



Blow Moulding

Excellence

Delivering Precision Blow Moulding Machines
for Efficient Plastic Production

COMPANY OVERVIEW

Dhananjay Engineers, established in **2010**, is a trusted manufacturer specializing in customized mechanical components, sheet metal fabrication and precision machining services.

We provide high-quality fabrication jobs for critical industrial equipment including storage tanks, pressure vessels, structural works and industrial assemblies.



OUR MISSION

To deliver reliable blow moulding solutions with advanced technology and consistent product quality.



OUR VISION

To be a trusted manufacturer of innovative blow moulded plastic products.



OUR MOTTO

- Precision
- Quality
- Customer Satisfaction

14+

Years of
Experience

100+

Projects
Completed

25+

Skilled
Professionals

10+

Materials
Worked With

OUR PARTNERS



SINGLE STATION

Blow Moulding Machine

50ML TO 10LTR



	Parameter	Unit	100/H/1	250/H/1	600/H/1	1500/H/1	2000/H/1	3000/H/1	5000/H/1
EXTRUDER	Screw Diameter	MM	25	30	40	45	55	60	65
	L.D. Ratio	L/D	22:1	22:1	22:1	22:1	22:1	22:1	22:1
	Blowing Capacity	ML	100	250	600	1500	2000	3000	5000
	Screw Speed	R.P.M	0-75	0-75	0-75	0-75	0-75	0-75	0-75
	Extruder Output	Kg/Hr.	4-5	7-8	14/16	18/20	30/32	38/40	48/50
	Heating Zones	Nos.	3	5	5	5	5	5	6
	Max. Die Dia	HD	15	25	45	60	90	120	140
	Maximum Die Dia	PVC	-	20	35	40	60	80	-
MOULD	Mould Opening Stroke	MM	100	125	150	185	200	225	300
	Min Mould Thickness	MM	102	130	175	175	205	235	255
	Mould Length	MM	150	200	280	340	350	400	450
	Mould Width	MM	120	140	165	220	250	290	320
	Dry Cycle / Min	Nos.	20	20	15	15	12	12	10
	Max. Container Dia.	MM	40	60	75	125	150	170	200
ELECTRIC	Extruder Drive	HP	2	3	5	7.5	10	15	20
	Hydraulic Motor	HP	-	2	5	5	5	7.5	7.5
	Blower	HP	-	-	1.5	1.5	1.5	1.5	2.5
	Heating Load	KW/HP	3.75 / 5	4.5 / 6	7.5 / 10	9 / 12	10.5 / 14	12 / 16	15 / 20
	Total Power of M/C	KW/HP	5.25 / 7	7.5 / 10	16.5 / 22	18.75 / 25	23.25 / 31	30 / 40	37.5 / 50
	Main Cable Size	Core / MM2	4 / 2.5	4 / 2.5	4 / 6	4 / 6	4 / 10	4 / 16	4 / 25
OPT	Bobbing		-	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.
	Parison Programmer	Thick-Thin	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.	INC.
	Hot Wire Cutter		INC.	INC.	OPT.	OPT.	OPT.	OPT.	OPT.
	Double / Triple Head		OPT.	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.
	Bottom Bowing System		OPT.	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.
	V-Strip / Zebra Line		OPT.	OPT.	OPT.	OPT.	OPT.	OPT.	OPT.
	Hydraulic Blowing		OPT.	OPT.	OPT.	OPT.	INC.	INC.	INC.
	Control Panel Dimension(LxWxH)	FT.	1.7 x 2.3 x 5.3	1.7 x 2.3 x 5.3	1.7 x 2.3 x 5.3	1.7 x 2.3 x 5.3	1.7 x 2.5 x 5.3	1.7 x 2.5 x 5.3	1.7 x 2.5 x 5.3
DIM	Oil Tank Capacity	Ltr.	-	70	110	125	150	180	200
	Water Consumption	Ltr./Min.	20-30	20-30	20-30	30-40	30-40	40-50	60-70
	M/C Dimension(LxWxH)	FT.	6 x 3 x 7	6 x 4 x 8	7 x 5 x 9	8 x 5 x 9	8 x 5 x 9	8 x 5 x 10	11 x 6 x 12
	Machine & Panel Weight	Ton	0.65	0.8	1.4	1.8	2	2.6	4.2
	Air Requirement	C.F.M	8	8	9	10	12	15	15

DOUBLE STATION

Blow Moulding Machine

50ML TO 10LTR



	Parameter	Unit	250/H/2	700/H/2	1500/H/2	2000/H/2	3000/H/2	5000/H/2
EXTRUDER	Screw Diameter	MM	40	45	55	65	75	90
	L.D. Ratio	L/D	22:1	22:1	22:1	22:1	22:1	22:1
	Blowing Capacity	ML	250	600	1500	2000	3000	5000
	Screw Speed	R.P.M	0-75	0-75	0-75	0-75	0-75	0-75
	Extruder Output	Kg/Hr.	14/16	18/20	30/32	48/50	73/75	95/100
	Heating Zones	Nos.	5	5	5	6	7	8
	Max. Die Dia	HD	25	45	68	90	120	140
	Maximum Die Dia	PVC	20	35	50	60	80	-
MOULD	Mould Opening Stroke	MM	125	150	185	200	225	300
	Min Mould Thickness	MM	130	175	175	205	235	255
	Mould Length	MM	200	280	340	350	400	450
	Mould Width	MM	140	165	220	250	290	320
	Dry Cycle / Min	Nos.	20	15	15	10	12	8
	Max. Container Dia.	MM	60	75	125	150	170	200
ELECTRIC	Extruder Drive	HP	5	7.5	10	20	25	50
	Hydraulic Motor	HP	5	5	7.5	7.5	10	10
	Blower	HP	-	1.5	1.5	2.5	2.5	3
	Heating Load	KW/HP	7.5 / 10	9 / 12	10.5 / 14	15 / 20	18.75 / 25	26.25 / 35
	Total Power of M/C	KW/HP	16.5 / 22	18.75 / 25	24.75 / 33	37.5 / 50	46.5 / 62	72.75 / 97
	Main Cable Size	Core / MM2	4 / 6	4 / 6	4 / 10	4 / 16	4 / 35	4 / 50
OPT	Bobbing		OPT.	OPT.	OPT.	OPT.	OPT.	OPT.
	Parison Programmer	Thick-Thin	OPT.	OPT.	OPT.	OPT.	OPT.	INC.
	Hot Wire Cutter		INC.	OPT.	OPT.	OPT.	OPT.	OPT.
	Double / Triple Head		OPT.	OPT.	OPT.	OPT.	OPT.	OPT.
	Bottom Bowing System		OPT.	OPT.	OPT.	OPT.	OPT.	OPT.
	V-Strip / Zebra Line		OPT.	OPT.	OPT.	OPT.	OPT.	OPT.
	Hydraulic Blowing		OPT.	OPT.	OPT.	INC.	INC.	INC.
	Control Panel Dimension(LxWxH)	FT.	1.7 x 2.3 x 5.3	1.7 x 2.3 x 5.3	1.7 x 2.3 x 5.3	1.7 x 2.5 x 5.3	1.7 x 3.3 x 5.3	1.7 x 3.5 x 5.3
DIM	Oil Tank Capacity	Ltr.	125	150	180	240	240	240
	Water Consumption	Ltr./Min.	20-30	20-30	30-40	30-40	40-50	60-70
	M/C Dimension(LxWxH)	FT.	7 x 6 x 8	8 x 6 x 9	9 x 7 x 10	10 x 7 x 11	11 x 8 x 11	13 x 9 x 13
	Machine & Panel Weight	Ton	1.5	2	3	4.5	5.5	6.5
	Air Requirement	C.F.M	9	9	12	15	20	20

AUTO DEFLASHING

Blow Moulding Machine

50ML TO 10LTR



	Parameter	Unit	250/D/H/I	1000/D/H/I	5000/D/H/I
EXTRUDER	Screw Diameter	MM	40	55	65
	L.D. Ratio	L/D	22:1	22:1	22:1
	Blowing Capacity	ML	250	1000	5000
	Screw Speed	R.P.M	0-75	0-75	0-75
	Extruder Output	Kg/Hr.	16/18	30/32	48/50
	Heating Zones	Nos.	5	5	6
	Max. Die Dia	HD	30	60	140
	Maximum Die Dia	PVC	175	300	450
MOULD	Mould Opening Stroke	MM	125	175	250
	Min Mould Thickness	MM	125	178	255
	Mould Length	MM	175	300	430
	Mould Width	MM	200	280	400
	Dry Cycle / Min	Nos.	18	14	-
	Max. Container Dia.	MM	60	125	200
ELECTRIC	Extruder Drive	HP	5	10	20
	Hydraulic Motor	HP	5	7.5	7.5
	Blower	HP	1.5	1.5	2.5
	Heating Load	KW/HP	7.5 / 10	10.5 / 14	15 / 20
	Total Power of M/C	KW/HP	16.5 / 22	24.75 / 33	37.5 / 50
	Main Cable Size	Core / MM2	4 / 6	4 / 10	4 / 25
OPT	Bobbing		INC.	INC.	INC.
	Parison Programmer	Thick-Thin	INC.	INC.	INC.
	Hot Wire Cutter		INC.	INC.	OPT.
	Double / Triple Head		OPT.	OPT.	INC.
	Bottom Bowing System		OPT.	OPT.	OPT.
	V-Strip / Zebra Line		OPT.	OPT.	OPT.
	Hydraulic Blowing		OPT.	OPT.	OPT.
	Control Panel Dimension(LxWxH)	FT.	1.7 x 2.3 x 5.3	1.7 x 2.5 x 5.3	1.7 x 2.6 x 5.3
DIM	Oil Tank Capacity	Ltr.	90	160	270
	Water Consumption	Ltr./Min.	20-30	30-40	60-70
	M/C Dimension(LxWxH)	FT.	7 x 5 x 8	9 x 6 x 11	12 x 7 x 12
	Machine & Panel Weight	Ton	1	2.5	4.5
	Air Requirement	C.F.M	20	17	20

SEMI AUTOMATIC

PET Blow Moulding Machines

50ML TO 5LTR



Machine Specifications

Description	Unit	SP 5000 H	
Mould Clamp		Hydraulic	Hydraulic
Stretching Type		Pneumatic	Pneumatic
No. of Cavity	No	2	1
Production Per Hour	BPH*	800-900	400
Nominal Bottle Volume	ml	1000	2000
Max Bottle Dia	mm	130	200
Max Bottle Height	mm	350	350
Max Neck Dia	mm	60	120

Air Requirement

Description	Unit	SP 5000 H
H.P. Air	CFM	42
Calculated @ 32 bar @ Machine Inlet	CFM	1000 ml Water Bottle @ 800 BPH

Electrical Requirement

Description	Unit	SP 5000 H
Connected Load Without Utility	kW	13

Machine Dimensions

Description	Unit	SP 5000 H
Length	mm	2750
Width	mm	2050
Height	mm	2600
Weight (Approx)	Kg	1600

AREA OF APPLICATION

Agriculture



Lubricant



Food Processing



Pharmaceutical



Cosmetic



Toys



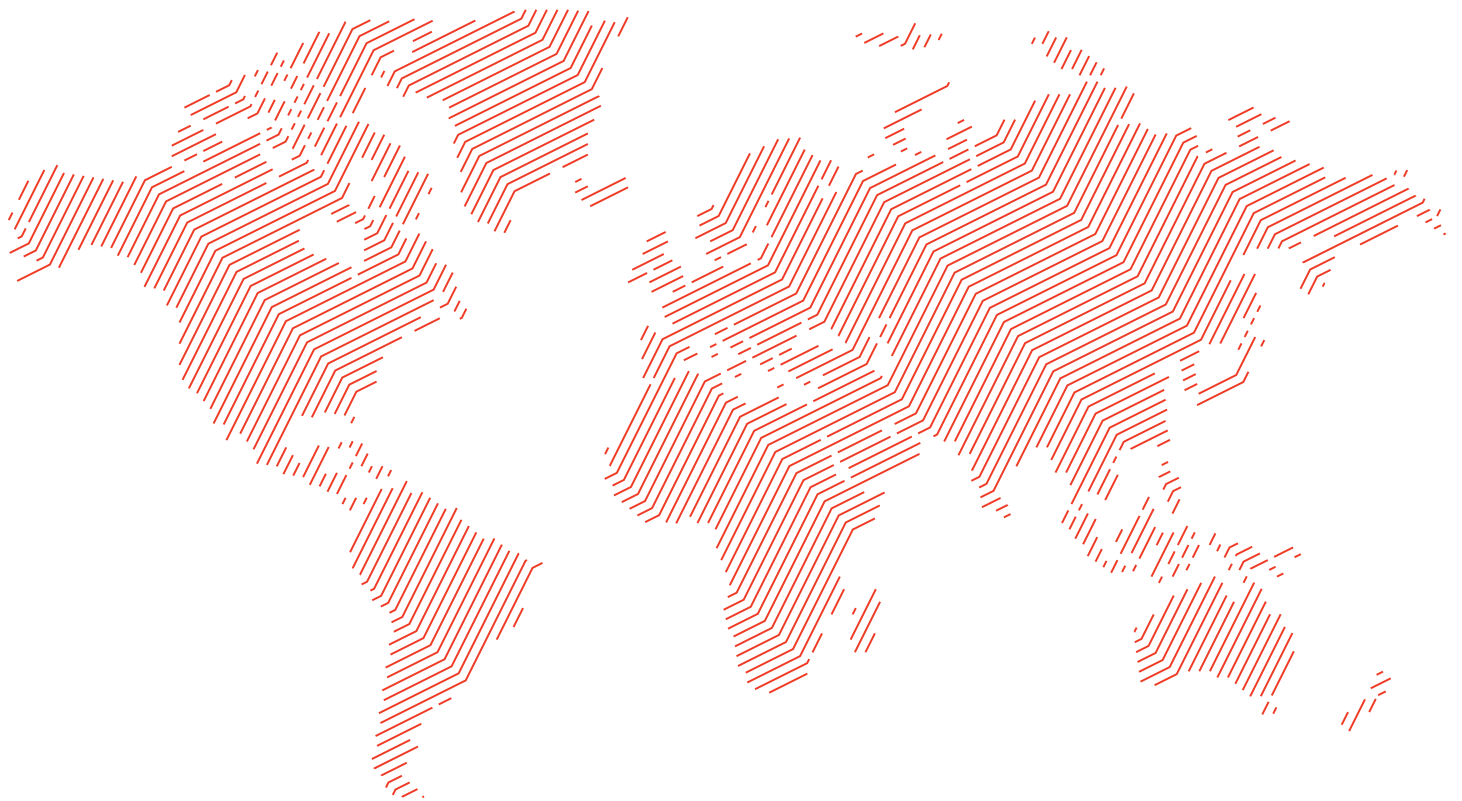
Bottles



WHY CHOOSE US

DHANANJAY ENGINEERS?

- ✓ Precision Blow Moulding Technology
- ✓ High Production Efficiency
- ✓ Durable & Reliable Machines
- ✓ Custom Machine Solutions
- ✓ Energy Efficient Design
- ✓ Strong After-Sales Support



HOW TO REACH US

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