

## Pet Stretch Blow Moulding Machine



### MODEL NAMES FOR SEMI AUTOMATIC MACHINES

<u>SM 1500-</u>	Double Cavity 1.5 Litres Semi Automatic Pet Stretch Blow Moulding Machine.
<u>SM 2000-</u>	Double Cavity 2 Litres Semi Automatic Pet Stretch Blow Moulding Machine.
<u>SM 5/46-</u>	Single Cavity 5 Litres (Max Neck Dia 46 mm) Semi Automatic Pet Stretch Blow Moulding Machine.
<u>SM 5/120-</u>	Single Cavity 1 Litre (Max Neck Dia 120 mm) Semi Automatic Pet Stretch Blow Moulding Machine.
<u>SM 15/120-</u>	Single Cavity 15 Litres(Max Neck Dia 120 mm) Semi Automatic Pet Stretch Blow Moulding Machine.

- Semi Automatic Pet Stretch Blow Moulding Machine for processing Pet containers of 250ml to 2 lit of neck dia. 28mm to 45mm (Double Cavity). Suitable for 25 bar air pressure, 8 Ton Hydro-Pneumatic Locking System. With Conveyorised Pre - Heating System and microprocessor. Model no. NP/2000.
- Semi Automatic Pet Stretch Blow Moulding Machine for processing Pet containers of 5 lit. Jar neck dia. 46mm (Single Cavity), bottle 250ml to 2 litres. neck dia 28mm to 46mm (double cavity). Suitable for 25 bar air pressure. 8 Ton Hydro-Pneumatic Locking System. With Infra red Conveyorised Pre-Heating System and microprocessor. Model no. NP/5/8
- Semi Automatic Pet Stretch Blow Moulding Machine for processing Pet containers of 5 lit. Jar neck dia 46mm to 110mm(Single Cavity), bottle 250ml to 2lit. neck dia 28mm to 46mm(double cavity). Suitable for 25 bar air pressure. 8 Ton Hydro-Pneumatic Locking System. With Infra red Conveyorised Pre-Heating System and microprocessor. Model no. NP/5/120
- PET Bottle and Pre-form, Scrap Grinder 7.5 HP, High speed Grinder.
- Plastic Blow Moulding Machines Capacity 100ml to 5 Litre for Containers in P.V.C, H.D.P.E & P.P. Material.

### Accessories required for the above PET machines as follows

- Compressor : 12.5 HP for machine No. 1 20 HP for Machine no. 2 & 3 and
- Chiller : for Machine no. 2 & 3
- Cooling Tower : for Machine no. 1

System Component Exported by:

**ENCON** Consulting Engineers

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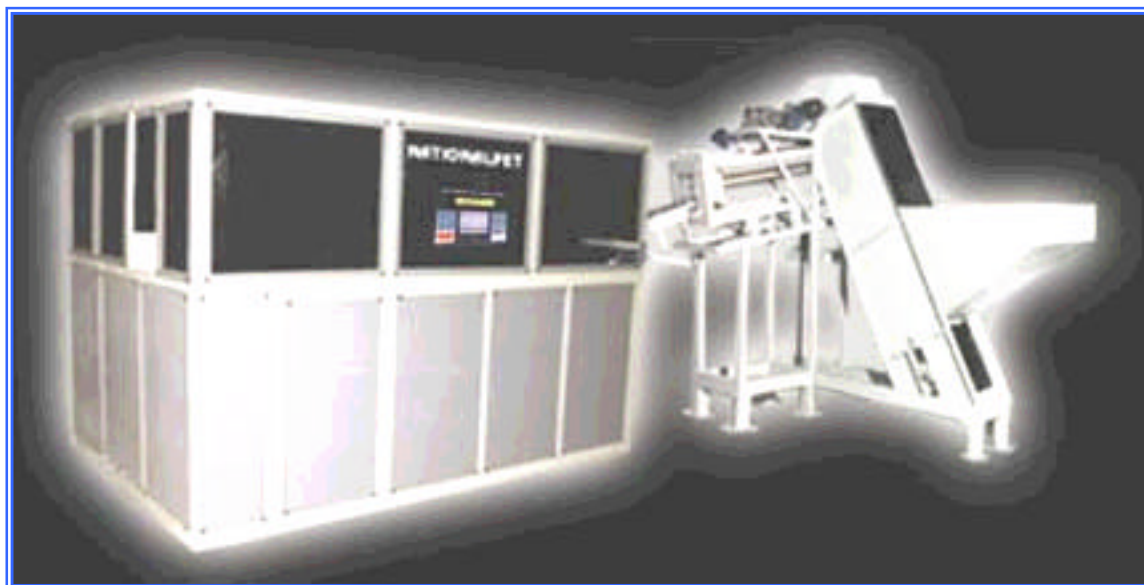
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## Pet Stretch Blow Moulding Machine



### MODEL NAMES FOR FULLY AUTOMATIC MACHINES

**SP/2000/DC/FA**-----Double Cavity 2 Litres Fully Automatic Pet Stretch Blow Moulding Machine

**SP/5000/SC/FA**-----Single Cavity 5 Litres Fully Automatic Pet Stretch Blow Moulding Machine.

**SP/1000/SC/FA**-----Single Cavity 1 Litre Fully Automatic Pet Stretch Blow Moulding Machine.

### **SPECIAL FEATURES :-**

- \* Production capacity of 1400 to 1600 bottles /hour up to 30mm neck size and up to 700 to 800 jars of 5 litres of 46mm neck without much of labour requirement.
- \* Consistent quality assurance with highest production and lowest rejection percentage.
- \* 160 character 4 line LCD Screen for complete fault finding with buzzer and 20 product memory for quick changeover as provided by worlds leading machine manufacturers.
- \* Hydraulic locking system to avoid parting line visibility by usage of high pressure blowing up to 40 bars For CSD bottles.
- \* Fully enclosed system for 100% hygiene and internal lighting for continuous monitoring most suitable for sensitive industries like pharmaceutical in particular.
- \* Unique bottle auto clipper for online transfer to conveyer for online filling system and also option of bottle ejector.
- \* International quality INFRARED heaters for most uniform, Quick and consistent heating of pre-forms.
- \* Integrated water cooling system for complete machine with just one inlet and one outlet.

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**TECHNICAL SPECIFICATIONS TABLE**  
**FOR FULLY AUTOMATIC MACHINE**

<b><u>SPECIFICATIONS</u></b>	<b><u>UNITS</u></b>	<b><u>SP/2000/DC/FA</u></b>	<b><u>SP/5000/SC/FA</u></b>	<b><u>SP/1000/SC/FA</u></b>	<b><u>SP/1000/FC/FA</u></b>
Max product Capacity	ml	2000 ml	5000 ml	1000 ml	1000 ml
Min product Capacity	ml	250 ml	5000 ml	50 ml	250 ml
Max Neck Diameter	mm	25 to 30mm	38 to 120 mm	19 to 46 mm	28 mm
Max Product Diameter	mm	100 mm	200 mm	80 mm	80 mm
Max Product Height	mm	340 mm	340 mm	300 mm	300 mm
Production Capacity	Bottles/Hour	1400 to 1600	500 to 600	800 to 900	2800 to 3200
Max Blow Height	mm	340 mm	340 mm	300 mm	300 mm
Cavity	No's	2 Moulds	1 Mould	1 Mould	4 Mould
Working Pressure	Bar/kg	0 to 9 Bar/kg	0 to 9 Bar/kg	0 to 9 Bar/kg	0 to 9 Bar/kg
Blowing Pressure	Bar/kg	0 to 40 Bar/kg	0 to 25Bar/kg	0 to 40 Bar/kg	0 to 40 Bar/kg
Heater Power	KW	24 KW	28 KW	20 KW	44 KW
Clamping Stroke	mm	200 mm	250 mm	150 mm	150 mm
Clamping Force	Ton	20 Ton	18 Ton	15 Ton	15 Ton
Max Mould Thickness	mm	200 mm	250 mm	150 mm	200 mm
Min Mould Thickness	mm	150 mm	230 mm	150 mm	150 mm
Hydraulic Motor	HP	7.5 HP	10 HP	7.5 HP	10 HP
Cavity Center Distance	mm	160 mm	-----	130 mm	130 mm
Chiller	Ton	2 Ton	2 Ton	1.5 Ton	3 Ton
Compr High Pressure	HP	20 HP x 2	20 HP	20 HP	20 HP x 2
Compr Low Pressure	HP	-----	15 HP	-----	-----

**TECHNICAL SPECIFICATIONS TABLE**  
**FOR SEMI AUTOMATIC MACHINE**

<b>Production Capacity</b>	<b>Bottles/Hr</b>	<b>500 Bottles/Hr</b>	<b>250 Bottles/Hr</b>	<b>250 Bottles/Hr</b>	<b>150 Bottles/Hr</b>
Max Blow Height	mm	350 mm	340 mm	340	490 mm
Cavity	No's	2 Moulds	1 Mould		1 Mould
Working Pressure	Bar/kg	8 Bar/kg	8 Bar/kg	8 Bar/kg	8 Bar/kg
Blowing Pressure	Bar/kg	25 Bar/kg	25 Bar/kg	25 Bar/kg	25 Bar/kg
Heater Power	KW	12 KW	12 KW	18 KW	36 KW
Clamping Stroke	mm	140/150 mm	240/250 mm	240/250 mm	390/400 mm
Mould Platen Size	mm	440x340x35	400x400x40	400x400x40	500x450x50
Tie Bar Distance	mm	330 mm	330 mm	330 mm	350 mm
Max Mould Thickness	mm	50 mm	225 mm	225 mm	360 mm
Min Mould Thickness	mm	140 mm	215 mm	215 mm	350 mm
Clamping Force	Ton	8 Ton	8 Ton	15 Ton	15 Ton
Cavity Center Distance	mm	150 mm	-----	-----	-----
Chiller	Ton	1	1	1.5	2
Compressor High Pressure	HP	20	20	20	20
Blow Machine Weight	kg	980	1300	1300	--
Machine Dimension(LxWxH)	Inches	62"x24"x84"	87"x24"x84"	87"x24"x84"	96"x25"x50"
Heating Conveyor (LxWxH)	Inches	51"x22"x53"	51"x32"x54"	51"x38"x53"	65"x46"x54"

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