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Global Presence

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For Website



For PDF Brochure

Sumitek Prasada Machinery Private Limited

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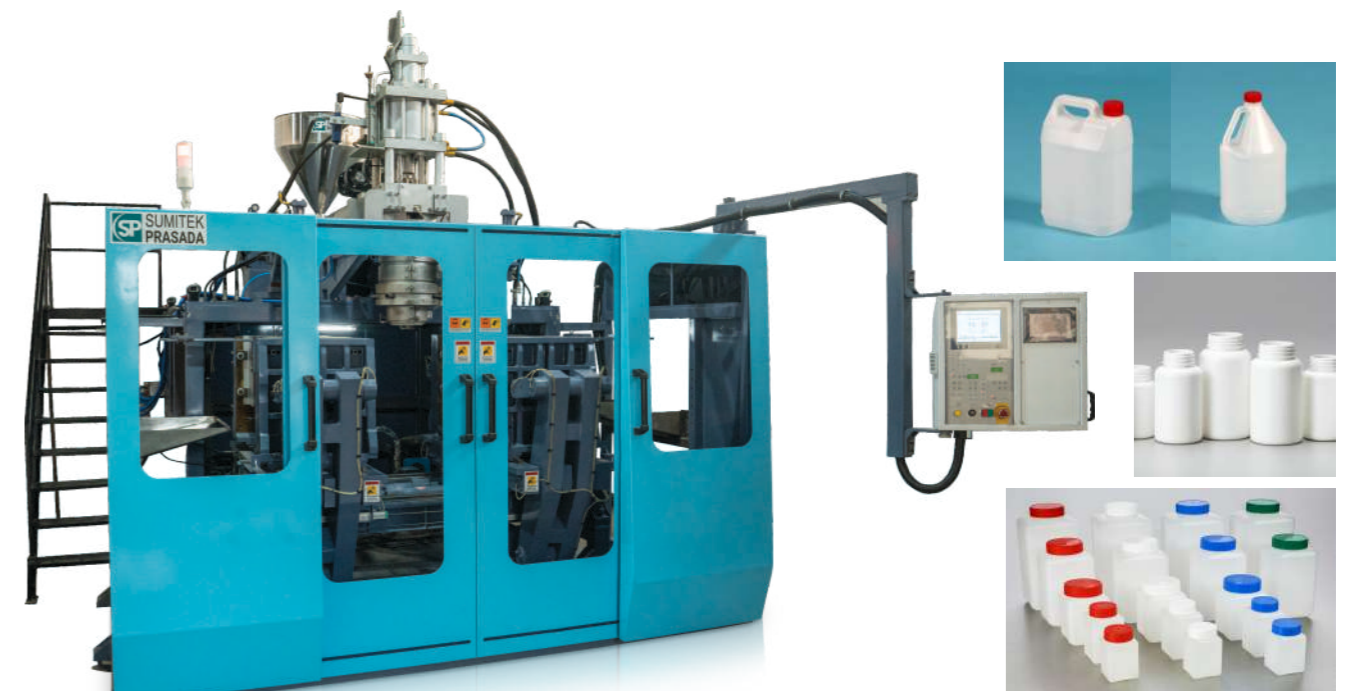
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extrusion
Blow Molding
 Machine Professional
 Manufacturer

250ML - 250LT

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





Shape
Business
Through Moulding

ABOUT US

SUMITEK PRASADA is located in Gujarat(INDIA). Which is the birthplace of blow molding machine in GUJARAT. Our core technologies include multi-layer co-extrusion, double-color co-extrusion, high-speed automation, axial and radial parison control, servo energy saving, large-scale product blow molding, special-shaped product blow molding and so on.

We work as a strong team and keep offering total project solutions to our plastic products manufacturers.

Company's extrusion blow molding machine quality is good and reliable. With continuous research and development, we are able to innovate new technologies on-customized machine models for customers' demanding requirements.

Our company currently has more than 30 models extrusion blow molding machine in five series for customers to choose, SIGMA-S, SIGMA-D, ACCU-S, SERVO SHINE, L RING SERIES

VISION

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



OUR FOCUS

- *Customer's Satisfaction
- *Quality Products



Blow Molding Machine extrusion

SERIES MACHINES ARE SUITABLE FOR A WIDE VARIETY OF APPLICATIONS

APPLICATIONS

PHARMA		
CONSUMER PACKAGING		
CHEMICAL		
INDUSTRIAL PRODUCT		
FOOD & BEVERAGES		
TOYS		
AUTOMOBILE		

Blow Moulding Machine
250 - 5000 ML



MACHINE CAPACITY		250	500	1000	3000	5000
EXTRUDER	UNIT					
SCREW DIAMETER	mm	32	40	45	50	65
LENGTH DIAMETER RATIO	l/d	23	23	23	24	24
MAXIMUM PLASTICIZING CAPACITY	kg / hr	10 TO 12	15 TO 17	20 TO 25	45 TO 50	65 TO 68
EXTRUDER MOTOR	kw	2.0	3.7	5.5	7.5	11.0
HEATING LOAD	kw	4.0	6.5	10.0	15	18.0
MAXIMUM SCREW SPEED	rpm	60	60	60	60	60
CLAMP UNIT						
MAX DAY LIGHT	mm	200	300	355	465	510
MINIMUM MOULD THICKNESS	mm	100	140	140	160	170
MAXIMUM MOLD SIZE- (W X H)	mm	130 x 200	150 x 250	220x330	310x350	350 X 450
MOULD CLAMPING FORCE	tone	1	1.5	2.5	5	8
HYDRAULIC SYSTEM						
HYDRAULIC DRIVE MOTOR	kw	1.5	2.0	3.7	3.7	5.5
OIL TANK CAPACITY	ltr	90	150	150	190	240
TOTAL POWER	kw / hp	7.5 / 10	9.2 / 12	19.2 / 26	26.2 / 35	34.5 / 47
MACHINE INSTALLATION						
MACHINE DIMENSIONS (L X W X H)	feet	4 x 4 x 3	5 x 5 x 6	8.5 x 5.5 x 7	11 x 7 x 8	11.7 x 7 x 8.5
MACHINE WEIGHT (APPROX.)	tons	1.0	2.5	3.2	3.5	4.5

Blow Moulding Machine
250 - 5000 ML



MACHINE CAPACITY		250D	500D	1000D	3000D	5000D
EXTRUDER	UNIT					
SCREW DIAMETER	mm	40	50	55	65	80
LENGTH DIAMETER RATIO	l/d	23	23	23	23	24
MAXIMUM PLASTICIZING CAPACITY	kg / hr	15 TO 17	40 TO 45	45 TO 48	60 TO 65	85 TO 90
EXTRUDER MOTOR	kw	3.7	7.5	7.5	11	22
HEATING LOAD	kw	7	8	10	12	20
MAXIMUM SCREW SPEED	rpm	50	50	50	50	50
CLAMPING UNIT						
MAX DAY LIGHT	mm	200	300	355	460	510
MINIMUM MOULD THICKNESS	mm	100	140	140	160	170
MAXIMUM MOLD SIZE- (W X H)	mm	130 x 200	150 x 250	220x330	310x350	350 X 450
MOULD CLAMPING FORCE	tone	1	1.5	2.5	5	8
HYDRAULIC SYSTEM						
HYDRAULIC DRIVE MOTOR	kw	2	3.7	3.7	5.5	7.5
OIL TANK CAPACITY	ltr	160	200	200	250	300
TOTAL POWER	kw / hp	12.7 / 18	19 / 26	21 / 29	28 / 38	50 / 67
MACHINE INSTALLATION						
MACHINE DIMENSIONS (L X W X H)	feet	6 x 6 x 3	8 x 6 x 6	9 x 7 x 7	11 x 8 x 8	12 x 8 x 8.5
MACHINE WEIGHT (APPROX.)	tons	2.1	3	3.5	4.5	5.5



APPLICATION

- Lubricants
- Agriculture
- Edible Oil
- House Holds
- Irrigation Solution
- Pharma
- FMCG
- Cosmetic

SPECIAL FEATURES

- High production speed & excellent reliability
- Optimised vibration & noise
- Auto Lubrication System
- Optimised energy consumption

OPTIONAL FEATURE

Multi Head | Multi Layer
Multi Colour | In Mould Labeling



APPLICATION

- Agriculture
- Irrigation Solution
- Pharma
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OPTIONAL FEATURE

Multi Head | Multi Layer
Multi Colour | In Mould Labeling

Blow Moulding Machine
10 - 100 LT



MACHINE CAPACITY		10 LT	20 LT	30 LT	60 LT	100 LT
EXTRUDER						
SCREW DIAMETER	mm	70	80	80	90	100
LENGTH DIAMETER RATIO	l/d	24	23	24	24	24
MAXIMUM PLASTICIZING CAPACITY	kg/hr	70 - 75	80-85	85-90	90 - 100	105 - 115
EXTRUDER MOTOR	hp	15	25	30	40	50
MAXIMUM SCREW SPEED	rpm	50	50	50	50	50
ACCUMULATOR HEAD						
ACCUMULATOR CAPACITY	kg	1.5	3	5	5	7.5
HEATING LOAD	kw	12.0	15	18	20	23
HYDRAULIC SYSTEM						
HYDRAULIC DRIVE MOTOR	hp	7.5	10	20	25	30
OIL TANK CAPACITY	ltr	225	325	400	400	760
TOTAL POWER	hp / kw	46 / 35	69 / 51	87 / 65	114 / 85	140 / 105
MOULD CLAMPING UNIT						
MAXIMUM OPENING	mm	660	870	1000	1120	1320
MINIMUM OPENING	mm	150	250	300	355	450
MAXIMUM MOULD SIZE	w x h mm	360 x 510	600 x 570	650x 650	825x825	830x 1110
MOULD CLAMPING FORCE	ton	9	16	25	25	45
HYDRAULIC SYSTEM						
HYDRAULIC DRIVE MOTOR	hp	7.5	10	20	25	30
OIL TANK CAPACITY	ltr	225	325	400	400	760
TOTAL POWER	hp / kw	52 / 38.8	76 / 57	98.5 / 73.5	124.5 / 93.0	152.0 / 113.4
MACHINE INSTALLATION						
MACHINE DIMENSIONS (L X WX H)	feet	15 x 7.5 x	16 x 8x 12	18 x 9 x 15	23 x 10 x 14	24 x 12 X 14
MACHINE WEIGHT (APPROX.)	tons	12	12	13	15	27



APPLICATION

- Toy
- Industrial Drum
- Ice Cooler
- Chemicals
- Pharma
- Edible oil packing
- Water Drum
- Lubricants

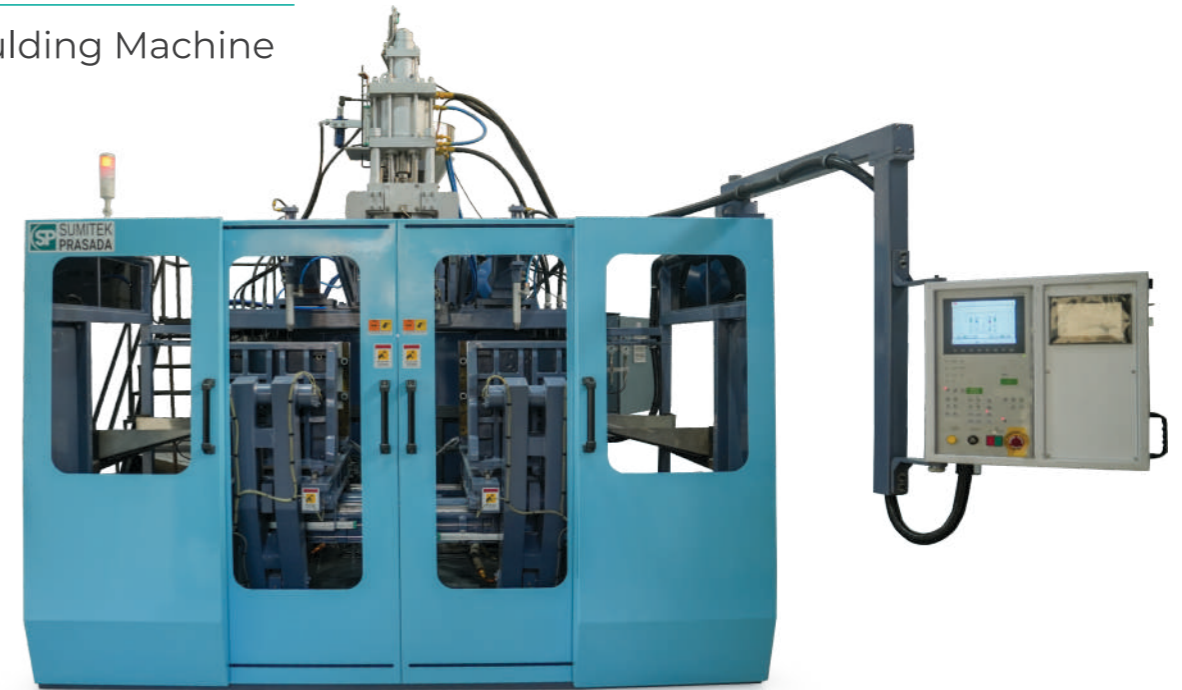
SPECIAL FEATURES

- Reliable & Versatile machines for high speed quality production
- Ac Variable Drive for power saving

OPTIONAL FEATURE

Leak Testing System | Pre Sealing
Servo Hydraulic | Angular Blowing 45°
Pre Blowing | In Mould Labeling

Blow Moulding Machine
10 - 30 LT



MACHINE CAPACITY		10 LT	20 LT	30 LT
EXTRUDER				
SCREW DIAMETER	mm	70	80	90
LENGTH DIAMETER RATIO	l/d	28	28	28
MAXIMUM PLASTICIZING CAPACITY	kg/hr	120-150	150-160	190-200
EXTRUDER MOTOR	hp	40	60	30
MAXIMUM SCREW SPEED	rpm	60	60	50
ACCUMULATOR HEAD				
ACCUMULATOR CAPACITY	kg	1.5	3	5
HEATING LOAD	kw	12.0	15	18
HYDRAULIC SYSTEM				
HYDRAULIC DRIVE MOTOR	hp	15	15	20
OIL TANK CAPACITY	ltr	325	325	400
TOTAL POWER	hp / kw	46 / 35	69 / 51	87 / 65
MOULD CLAMPING UNIT				
MAXIMUM OPENING	mm	910	950	1000
MINIMUM OPENING	mm	180	380	300
MAXIMUM MOULD SIZE	w x h mm	510 x 510	600 x 600	650x 650
MOULD CLAMPING FORCE	ton	16	16	26
HYDRAULIC SYSTEM				
HYDRAULIC DRIVE MOTOR	hp	3	3	5
OIL TANK CAPACITY	ltr	70	70	70
MACHINE INSTALLATION				
MACHINE DIMENSIONS (L X WX H)	feet	15 x 7.5 x 12	16 x 8x 12	18 x 9 x 15
MACHINE WEIGHT (APPROX.)	tons	12	12	13



APPLICATION

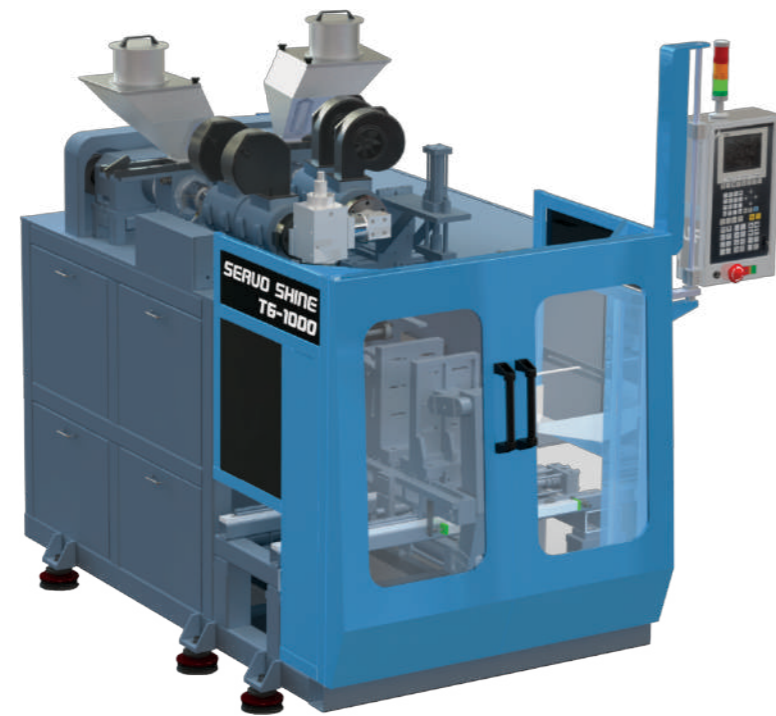
- Toy
- Industrial Drum
- Ice Cooler
- Chemicals
- Pharma
- Edible oil packing
- Water Drum
- Lubricants

SPECIAL FEATURES

- Reliable & Versatile machines for high speed quality production
- Ac Variable Drive for power saving

OPTIONAL FEATURE

Leak Testing System | Pre Sealing
Servo Hydraulic | Angular Blowing 45°
Pre Blowing | In Mould Labeling



MACHINE CAPACITY	TG-1000	TG-3000	TG-5000
CLAMPING			
CLAMPING FORCE KN	30	90	150
PLATEN OPENING STROKES MM	120-350	180-480	220-620
TOGGLE STROKE MM	230	300	400
MAX MOULD SIZE (W×H) MM	360×300	430×370	520×460
EXTRUDER UNIT			
SCREW DIAMETER MM	55	65	80
SCREW L/D RATIO	24	24	24
(HDPE) PLASTICIZING CAPACITY KG/H	50/55	65/70	100/105
SCREW HEATING POWER KW	10	12	15
FAN POWER KW	0.28	0.28	0.28
EXTRUDER DRIVING POWER KW	15	22	30
ENERGY CONSUMPTION			
POWER OF THE ELECTRIC MOTOR KW	7.5	9.5	15
TOTAL POWER OF MACHINE KW	37	50	71
AVERAGE ENERGY CONSUMPTION KW	18	24	35
MULTICAVIDITY			
NO OF HEAD X LTR CAPACITY	1 Head x 1 Ltr	1 H x 3 Ltr	1 Head x 5Ltr
MATERIAL	HDPE	HDPE	HDPE
MACHINE DIMENSION(L×W×H) MTR	2.5 X 2 X 2.3	3.5 x 2 x 2.5	4 X 2.5 X 3
TOTAL WEIGHT TON	3.5	5.5	8.2
DOUBLE HEAD	2 Head x 0.5 L CD = 120 MM	2 H x 1 L CD = 150 MM	CD 2 H x 2L CD = 175 MM
TRIPLE HEAD	3 Head x 0.25 L CD = 85 MM	3 H x 0.500 L CD = 110 MM	3 H x 1 L CD = 135 MM

APPLICATION

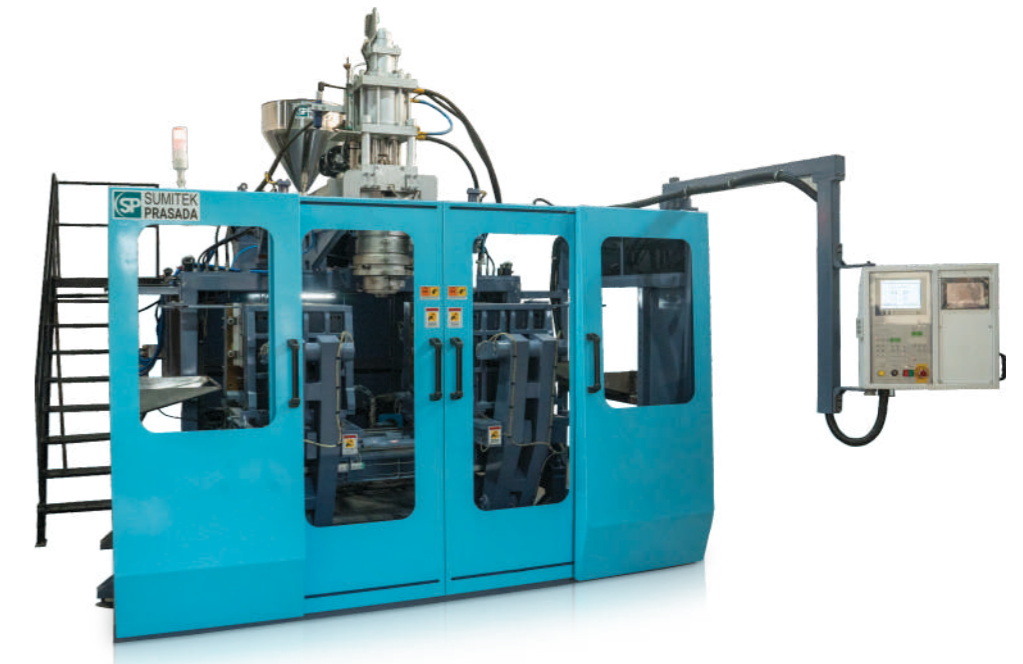
- Edible oil
- House Hold
- Pharma
- FMCG
- Cosmetics
- Food Packing
- Pesticide
- Lubricants

OPTIONAL FEATURE

- Bi-metallic screw barrel
- Multi Head
- Angular Blowing
- Close Loop System
- In mould Labeling

SPECIAL FEATURES

- Linear transducer for machine position accuracy
- Auto Lubrication with safety feature
- Adjustable Die-Head
- Water cooled modular blow pin
- FRL (Filter Regulator Lubricator) for Pneumatic
- Servo Hydraulic for better Control
- THKLM Rain for batter Performance
- Toggle Arm Locking
- European type Safety Guard



MACHINE CAPACITY	TG-1000 D	TG-3000 D	TG-5000 D	TG-10,000 D	TG-20,000 D
CLAMPING					
CLAMPING FORCE KN	30	90	150	160	160
PLATEN OPENING STROKES MM	120-350	180-480	220-620	300-910	380-950
TOGGLE STROKE MM	230	300	400	610	570
MAX MOULD SIZE (W×H) MM	360×300	430×370	520×460	510×510	600×600
EXTRUDER UNIT					
SCREW DIAMETER MM	65	80	80	70	80
SCREW L/D RATIO	24	24	24	28	28
(HDPE) PLASTICIZING CAPACITY KG/H	60/65	100/105	100/105	110/120	150/160
SCREW HEATING POWER KW	10	12	15	12	15
FAN POWER KW	0.28	0.28	0.28	0.28	0.28
EXTRUDER DRIVING POWER KW	15	22	22	30	30
ENERGY CONSUMPTION					
TOTAL POWER OF MACHINE KW	25	39	42	70	90
AVERAGE ENERGY CONSUMPTION KW	13	20	22	40	50
MULTICAVIDITY					
NO OF HEAD X LTR CAPACITY	1 Head x 1 Ltr	1 H x 3 Ltr	1 Head x 5Ltr	1 Head x 10 Ltr	1 Head x 20 Ltr
MATERIAL	HDPE	HDPE	HDPE	HDPE	HDPE
MACHINE DIMENSION(L×W×H) MTR	3.3 X 2 X 2.3	3.5 x 2 x 2.5	4 X 2.5 X 3	4 X 2.8 X 3.2	4.5 X 3.3 X 3.3
TOTAL WEIGHT TON	3.5	5.5	8.2	10	12
DOUBLE HEAD	2Headx0.5L CD=120MM	2Headx1L CD=150MM	2Headx2L CD=175MM	1Headx3L CD=200MM	1Headx5L CD=270MM
TRIPLE HEAD	3Headx0.25 L CD=85MM	3Headx0.5L CD=110MM	3Headx1L CD=135MM	4Headx1L CD=140MM	3Headx3L CD=200MM

APPLICATION

- Automobile
- Engineering product
- House hold
- Gardening
- Lubrication
- Chemical

OPTIONAL FEATURE

- Bi-metallic screw barrel
- Multi Head
- Angular Blowing
- Close Loop System
- In mould Labeling

SPECIAL FEATURES

- Linear transducer for machine position accuracy
- Auto Lubrication with safety feature
- Adjustable Die-Head
- Water cooled modular blow pin
- FRL (Filter Regulator Lubricator) for Pneumatic
- Servo Hydraulic for better Control
- THKLM Rain for batter Performance
- Toggle Arm Locking
- European type Safety Guard

Blow Moulding Machine 210 LT

APPLICATION

- Lubricants
- Chemicals
- Agriculture
- Starch
- Sugar
- Oil
- Liquor

OPTIONAL FEATURE

- Servo Hydraulic
- Parision Control System

SPECIAL FEATURES

- Improved sealing arrangement - 100% leak proof surpassing test like drop test & stack test internationally accepted design
- XM-HM-HDPE raw materialgrade for stronger resilient blow molded industrial barrel

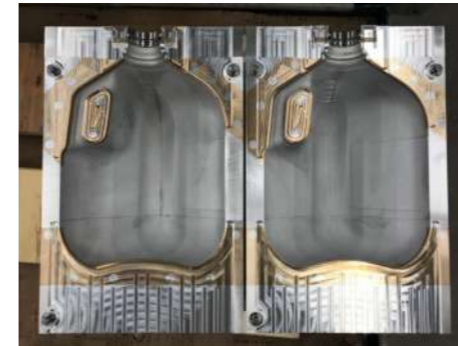


MACHINE CAPACITY		210 L	SHINE 210-L
EXTRUDER			
SCREW DIAMETER	mm	100 GB	120 GB
LENGTH DIAMETER RATIO	l/d	26	30
MAXIMUM PLASTICIZING CAPACITY	kg/hr	250 - 280	380 - 400
EXTRUDER MOTOR (VARIABLE)	hp	100	150
HEATING LOAD	kw	30	40
MAXIMUM SCREW SPEED	rpm	60	60
ACCUMULATOR HEAD			
ACCUMULATOR CAPACITY	kg	14	14
HEATING LOAD	kw	36	36
PARISON CONTROL CYLINDER	dia	10"	10"
DIE CORE SIZE (MIN. /MAX.)	mm	160 / 300	160/300
MOULD CLAMPING UNIT			
MAXIMUM OPENING	mm	1650	1650
MINIMUM OPENING	mm	786	786
MAXIMUM MOULD SIZE (W X H)	mm	1200 x 1675	1200 x 1675
MOULD CLAMPING FORCE	tone	90	90
HYDRAULIC SYSTEM			
BLOWING UNIT MOTOR	hp	10	10
HYDRAULIC UNIT MOTOR	hp	50	50
PARISON POWERPACK MOTOR	hp	10	10
STRETCHING POWERPACK MOTOR	hp	10	10
OIL TANK CAPACITY	ltr	800	800
PARISON POWERPACK OIL TANK CAPACITY	ltr	150	150
STRETCHING POWERPACK OIL TANK CAPACITY	ltr	150	150
PRODUCTION RATE	no/hr	24 to 25 pcs- 8.2kg	25 to 28 pcs- 8.2kg
TOTAL POWER	hp / kw	276.0 / 206.0	340.0/254.0
MACHINE INSTALLATION			
MACHINE DIMENSIONS (L X W X H)	feet	30 x 12 x 22	30 x 13.5 x 22
PANEL DIMENSIONS (L X W X H)	inch	65 x 25 x 80	65 x 25 x 80
MACHINE WEIGHT (APPROX.)	tons	32	33



ANCILLARIES FOR BLOW MOULDING

We can also offer you the complete turnkey project for manufacturing Blow Moulded applications.



Blow Mould for Blow Moulding
MATERIAL USED FOR MOULD
OHNS
Alumac+BeCu
P20 | SS 410 | MS

WATER CHILLER



PLASTIC VOLUMETRIC DOSER



AIR COMPRESSOR



COLLING TOWER

