
EJECTOR STROKE	mm	160									160									160									200									205						225																																
EJECTOR FORCE	ton	6.6									8.5									8.5									8.5									10.8						13.3																																
MOULD WEIGHT CAPACITY	kg	1500									2400									2700									4000									5500						7000																																
GENERAL																																																																												
SERVO DRIVE	kw	22			30			30			30			30			37			30			30			37			37			37			45			60			60			70																																
TOTAL OIL TANK CAPACITY	ltr	420			420			420			460			460			510			510			510			660			660			660			850			850			850			950																																
CONNECTED LOAD	kw	36.1			48.1			52.5			55.7			48.1			52.5			55.7			64			68.2			59.5			62.7			64.0			68.2			69.0			73.6			77.0			81.6			100.0			105.8			100.0			105.8			124			127			132					
MACHINE DIMENSIONS (L x W x H)	m	5.9 x 1.9 x 2.3			5.9 x 1.9 x 2.3			6.2 x 1.9 x 2.3			6.3 x 2.0 x 2.4			6.3 x 2.0 x2.4			6.3 x 2.0 x 2.4			6.5 x 2.0 x 2.5			6.5 x 2.0 x 2.5			6.8 x 2.0 x 2.5			7 x 2.1 x 2.5			7 x 2.1 x 2.5			7.5 x 2.3 x 2.7			8.5 x 2.3 x 2.7			9 x 2.3 x 2.7			9.5 x 2.4 x 2.7			10.2 x 2.4 x 2.7																													
MACHINE WEIGHT (Approx.)	ton	7.7			7.9			8.2			10.0			10.5			10.9			11.3			12			12.4			14.4			15			15.7			22.7			23.2			30			31.5																													

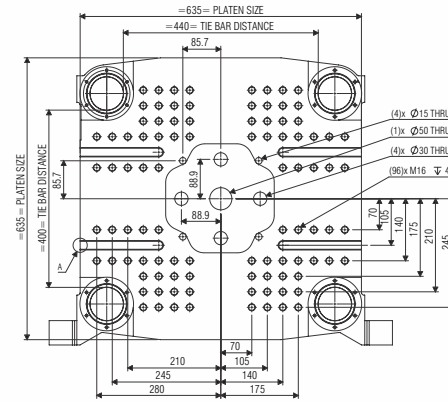
- Injection unit change is possible as per requirements.
- Actual figures may change depending on your final machine configuration.



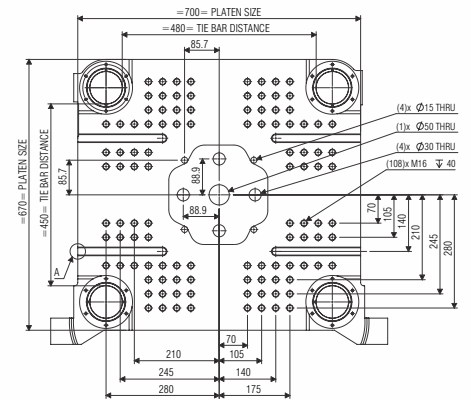
GT SERVO 80 Moving Plate



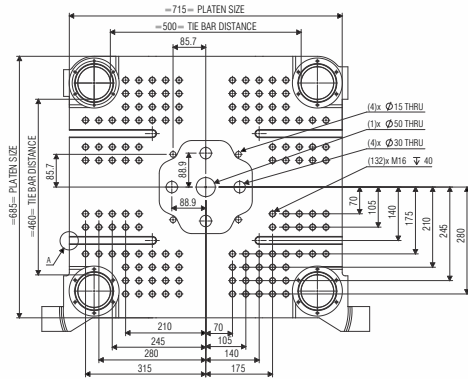
GT SERVO 100 Moving Plate



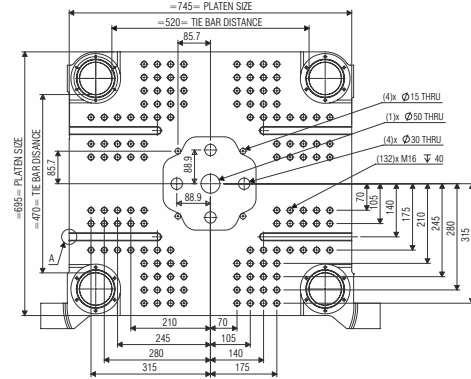
GT SERVO 120 Moving Plate



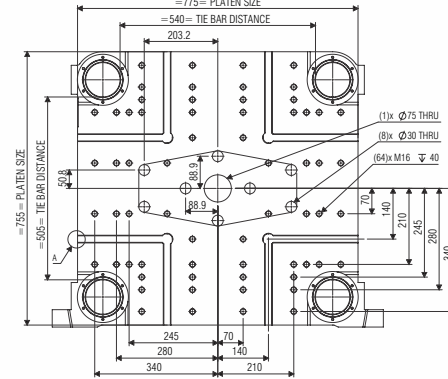
GT SERVO 140 Moving Plate



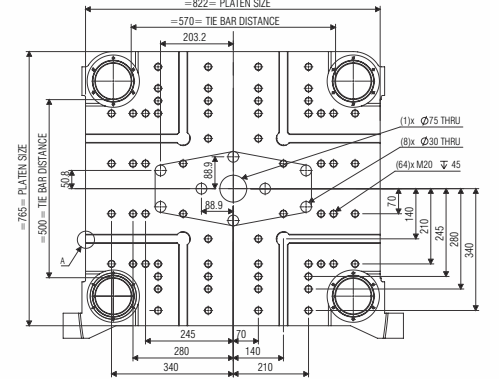
GT SERVO 160 Moving Plate



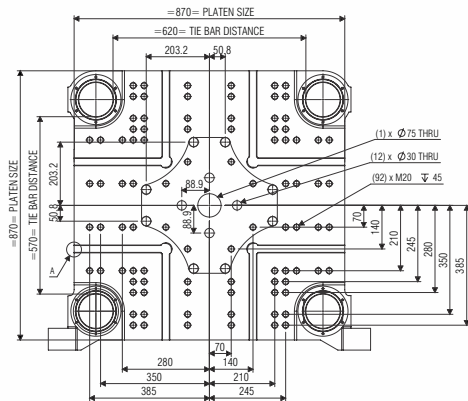
GT SERVO 180 Moving Plate



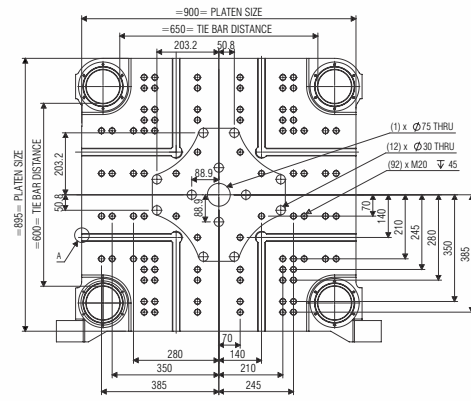
GT SERVO 200 Moving Plate



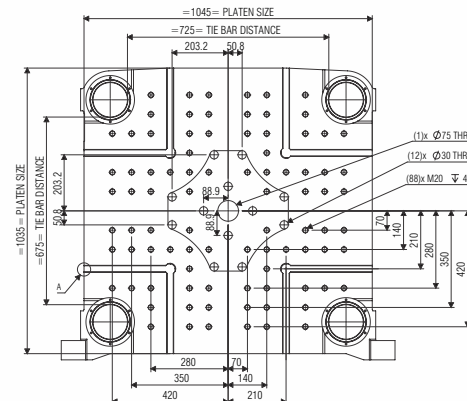
GT SERVO 220 Moving Plate



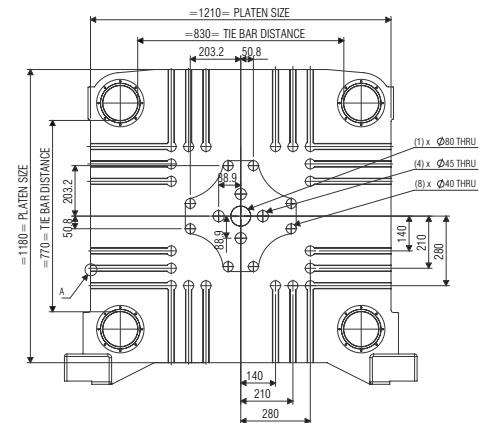
GT SERVO 260 Moving Plate



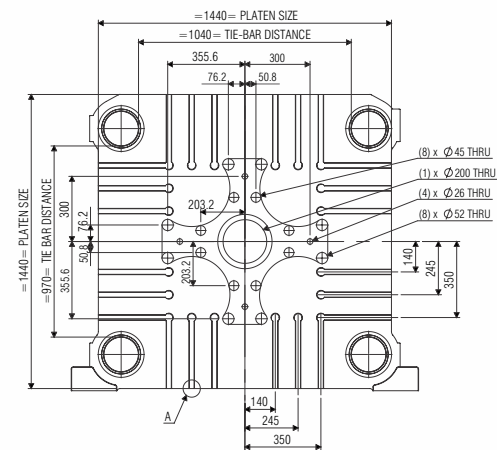
GT SERVO 300 Moving Plate



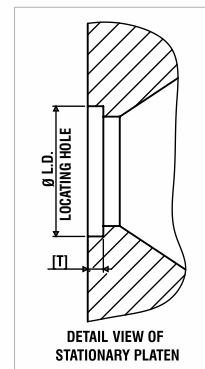
GT SERVO 400 Moving Plate



GT SERVO 500 Moving Plate

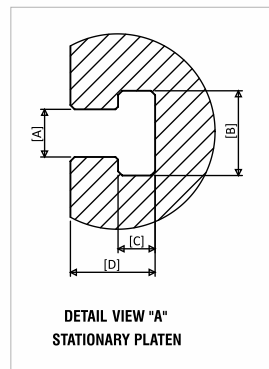


GT SERVO 700 Moving Plate



STATIONARY PLATEN LOCATING RING SIZE DETAILS			
TON	LD H7	T (+0.1)	
80	Ø125	15	
100	Ø125	15	
120	Ø125	15	
140	Ø125	15	
160	Ø125	15	
180	Ø125	15	
200	Ø125	15	
220	Ø160	15	
260	Ø160	22	
300	Ø160	22	
400	Ø160	22	
500	Ø200	22	
700	Ø250	22	

TON	T - SLOT DETAILS			
	A	B	C	D
80	18	32	14	32
100	18	32	14	32
120	18	32	14	32
140	18	32	14	32
160	18	32	14	32
180	18	32	14	32
200	18	32	14	36
220	22	40	18	45
260	22	40	18	45
300	22	40	18	45
400	22	40	18	45
500	22	40	18	45
700	28	50	22	56



NOTE : ALL DIMENSIONS ARE IN MM.
T- SLOT & THREAD DIMENSIONS ARE AS PER EURO MAP STANDARD.
EJECT. CENTER DIST. ARE TYPICAL IN FOUR QUADRANTS

CLAMPING UNIT
IN RESPECT OF ALL MODELS.

Heavy duty 5-point double toggle mechanism with large mould opening stroke.

High stiffness platen design with large mould mounting area.

High wear resistance & high strength gear nut (tiebar nut) gives rigid & positive clamping force.

Five stage mould close / open speed (slow-fast-slow) & pressure.

Multi stage digital speed and pressure setting to operate the mould.

Computer aided design toggle mechanism gives optimal mould closing and opening speed profits.

Ramping adjustment for accurate position.

Linear transducer for accurate clamp position.

Mould protection with repeat again option.

Travel time display for close & open for producing any item while operations.

Auto-mould height adjustment with hydraulic motor.

Hard-chrome plated high-tensile steel tie-bars with stress relieve design.

Auto-lubrication based on shot adjustment (as standard features).

Hydraulic ejector with multiple selection. (continuous, shake, hold etc.)

Linear transducer on ejector cylinder.

Shaking ejector for multi-cavity mould.

Less vibrations & jerks due to ramp adjustment.

Large mould mounting area for producing large articles especially useful for pet preform, pipe fittings etc.

Platen casting design with finite element analysis for maximum rigidity.

Mould platen with t-slots.

Hydraulic & electrical safety interlocks during moving platen movements for moulds & operator safety.

Separate pressure & speed setting for mould set-up.

All casting passed through strict ultrasonic test and tensile testing process.

High wear resistant skate-pad for heavy mould loading.

Long life by providing oilless bushing, with graphite impregnated for toggle mechanism.

Transparent vision on both safety doors.

Trouble free precise clamping force for long period through heavy-duty toggle design.

Extra life to toggle mechanism with top fixed cover which keeps clamping unit dust free.

Single station corepull provision.

Air valve connection.

HYDRAULIC SYSTEM

Energy efficient servo hydraulic system.

Digital oil temperature gauge.

Oil level gauge (low & high).

Direct reading hydraulic pressure.

Contamination free oil tank with Air breather.

Compact, easily accessible injection and clamping valves to minimize the heat generation.

Return line filter as standard accessories.

Alarm / shut down for return filter clogging.

Alarm / shut down for low oil level. (hydraulic tank)

Alarm / shut down for low lubrication oil level.

Provides high safety as main motor shuts down on opening rear gate.

Hydraulic directional valve on/off indicator connector.

Inline 10 Micron Filtration unit for Oil Filling Port.

CONTROL SYSTEM
IN RESPECT OF ALL MODELS.

Energy meter.

Multi password facility for operators.

M.C.C.B. Operating Mechanism.

SMPS - Switched Mode Power Supply gives Linear power supply.

Digital setting timers.

M.C.B. for each heating zone.

PID temp controller for accurate control.

Dedicated microprocessor control system with led input / output indicator for simplified checking

Digital display timer.

Digital display shot counter.

MPCB for motor protection.

Pressure & flow for each function control by Microprocessor.

Linear scale for injection, clamping & ejector cylinder.

Value change record page.

Alarm history page.

Printer interface with USB port.

Production / hour in vertical-bar for year.

In case of short circuit I/O replaceable on board.

Easy export / import of mould & machine data.

Hold button for on screen help (related to controller).

Injection cool prevent time stable.

Panel cabinet high temperature shut-down.

Power ON time.

Extra electric power supply socket for single phase & three phase.

Hourly energy consumption statics page (Product cost calculator)

Remote diagnosis by connecting with local PC via Ethernet port for any no. of machine.

SAFETY FEATURES IN RESPECT OF ALL MODELS.

Hydraulic safety on both front & rear door.

Electric mould safety.

Magnetic grills in hopper.

Provision for M.C.C.B.

Over load circuit breaker.

Under voltage-over voltage protection.

Reverse phase, single phase protection.

Providing hooks of commensurate size for risk free lifting of machine.

INJECTION UNIT
IN RESPECT OF ALL MODELS.

Gas nitrided hardened screw and barrel, for wear resistance and long life.

Screw for homogenous plasticizing with maddock design.

Screw back pressure with pressure gauge provision.

High torque hydraulic motor for better plasticization.

5-stage injection speed pressure & position control.

3-stage injection holding speed pressure & position control.

Hopper sliding arrangement for material removal.

Electric shot counter.

Cold slug Ejection by time.

Intrusion moulding program.

Selection of injection time & position both.

Screw tachometer (Digital RPM).

Pre-suck back function and after plasticizing suck back.

Heater failure & thermocouple failure detector.

High / low temperature alarm. (suitable low-high limit)

Auto heat start-up.

Longer life of mould with Twin Cylinder Design & Dual nozzle centering alignment device.

Linear potentiometer for injection / plasticizing.

Auto purging facility.

Ceramic bands heaters for instant heating.

Barrel heater safety cover.

Nozzle contact force confirmation with use of pressure switch.

Temperature Sensor at feed throat to ensure continuous production.

S.S. Water Manifold.

VARIOUS MATERIAL PROCESSING VALUES

INJECTION MATERIAL	DENSITY gm/cc	NOZZEL SIDE TEMP DEG C.	MOULD TEMP DEG	INJECTION PRESSURE BAR	HOLDING PRESSURE BAR	DRYING TEMPRATURE (DEG C)	DRYING TIME (Hrs.)
ABS	1.05	180-260	50-85	650-1550	350-900	90	3-4
ACRYLIC	1-19	200-260	50-80	800-1600	600-1300	75-90	3-5
CA	1.26-1.34	185-225	60-80	650-1350	400-1000	80	3-4
CAB	1.16-1.31	160-190	60-80	650-1350	400-1000	80	3-4
CP	1.17-1.24	160-220	50-70	650-1350	400-1000	75	2-3
HDPE	0.94-0.96	200-280	10-40	700-1400	300-800		
HIPS	1.05	200-270	40-70	650-1500	350-900	80	2-3
LDPE	0.92-0.94	200-290	10-40	650-1350	400-1000		
PA 6	1.12-1.14	230-260	40-120	450-1550	350-1050	70	3-5
PA 6. 6	1.13-1.15	270-295	20-120	450-1550	350-1050	70	3-5
PA 6. 10	1.09-1.11	220-260	20-100	450-1550	350-1050	70	3-5
PA 11	1.03	200-250	20-100	450-1550	350-1050	80	3-4
PA 12	1.02	260-300	20-100	450-1550	350-1050	80	3-4
PAI	1.4	260-380	170-230	1000-1600	600-1300	150	8
PBT	1.3-1.4	230-270	20-60	800-1500	500-1200	140	4-5
PC	1.20-1.24	290-320	85-120	1000-1600	600-1300	120	3-4
PET	1.3-1.4	260-280	20-140	800-1500	500-1200	150	4-6
PMMA	1.17-1.2	220-250	20-90	1000-1400	500-1150	80	3-4
POM	1.41-1.42	185-215	80-120	700-2000	500-1200	70	2-3
PP	0.9	220-290	20-60	800-1400	500-100	-	-
PPO mod	1.04-1.1	245-290	75-95	1000-1600	600-1250	120	5-6
PPS	1.34	300-370	20-200	750-1500	350-750	140	3-4
PS	1.05	160-230	20-80	650-1650	350-900	80	2-3
PSQ, PES	1.37-1.46	320-390	100-160	900-1400	500-1150	140	3-4
PVC- rigid	1.35-1.5	170-190	20-60	1000-1550	400-900	60	1-2
PVC- soft	1.3-1.7	150-170	20-60	400-1550	300-600	60	1-2
PU	1.2	170-240	40-80	650-1500	300-800	70	2-3
SAN	1.04	200-260	40-80	650-1550	350-900	80	3-4
TPE	1.2	180-240	40-50	650-1500	300-800	110	6

OPTIONAL FEATURES
IN RESPECT OF ALL MODELS.

Bi-metallic screw barrel.

Digital back pressure.

Hopper dryer & Hopper loader.

Hydraulic core-pulling and unscrewing.

Water flow regulator with temperature gauges.

Running hour-meter.

Special PVC screw & high dispersion barrel.

Auto-taker (robot) interface.

Air-ejector.

Hydraulic oil.

Gas injection interface only up to digital output from control.

Blowers with heaters for processing heat sensitive materials.

Nozzle shut off provision.

Hot runner temperature controller.

Extended nozzle with heater.

Multiline water battery with temperature Indicator guard.

Close loop valve.

Ladder for loading material in hopper.

Ejector in back position confirmation by proximity sensor.

Remote monitoring .

Power Consumption

