

Single Station Continuous Parison Blow-Moulding Machine with or without Deflusing



'JM' SERIES

Single Station continuous Parison
Blow-Moulding Machine
100 ml. To 5000 ml.

- SINGLE & MULTIPLE HEADS
- LOWER OPERATIONAL COST
- WIDE RANGE OF MACHINES
- SUITABLE FOR MASS PRODUCTION WIDER PRODUCTION
- CAPABILITIES WITH COMPLETE PLC CONTROL PROGRAMME

These are continuous type machines with hydraulic clamping and shooting unit. Extruder output is controlled by AC Variable Speed Drives. The compact size of the machine is an advantage for the small units. Suited for the production of pharmaceutical & cosmetic bottles and containers for paint, milk, gum, ink, motor/engine oil etc. Available in single and double station configurations with single and multiple die heads for optimum production of wide range of containers.

Our goal and commitment is to help customers achieve the highest efficiency and productivity in order to manufacture containers at lowest possible cost.

All our efforts, whether related to company operational functions or equipment design enhancement, are geared towards this commitment.

Our strength is the adoption of innovative technical solutions that provide useful benefits to customers.

Capacity	ML	200	500	1000	3000	5000
Screw Diameter	mm	35	40	45	50	65
Plasticizing Capacity	Kg/hr	8 To 10	12 To 15	15 To 20	25 To 28	45 To 50
Maximum Opening	mm	250	300	355	460	510
Minimum Opening	mm	125	150	150	150	150
Max. Mould Size (W X H)	mm	125 x 175	150 x 250	220 x 320	300 x 350	350 x 450
Extruder Motor	hp	3	5	7.5	10	12.5
Hyd Motor	hp	3 (OPT)	5	5	7.5	10
Heating	KW	4	6	8	10	13
Total Power	kw / hp	7 / 9	14 / 19	18 / 24	24 / 32	37 / 49

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Capacity	ML	200 / D	500 / D	1000 / D	3000 / D	5000 / D
Screw Diameter	mm	40	50	55	65	90
Plasticizing Capacity	Kg/hr	12 To 15	25 To 28	30 To 35	45 To 50	90 To 100
Maximum Opening	mm	250	300	355	460	510
Minimum Opening	mm	125	150	150	150	150
Max. Mould Size (W X H)	mm	125 x 175	150 x 250	220 x 320	300 x 350	350 x 450
Extruder Motor	hp	5	10	10	12.5	30
Hyd Motor	hp	3 (OPT)	5	7.5	10	15
Heating	KW	6	9	11	18	25
Total Power	kw / hp	10 / 13	21 / 28	25 / 33	35 / 46	69 / 92

'JMV' Lower Series



**'JMV' LOWER SERIES
ACCUMULATOR
Blow-Moulding Machine
5 ltr., 10 ltr. & 15ltr.**

- LONG DURABILITY
- LOWER OPERATIONAL COST
- VERSATILE BUILT-IN FIFO ACCUMULATOR HEAD
- QUICK TO LEARN & EASY TO OPERATE
- SUITABLE FOR MASS PRODUCTION
- EQUALITY PRODUCTION POSSIBILITIES

Consistent repeatability of Parison thanks to; the state-of- art design of extruders & accumulator heads and precise temperature profile. These are accumulator type machines and suitable for mass production of a variety of quality plastic containers. Besides speciality items like automotive parts-like oil tanks and toy parts-like children's cycle seat and tyre are molded in these machines.

CAPACITY OF MACHINE	LTRS.	5	10	15
Screw Diameter	mm	65	65	65
Plasticizing Capacity	Kg/hr	45 To 50	45 To 50	45 To 50
Accumilator Capacity	Kg	900 gm	1.5	1.5
Max. Daylight Opening	mm	510	660	760
Min. Daylight Opening	mm	150	150	250
Max. Mould Size (W X H)	mm	--	380 x 510	500 x 500
Screw Ddrive Motor	HP	12.5	12.5	12.5
Hyd. Drive Motor	HP	7.5	7.5	7.5
Heating Load	KW	15	17	17
Total Connected Load	KW/HP	29.8/40.2	36/48	36/48

'JMV' Medium Series



'JMV' MEDIUM SERIES

ACCUMULATOR
Blow-Moulding Machine
20 ltr., 30 ltr. & 60ltr.

- LONG DURABILITY
- LOWER OPERATIONAL COST
- VERSATILE BUILT-IN FIFO ACCUMULATOR HEAD
- QUICK TO LEARN & EASY TO OPERATE SUITABLE FOR MASS PRODUCTION
- CONTINUOUS PRODUCTION POSSIBILITIES

These accumulator type machines are suitable for a wide range of containers like heavy duty drums, and cans for industrial packaging, square and round jars for edible oil packaging, automobile items etc. Consumes lower power for conversion, require minimum space and the simple operating procedure make them really versatile.

CAPACITY OF MACHINE	LTRS.	20	20 Modified	30	60
Screw Diameter	MM	70	80	80	90
Plasticizing Capacity	Kg/hr	60 To 65	80 To 90	80 To 90	90 To 110
Accumulator Capacity	KG	3	3	5	5
Max. Daylight Opening	mm	860	860	980	1115
Min. Daylight Opening	mm	250	250	355	355
Max. Mould Size (W X H)	mm	610 x 555	610 x 560	660 x 660	760 x 760
Screw Drive Motor Ac	HP	15	25	25	30
Hyd. Drive Motor	HP	10	25	20	25
Heating Load	KW	22	24	27.5	30
Total Connected Load	KW/HP	41 / 55	52 / 70	61 / 82	71 / 95

'JMV' Higher Series



'JMV' HIGHER SERIES
ACCUMULATOR
Blow-Moulding Machine
100 ltr., 210 ltr., 500ltr & 1000 ltr.

- LONG DURABILITY
- LOWER OPERATIONAL COST
- VERSATILE BUILT IN FIFO ACCUMULATOR HEAD
- QUICK TO LEARN & EASY TO OPERATE SUITABLE FOR MASS PRODUCTION
- 200 LITRE MACHINE SUITABLE FOR 'L' RING DRUMS
- BUILT-IN MULTI-POINT PARISON PROGRAMMER

These are suitable for economical production of different Drums, Carboys, Liners for Tin Containers, petrol tanks IBC's and other technical items. The 210 litre machine is a proven one of producing 210 liter 'L' Ring Barrels from HMHDPE, Motorised 'up & down' and 'to & fro' movements of the clamping unit make it suitable for a wide range of article moulds, Multi-Point Parison control system (optional in 100ltr.) incorporated in the machine gives the cutting edge for quality products.

Jagmohan offers custom made blow moulding machines for the production of 500 and 1000 litre containers. The 1000 litre container with a steel carriage saves transportation charges for the hazardous chemicals. These machines are also suited for manufacturing Hollow Article for amusement parks and water storage and transportation tanks.

CAPACITY OF MACHINE	LTRS.	100	200	210 (Modified)
Screw Diameter	MM	100	100 (Grooved)	120 (Grooved)
Plasticizing Capacity	Kg/hr	120 To 140	250 to 270	375 to 400
Accumilator Capacity	KG	7.5	14	14
L/D Ratio	-	22	28	30
Max. Daylight Opening	mm	1320	1625	1625
Min. Daylight Opening	mm	455	609	761
Max. Mould Size (W X H)	mm	810 X 1115	1220 X 1440	1220 x 1440
Screw Drive Motor Ac	HP	50	125	150
Hyd. Drive Motor	HP	30	50	50
Heating Load	K.W.	41	58	75.5
Total Connected Load	K.W./H.P.	100.0 / 135.0	188 / 250.7	285 / 300.7

'JMD' Series Double Layer



'JMD' HIGHER SERIES

Blow-Moulding Machine

10 ltr. To 210 ltr.

- FIFO CO-AXIAL VERTICAL ACCUMULATOR HEADS
- INDEPENDENT LAYER THICKNESS CONTROL
- OUTER LAYER FROM 50-100% AND INNER LAYER FROM 0-50% OF TOTAL THICKNESS
- PROVEN TECHNOLOGY
- BEST SUITABLE FOR ICE BOX TYPE CONTAINERS

These are double layered machines, which can use different combinations of raw materials. Ideally suited for 75% reprocessed material and 25% virgin material to get superior strength and quality in hazardous chemical packaging and as well as food packaging. The machine has two extruders connected to FIFO Accumulator head and the accumulated material is ejected in the required ratio.

Advantage : Economical due to usage of recycled material Strong containers due to double layer structure. Eco -friendly due to recycled material.

Cost reduction due to less usage of additive materials where the color additives should not directly in contact with material to be packed.

Suitable for ice-box type containers. The inner and outer parts can be moulded in single cycle but with different color combinations.

CAPACITY OF MACHINE	LTRS.	10 Ltr.	20 Ltr.	30 Ltr
Screw Diameter(2 Extruders)	MM	65 / 45	70 / 50	80 / 65
Plasticizing Capacity	Kg/hr	45 to 50 / 15 to 20	60to 65 / 20 to 25	70 To 90 / 45 to 50
Accumilator Capacity	KG	1.5 / 800 GM	3.0 / 1.0	4.0 X 1.5
Max. Daylight Opening	MM	660	860	980
Min. Daylight Opening	mm	150	250	355
Max. Mould Size (W X H)	mm	380 X 510	610 X 555	660 X 660
Screw Drive Motor Ac	K.W.	9.3 / 5.5	11 / 7.5	18.5 / 7.5
Hyd. Drive Motor	KW	5.5 / 3.7	7.5 / 3.7	18.5 / 5.5
Heating Load	KW	30	37	50
Total Connected Load	K.W./H.P.	54 / 72	66.7 / 89	100 / 133.3
CAPACITY OF MACHINE	LTRS.	60 Ltr.	100 Ltr.	200 Ltr.
Screw Diameter(2 Extruders)	MM	90 / 65	100 / 65	100 / 65
Plasticizing Capacity	Kg/hr	90 to 110/45 to 50	120 to 140/40 to 50	250 To 270/60 to 65
Accumilator Capacity	KG	4.5 / 1.5 GM	8.0 / 3.0	14.0 X 5.0
Max. Daylight Opening	MM	1115	1320	1625
Min. Daylight Opening	mm	355	455	609
Max. Mould Size (W X H)	mm	760 X 760	810 X 1115	1220 X 1440
Screw Drive Motor Ac	K.W.	22 / 9.3	37 / 9.3	93 / 11
Hyd. Drive Moto	KW	18.5 / 5.5	22 / 5.5	37 / 7.5
Heating Load	KW	60	65	90
Total Connected Load	K.W./H.P	115.3 / 153.7	139 / 187	238.5 / 318

'D SERIES' Blow Moulding Machine



'D SERIES' Blow Moulding Machine'

High Performance Series Double Station Accumulator type automatic blow moulding Machine.
10 ltr. & 210 ltr.

- Proportional Hydraulics
- Total Machine Control (TMC) : PLC Control with 128 parison programmer from MDDG
- EU standard safety features
- Automatic Gripper
- Motorised Up-Down Movement
- Hydraulic Shooting for Calibrated neck finish
- Automatic Online Weight Adjustment by TMC During Process (Optional)
- Processing Parameters Printout (Optional)
- Extruder with Grooved Barrel
- FIFO Accumulator Head
- Power Saving Hydraulics with Drive & Accumulator
- Automatic Deflashing (Optional)

Specification :		D-15	D-20	D-60	D-100
Capacity	Litrs	5-20	15-30	20-80	50-120
Extruder	mm	70	80	90	100
Plasticizing Capacity	kg/hr	120-140	140-160	180-200	240-260
Accumulator Capacity	kg	1.5	3.0	4.5	7.5
Extruder	Hp	40	60	75	125
Total Connected Load	kw	70	90	125	190
Production	No/hr	180 of 480 gm	130 of 1 kg	80 of 1.8 kg	60 of 4 kg

Innovative Technology



1) 'D Series Double Colour Blow-Moulding Machine

- View Strip for checking packaged liquid level
- Multiple color strips to enhance product aesthetics



In double color blow molding machine there will be two extruders and two materials with different color will be processed. The parison is formed with vertical strips of alternate colors and blown to the required shape. The die head is designed such a way that the number of strips can be changed easily during process. The applications are in the field of fancy items. Toys, Balls, Parts for Toys, View Strip Containers etc

Capacity	ML	200		200 / D		500		500 / D		1000		1000 / D		3000		3000 / D		5000		5000 / D	
Screw Diameter (2 extruders)	mm	30	25	40	30	40	30	50	40	45	30	55	40	50	40	65	50	65	50	90	65
Plastisizing Capacity	Kg/hr	8 - 10	3-4	12- 15	8- 10	12- 15	8- 10	25- 28	12- 15	16- 20	8- 10	30- 35	12- 15	25- 28	12- 15	45- 50	25- 28	45- 50	25- 28	90- 100	45- 50
Maximum Opening	mm	250		250		300		300		355		355		460		460		510		510	
Minimum Opening	mm	125		125		150		150		150		150		150		150		150		150	
Max Mould Size (WXH)	mm	125X175		125X175		150X250		150X250		220X320		220X320		300X350		300X350		350X450		350X450	
Extruder Motor	hp	3	2	5	3	5	3	10	5	7.5	3	10	5	10	5	12.5	7.5	12.5	7.5	30	10
Hyd Motor	hp	3 (OPT)		3 (OPT)		5		5		5		7.5		7.5		10		10		15	
Heating	kW	7		9		9		12		11		15		15		28		28		45	
Total Power	Kw / HP	11 / 15		15 / 20		19 / 25		27 / 36		23 / 31		32 / 43		32 / 43		51 / 68		51 / 68		87 / 116	



2) "TMC - Moog" 128 Point Parison Programmer

- M Power
- Cost-effective
- MOOG advantage in Parison Control Technology for Multiple Machines
- Application: Simultaneous control up to 4 heads of same or different machines of same or different machines of Accumulator type.
- Programming Features: MMI with 16 Functional keys, Numeric Keypad, 32 Manual Function keys, Full VGA (640 x 480 pixel graphic display) 128-point Parison profile with step, line, curvilinear interpolation for continuous and accumulator based machines.
- User-friendly settings for individual heads
- Mold storage up to 50 molds
- PID temperature control for screw barrel with cold start prevention.
- Hour meter and short counter display.



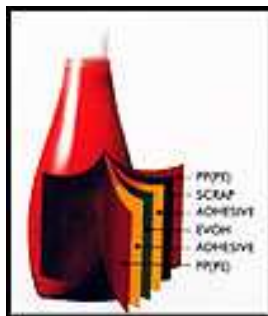
3) Automatic Leak Testing Machine

For Checking Leakages in Containers Enhance Your Product Reliability

- Simple
- Compact
- Economical
- Operator friendly
- Microprocessor controlled
- Pre-settable pressure drop

Jagmohan offers automatic Leak Tester which detects blow holes, wrong cut necks, sheered parting lines etc and make your products 100% reliable. The total unit is micro-processor controlled and easy to use. These leak testers come in three modles :

- JL-1 for Container form 50 ml to 1000 ml capacity and 800 bottles per hour
- JL-5 for containers from 1litre to 5 litre capacity and 600 bottles per hour
- JL-20 for containers from 5 litre to 25 litre capacity and 400 bottles per hour



4) 'M' Series Multi Layer Blow-Moulding Machine

- Upto 6 layers
- Layer combination of your choice
- Barrier layer of Nylon, EVOH etc
- Regrind layer for saving waste material
- Eco-friendly-Re processed material can be sandwiched
- Suitable for Food packaging, Hazardous chemical packaging
- Etc. Improve shelf life for Packaged item.
- Complete solution for Packaging Application