

DURA

...the **icon** of Growth



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An ISO 9001:2008 Company

PROFILE

DURA GROUP is a leading supplier of plastics machinery and products having three main stream companies providing total turnkey solutions in field of plastics. DURA GROUP is an ISO 9001: 2008 company consists of three entities:

■ DURA EXPORTS PVT. LTD.

■ DURA IMPEX

■ DURA PLACEMENTS

The company has highly placed technical professionals who have put in their sustained and dedicated efforts to earn a name in these 15 years in the industry, both in India and overseas.

The company has a strong support base in Africa. Some of the leading plastic processors of Africa have provided strong encouragement and motivation to the company. In a short span DURA GROUP has achieved the revised set targets.

This was achieved through sheer hard work, diligent follow up, right sourcing and crafting a perfect delivery system. With the twin belief in 'Customer Relationship Management' and 'Total Customer Satisfaction', DURA GROUP has rapidly earned the reputation of a reliable and respected export house in India.

DURA GROUP is a multi-locational organization with its head office in Mumbai, the financial capital of India and Overseas office in Dubai, the financial capital of Middle East with the focus being on Africa and the Middle East.

The motto of the group since inception has been “Right sourcing at the right price” The company specializes in sourcing the exact machinery as per the customer's requirement and delivering it at the right price without compromising on the quality or delivery Schedule.

Dura placements is a Recruitment firm of Dura Group specially for Plastic Industry. We provide manpower to organizations right from junior level to senior level positions. Our aim is to provide fast, quality and cost-effective, end-to-end manpower solutions for our clients. We began in 2009 to provide the best staff available to companies in India. We have over four years successfully provided fully integrated staffing solutions to multinational corporations and local conglomerates from plastic industries.

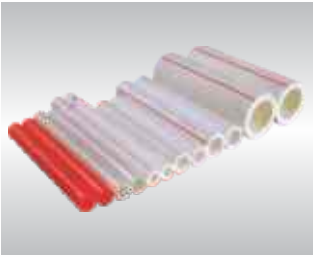
Knowing that India has become an important manufacturing hub in the world. We solely specialize in recruitments for the Plastic Industry and follow the most professional recruitment procedure. We ensure quality services which comes by way of the in-depth domain knowledge that the company has acquired in various segments of the industry.

“Right candidates in the Right position is the key to achieving success”



SINGLE SCREW EXTRUSION LINE (PE / PPR PIPE)

Dura'S single screw extruders are designed with latest technology to achieve higher outputs at lower electrical power consumption. This extruders are suitable for used for producing PE / PPr pipes for drinking water, irrigation, plumbing, casing, conduits etc.



Technical Specification

High-efficiency single screw extruder

Model	Screw diameter	L/D ratio	Motor Power	Designed capacity
Dura-45/33	45	33:1	37	150
Dura-60/33	60		75	300
Dura-75/33	75		132	450
Dura-90/33	90		185	600
Dura-120/33	120		315	1000
Dura-150/33	150		400	1200

Front or Post co-extrusion single screw extruder

Model	Screw diameter	L/D ratio	Motor Power	Designed capacity			Application
				PE/PP	PMMA/ASA	PVC	
Dura-20/25	20	25:1	1.1	2	/	/	Make line
Dura-25/25	25		2.2	4	/	5	
Dura-30/25	30		3	/	/	8	Front/post co-extrusion
Dura-30/25	30		5.5	/	10	15	
Dura-35/25	35		5.5	/	12	15	Front co-extrusion
Dura-35/25	35		7.5	/	15	18	
Dura-45/25	45		7.5	/	18	25	
Dura-50/25	50		11	/	25	35	

Pe Pipe Extrusion Line Downstreams / Post Extrusion Machinery Specification

Down stream model	Pipe diameter range (mm)	Vacuum calibration tank			Spraying cooling tank		Hauler		Cutter
		Vacuum pump	Water pump	Length	Water pump	Tank	Pedrail quantity	Motor	Cutting type
GF-45/33	16- 63	2.2kwx2	2.2kwx2	6000	2.2kwx1	6000mm	2	1.5kwx2	Non-dust cutting
GF-60/33	63- 110	4.0kwx1	3.0kwx1	6000	2.2kwx1	6000mm	2	2.2kwx2	Non-dust cutting
GF-60/33	63- 160	3.0kwx2	4.0kwx2	6000	3.0kwx1	6000mm	3	1.1kwx3	Non-dust cutting
GF-75/33	63- 250	4.0kwx2	5.5kwx2	8000	5.5kwx1	6000mm	4	1.1kwx4	Non-dust cutting
GF-90/33	110- 450	5.5kwx2; 7.5kwx1	7.5kwx2	11000	5.5kwx1	6000mm	6	1.1kwx6	Non-dust cutting
GF-120/33	315- 630	7.5kwx2	7.5kwx2	11000	7.5kwx1	6000mm	6	1.1kwx6	Non-dust cutting
GF-120/33	355- 800	5.5kwx2(1500mm)	5.5kwx2(1500mm)	1500	5.5kwx1	6000mm	8	1.1kwx8	Non-dust cutting
		7.5kwx2(10500mm)	7.5kwx2(10500mm)	10500					
GF-150/33	630- 1200	5.5kwx2(1500mm)	7.5kwx2(1500mm)	1500	7.5kwx1	6000mm	10	1.1kwx10	Non-dust cutting
		5.5kwx4(10500mm)	5.5kwx4(10500mm)	10500					

Specifications and standard equipment are subject to change without notification



CONICAL TWIN SCREW EXTRUDER

Dura Group also offer conical twin screw extruders from 45 mm screw dia to 92 mm screw dia. These twin screw extruders are developed for higher plasticity, wide application and these can be used for both pipes and profiles.

- 1) Optimized design and delicately made screw and barrier results in excellent plasticity.
- 2) Advanced electric control system, subsection failure alert, easily for trouble-shooting.
- 3) High-performance distribution system for torque deceleration enhanced and the durability and easy for maintenance.
- 4) Highly efficient and super noise-free ventilators ensure quietly operating of equipment.
- 5) Perfect and accurate temperature control system ensures steady output.



Extruder series

Conical twin screw extruder

Model	Screw diameter	Motor power	Screw torque	Designed capacity
DURA-45/90	45/90	15	3150	70
DURA-51/105	51/105	15	5500	100
DURA-55/110	55/110	22	7000	150
DURA-65/132	65/132	37	70000	300
DURA-80/156	80/156	55	14000	400
DURA-92/188	92/188	110	32000	750

Extrusion line series

PVC foamed skinning board extrusion line (construction board)

Downstream model	Max. product width	Vacuum calibration unit			Cooling bracket (mm) Length	Hauler (Roller type) Motor	Cutter	
		Water pump	(mm) Width	(mm) Length			Edge slit device motor	Edge slit device motor
YF-1220	1220	4.0kwx1	1500	2250	3500	7.5kwx1	3.0kwx2	5.5x1

PVC pipe extrusion line / Post Extrusion

Downstreams/ POST Extrusion Equipments	Pipe diameter range (mm)	Vacuum calibration tank			Spraying cooling tank		Hauler		Cutter	
		Vacuum pump	Water pump	(mm) Length	Water pump	Tank	Pedrail quantity	Motor	Motor	Cutting type
GF25*4	16- 25	4.0kwx1	1.5kwx1	4500	/	/	2	1.1kwx4	0.25kwx4	Non-dust cutting
GF25*2	16- 63	4.0kwx2	4.0kwx2	5000	/	/	2	1.5kwx4	1.1kwx2	Guillotine cutting
GF-160	50- 160	5.5kwx1	4.0kwx2	6000	/	/	3	1.1kwx3	2.2kwx1	planetary cutting
GF-250	63- 250	5.5kwx1	5.5kwx1	6000	/	/	3	1.1kwx3	2.2kwx1	planetary cutting
GF-400	160- 400	5.5kwx2	5.5kwx2	6000	/	/	4	1.1kwx4	2.2kwx1	planetary cutting
GF-630	315- 630	7.5kwx2	7.5kwx2	6000	7.5kwx1	6000mmx1	6	1.1kwx6	3.0kwx1	planetary cutting
GF-800	500- 800	7.5kwx2	7.5kwx2	6000	7.5kwx1	6000mmx1	8	1.1kwx8	3.0kwx1	planetary cutting

PVC/WPC profile extrusion line / Post Extrusion

PVC wide door panel extrusion line

PVC (PVC & WPC) foamed board & door panel extrusion line

Downstreams/ POST Extrusion Equipments	Max. product width	Vacuum calibration unit			Hauler		Cutter	
		Vacuum pump	Water pump	(mm) Length	Motor	Motor	Cutting type	
YF-240S	240	5.5kwx2	4.0kwx1, 1.5kwx1	4000	1.1kwx2	2.2kwx1	Horizontal Cutter	
YF-240	240	5.5kwx4	4.0kwx1, 2.2kwx1	6000	1.5kwx2	2.2kwx1	Horizontal Cutter	
YF-300	300	5.5kwx4	4.0kwx1, 2.2kwx1	6000	1.5kwx2	2.2kwx1	Horizontal Cutter	
YF-600	600	7.5kwx2; 5.5kwx2	4.0kwx1, 2.2kwx1	6000	2.2kwx2	2.2kwx1	Horizontal Cutter	
YF-1000	1000	11kwx2; 5.5kwx2	4.0kwx1, 2.2kwx1	8000	5.5kwx2	2.2kwx1		
YF-1250	1250	11kwx4	4.0kwx2	8000	5.5kwx2	4.0kwx1		

PVC siding panel extrusion line / Post Extrusion

Downstreams/ POST Extrusion Equipments	Max. product width	Vacuum calibration unit			Hauler		Cutter	
		Vacuum pump	Water pump	(mm) Length	Motor	Motor	Cutting type	
YFS-110	110	4.0kwx1	4.0kwx1	2000	1.1kwx2	2.2kwx2	Guillotine cutting	
YFS-400	400	5.5kwx2	4.0kwx1, 2.2kwx1	4500	1.1kwx2	2.2kwx1	Guillotine cutting	

PVC double-outlet profile extrusion line / Post Extrusion

Downstreams/ POST Extrusion Equipments	Max. product width	Vacuum calibration unit			Double-outlet integrated Hauler & cutter	
		Vacuum pump	Water pump	(mm) Length	Hauler Motor	Hauler Motor
YFS-240*2	240	5.5kwx8	4.0kwx2, 1.5kwx2	11000	1.5kwx4	2.2kwx2

PARALLEL COUNTER ROTATING TWIN SCREW EXTRUDER

PS serials parallel counter rotation twin screw extruder is designed upon the demand of PVC big diameter pipe, PVC sheet, and high speed profile extrusion. The screws are made by high precision special digital screw miller to ensure the identical good quality of every extruding screw. Besides, by adopting the technology of variable screw pitch and depth, the material can be compressed and sheared evenly and softly. Due to the special design of distribution box and imported thrust bearings, the machine can sustain more pressure. Additionally, there is multiple alarm system which makes easy to do the trouble-shooting. Equipped with reliable electronics systems, the machine can work stably and dependably.



Parallel counter rotating twin screw extruder

Model	Screw diameter	L/D ratio	Motor Power	Designed capacity
PS-75/28	75	28:1	45	350
PS-75/28	75	28:1	37	240
PS-90/28	90	28:1	55	350
PS-90/31	90	31:1	75	460
PS-110/28	110	28:1	90	500
PS-110/31	110	31:1	110	680
PS-120/26	120	26:1	110	600
PS-120/31	120	31:1	132	850
PS-130/26	130	26:1	132	680
PS-135/31	135	31:1	160	1100

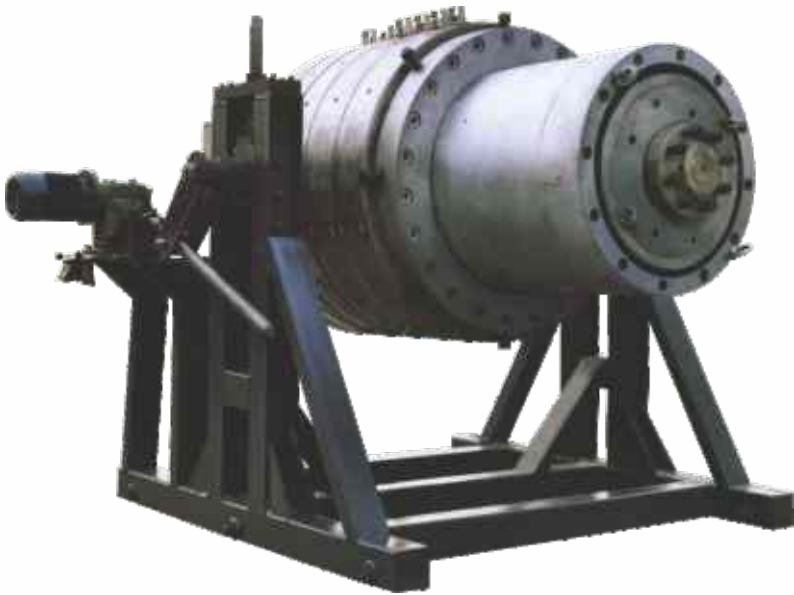
PE/PP 16 – 1600 DIE HEAD

The die head with basket or spiral type structure adopts optimized design to ensure superfine and steady quality of products under low melting temperature, high output and low energy consumption. It easily realizes two color ring extruded by one system.



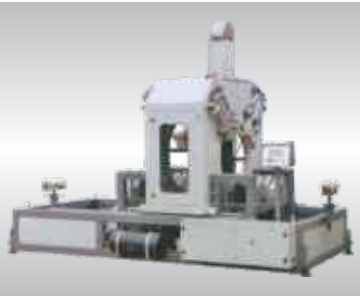
PVC 16 – 800 DIE HEAD

Dura Group offers a wide range of die heads for various sizes. The die design is of spider type. The large range of pipe diameter can be accommodated in single die head.



CUTTING SAWS

DURA cutting saw are available for pipe size from 20 mm to 800 mm. For smaller diameter upto 250 mm cutting saw is of up-stroke type and above 250 mm. It is planetary type. Chamfering in planetary type cutting saw is possible. Suitable for thin as well as thick burr free pipes & PE Pipes upto 1600mm.





VACCUM TANKS

DURA vacuum tanks are energy efficient, with proper cooling efficiency. It has separate circuit for vacuum and water. They are provided with temperature, flow and level controls. Wide range of vacuum calibration sleeves, to provide wide diameter 20 mm to 800 mm for PVC pipes & 20mm to 1600mm for PE Pipes.



DEH – SINGLE SCREW PELLETIZING MACHINE

Application:
for dyeing and / or recycling of clean rigid THERMOPLASTICS, such as ABS, PC, PP, PE, PS, HIPS, PVC, PA, PBT, POM, PET, TPU, TPR, etc...



Main Technical Data

Model	DEH-60	DEH-80	DEH-100
Output (hdpe)	75-100 KG/HR	180-280 KG/HR	320-450 KG/HR
Screw L/Dratio	32-37 : 1	32-37 : 10	32-37 : 1
Extruder	22 KW	55 KW	90 KW
type of die head	Manual/hydraulic	Manual/hydraulic	Manual/hydraulic
Cooling tank power	0.75 KW	0.75 KW	1.1 KW
Cutting machine power	3.7 KW	7.5 KW	7.5 KW
Machinery's total power	50 KW	104 KW	167 KW
Electric cable	16 mm ²	35 mm ²	70 mm ²
Electric cable	3P 80A	3P 125A	3P 200A
Installation size	7.5 2.2 1.8	12 2.5 1.9	14 3 2.2
Machine weight	2244KG	4400KG	5100KG

HAUL OFF

DURA Haul offs from 2 to 10 belts.

Speed:- Wide range of speed available with AC vary drive / servo drive is mainly for accuracy & high range of speed.

Synchronization:- Effective synchronization is provided for Hauloff and extruders.



DEF – STRAND TYPE PELLETIZING MACHINE

Application:
For Recycling Per-Consumer (Factory Waste-Remnants) Lean Soft/Fluffy/Light Plastic, Such As: HDPE, LDPE, LLDPE PLASTIC BAG, PACKAGING FILM, PP FILM, PP RAFIA, ETC...



Main Technical Data

Model	DEF-75	DEF-100	DEF-120
Output (hdpe)	100-150 KG/HR	150-250KG/HR	250-400KG/HR
Screw L/Dratio	30:1	30:1	30:1
Extruder	22KW	55KW	90KW
Regrind chips Extruder	1000KW	1500KG	1500KG
Type of Die Head	Hydraulic	Hydraulic	Hydraulic
Cutting Machine Power	3.7KW	7.5KW	7.5KW
Cooling Tank Power	0.75KW	1.1KW	1.1KW
Crusher Power	15KW	30KW	30KW
Force Hopper Power	1.5KW	1.5KW	1.5KW
Machinery's Total Power	74KW	130KW	165KW
Installation Size	9*18*3.4	11/1.8*3.7	12*1.8*3.8
Machine Weight	3200KG	4800KW	6200KG

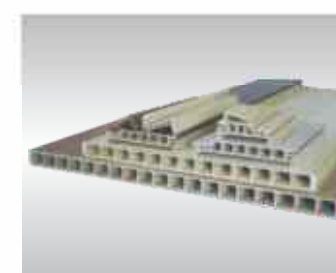
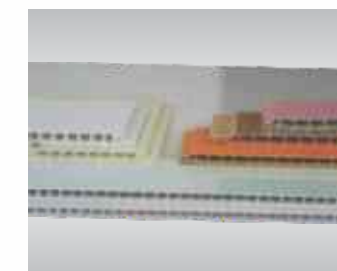
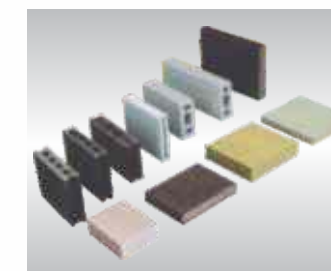
PVC WIDE DOOR

PVC WPC FORMED BOARD

This line applies Dura series of conical twin screw extruder with imported inverter, which provides wide adjusting range and precise temperature control. The downstream equipment includes calibration table, hauler, cutter and stacker.

The calibration table is equipped with strong forced cooling system so that it can provide perfect calibrating effect.

The caterpillar hauler is equipped with precision gear motor and inverter, which possesses reasonable structure, strong and stable hauling force. The cutter is equipped with PLC control system which helps to set length and provide accurate automatic cutting. The stacker is covered with rubber grip blocks to prevent products from damage.





HIGH INTENSITY MIXERS

Features and Function:

DI-Z series Mixer Units are widely used in mixing, drying, colouring all kinds of resin such as PVC, PP, PE. They can also be used in dryness of ABS and polycarbonate.

The unit consists of one hot mixer and one cooling mixer. The materials from hot mixer get into the cooling mixer automatically to be cooled, so remained gas is eliminated, and agglomeration is avoided.

Absorbing advanced technology and PLC control system, we designed DI-Z series Heating / Cooling Mixing Unit, which offers high automatic level, good mixing effect, complete function, compact structure, and perfect appearance. The unit is widely used in mixing, drying and coloring various plastics.



High Speed Heater Cooler Mixer Combination - Vortex Series

Sr. No.	Model	Batch Capacity (Kg/Batch)	Main Drive - HM (kW)	Main Drive - CM (kW)
1	HSM 10 - CM 40	3	2.2/3.7	0.75
2	HSM 50 - CM 150	15	5/7.5	1.5
3	HSM 130 A - CM 400	40	12/15	3.7
4	HSM 130 B - CM 400	40	15/18	3.7
5	HSM 200 R - CM 400	60	26/31	3.7
6	HSM 200 R - CM 600	60	26/31	5
7	HSM 200 - CM 400	65	32/38	3.7
8	HSM 200 - CM 600	65	32/38	5
9	HSM 250 R - CM 600	90	32/38	5
10	HSM 250 - CM 600	90	38/45	5
11	HSM 350 R - CM 1000	120	38/56	7.5
12	HSM 350 - CM 1000	120	46/67	7.5
13	HSM 500 - CM 1500	200	110	11
14	HSM 500 - CM 2000	200	110	15
15	HSM 750 - CM 2000	300	132	18
16	HSM 1000 - CM 2500	400	160	25
17	HSM 1200 - CM 3000	500	200	37.5

- ⊙ Specifications are indicative and as a part of our continuous R & D, we reserve right to change specifications without prior notice.
- ⊙ For customized application the specifications can be altered.
- ⊙ Output depends on type of material, formulations, processing parameters or ambient conditions.

- ◆ HSM - Heater Mixer
- ◆ CM - Cooler Mixer

Master Batch Mixers - MB Series

Sr. No.	Model	Batch Capacity (Kg/Batch)	Main Drive (kW)	Tool Speed (RPM)
1	HSM 50 MB	15	5/7.5	500/1000
2	HSM 130 MB	40	15/18	500/1000
3	HSM 130 MB-H	40	18/21	500/1000
4	HSM 200 MB	65	32/38	500/1000
5	HSM 250 MB	85	38/45	450/900
6	HSM 350 MB	120	75	800
7	HSM 500 MB	200	110	750
8	HSM 750 MB	300	132	600
9	HSM 1000 MB	400	200	600

- ⊙ Specifications are indicative and as a part of our continuous R & D, we reserve right to change specifications without prior notice.
- ⊙ For customized application the specifications can be altered.
- ⊙ Output depends on type of material, formulations, processing parameters or ambient conditions.

GRANULATORS



Model	A-150	A-200	A-300	A-400
Power(HP)	1-2HP	3-5HP	7.5-10HP	10-15HP
Inlet size	150 x 120mm	200 x 240mm	300 x 240mm	400 x 240mm
Rotating diameter	120mm	240mm	240mm	240mm
R.P.M	280/380rpm	280/380rpm	380/420rpm	420rpm
Rotary cutter	3pcs	3pcs	3pcs	6pcs
Stationary cutter	2pcs	2pcs	2pcs	2pcs
Machine weight	150kg	400kg	540kg	650kg
Machine size	680 x 400 x 1300mm	990 x 760 x 1160mm	1400 x 1200 x 1480mm	1670 x 1400 x 1800mm
Capacity	100-150kg/hr	120-220kg/hr	180-280kg/hr	300-400kg/hr
Contens	18kg	18kg	40kg	50kg

Model	A-450	A-500	A-750	A-1000
Power(HP)	20-25HP	30-40HP	50-75HP	60-100HP
Inlet size	450 x 320mm	500 x 350mm	750 x 500mm	1000 x 600mm
Rotating diameter	380mm	380mm	480mm	480mm
R.P.M	560rpm	560rpm	560rpm	560rpm
Rotary cutter	6pcs	6pcs	9pcs	12pcs
Stationary cutter	2pcs	2pcs	2pcs	2pcs
Machine weight	1140kg	1400kg	2600kg	3100kg
Machine size	1850 x 1330 x 1950mm	2180 x 1310 x 2110mm	2700 x 1500 x 2800mm	2800 x 2050 x 2900mm
Capacity	500-1000kg/hr	500-1200kg/hr	900-1600kg/hr	1000-1800kg/hr
Contens	65kg	70kg	80kg	100kg

Model	A-1000B	A-1250	A-1250B
Power(HP)	75-100HP	75-125HP	75-125HP
Inlet size	1000 x 800mm	1250 x 600mm	1250 x 800mm
Rotating diameter	650mm	480mm	650mm
R.P.M	560rpm	560rpm	560rpm
Rotary cutter	12pcs	15pcs	15pcs
Stationary cutter	2pcs	2pcs	2pcs
Machine weight	4350kg	3500kg	4900kg
Machine size	3000 x 2050 x 3200mm	2870 x 2060 x 3010mm	3100 x 2200 x 3200mm
Capacity	1200-2000kg/hr	1500-2500kg/hr	1600-2800kg/hr
Contens	100kg	150kg	150kg



SOCKETING MACHINES

Dura's Fully automatic belling machine is suitable for 'R' Type and 'U' Type & 'J' Type sockets. The belling scope is for 20 mm to 1000 mm pipe dia meter.

DS250

Automatic Belling Machine DS250
(50 – 250mm,R-type and U-type)



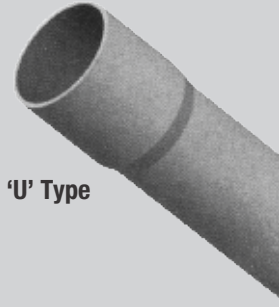
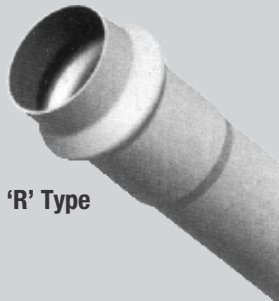
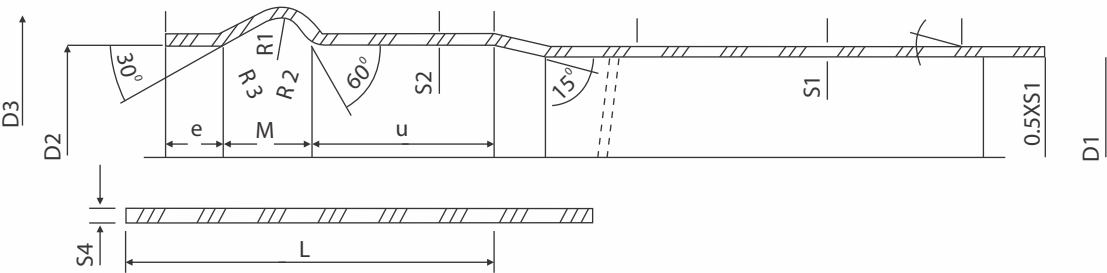
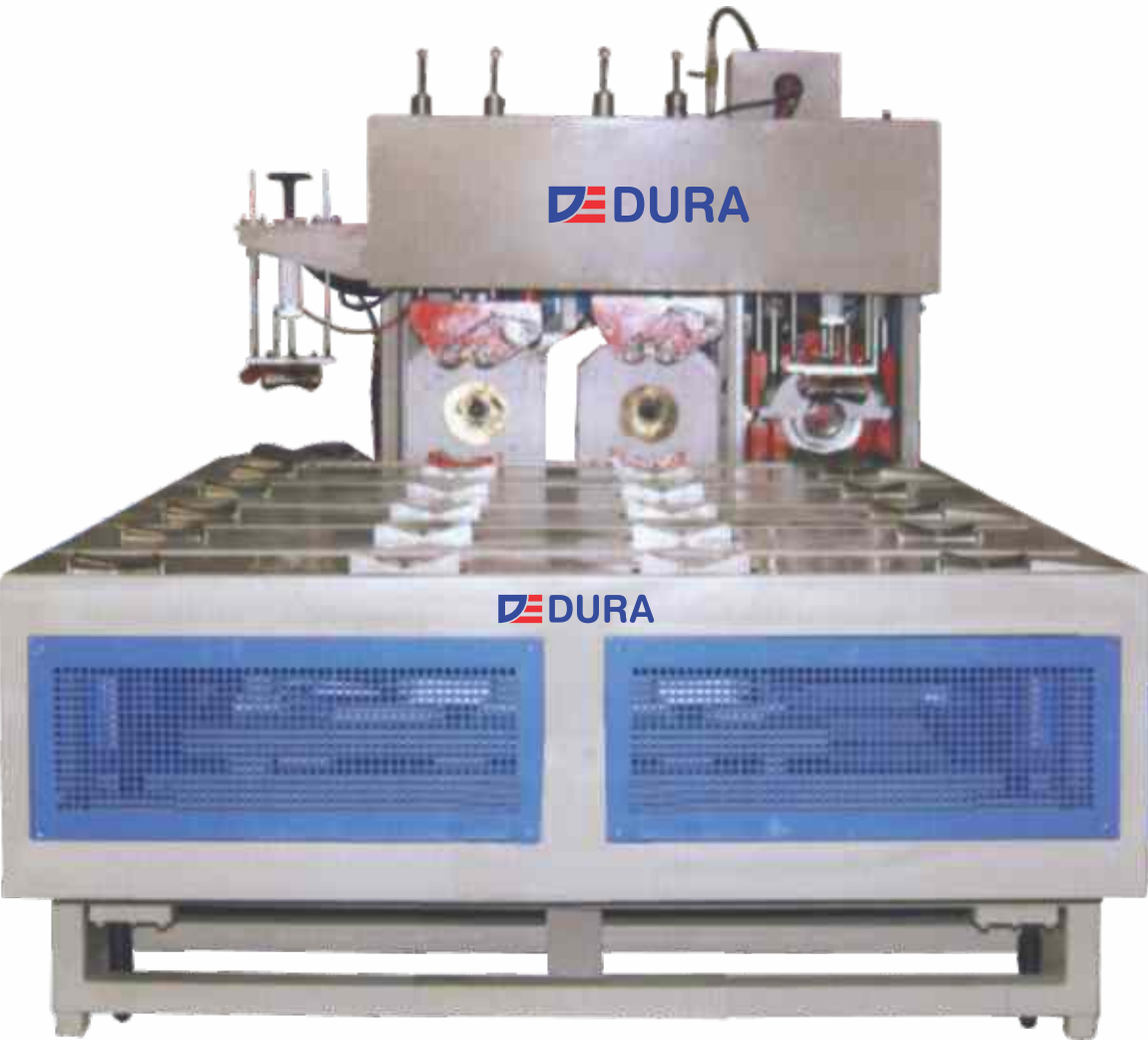
Main technical specifications :
(machine with one heating oven)

Model	DS160	DS250	DS315	DS450	DS630	DS800	DS1000
Diameter	40- 160mm	50- 250mm	110- 315mm	160- 450mm	315- 630mm	450- 800mm	500- 1000mm
Pipe	3m-8m	3m-8m	3m-8m	4m-8m	4m-8m	4m-8m	6m-8m
Hydraulic Pressure	5.0Mpa	6.3Mpa	6.3Mpa	6.3Mpa	8.0Mpa	8.0Mpa	8.0Mpa
Compressed air pressure	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa
Water perssure	0.4Mpa	0.4Mpa	0.4Mpa	0.4Mpa	0.4Mpa	0.4Mpa	0.4Mpa
Total power (KW)	13	15.5	25	32	53	75	90
Total weight (KG)	2200	2300	2800	3000	4500	8000	10000
Oerall Size (L*W*H,MM)	7000*1530*1950	7300*1660*1950	7550*1850*1950	7900*2140*2125	8450*2970*2250		10000*4600*2570
Production speed	45s-500s	50s-600s	50s-600s	60s-900s	15s-1200s	300s-1800s	500s-2500s
Forming mode	with ext-pressure chamber (or vacuum pump) and collapsible moulds						
Cooling mode	Water-cooled						
R-type belling moulds	3CR13 and 40Cr for Collapsible parts and other materials are 45# steel with Cr electro-plating						

D1	S11P101	(2) S4		S2 min	S3 min	D2	D3	6	M	U	Lb	L	R1	R2 max	R3 max
		min.	max												
50 .02	2.4 .05	3.20	3.38	2.70	2.4	50.5 .05	65.1 .05	15.4	20.9	59.1	95.4		4.5 .04 .07	10	16
63 .02	3.0 .05	4.00	4.65	3.50	3.0	63.6 .07	80.0 .08	18.8	23.8	616	104.2		5.4 .04 .08	12	21
75 .03	3.6 .06	4.80	5.60	4.20	3.6	75.6 .07	93.9 .08	19.6	26.3	65.3	111.2		5.9 .04 .08	13	23
90 .03	4.3 .07	5.70	6.65	5.00	4.3	90.7 .08	110.7 .08	21.0	28.6	66.5	116.1		6.5 .05 .10	15	26
110 .04	4.2 .07	5.50	5.45	4.80	4.2	110.8 .09	132.5 .09	22.0	31.1	69.8	122.9		7.0 .05 .10	16	29
125 .04	4.8 .07	6.25	7.20	5.55	4.8	125.8 .09	148.4 .09	23.8	32.1	72.2	128.1		7.0 .05 .10	17	32
140 .05	5.4 .08	7.05	8.10	6.25	5.4	140.8 .10	164.2 .10	25.1	33.3	74.1	132.5		7.5 .05 .10	19	34
160 .05	6.2 .09	8.10	9.30	7.15	6.2	161.0 .11	186.0 .10	28.0	35.7	76.5	140.2		8.1 .06 .12	21	37
180 .06	6.9 .10	9.05	10.25	7.95	6.9	181.2 .11	207.0 .11	30.5	36.6	79.0	146.1		8.1 .08 .12	23	41
200 .06	7.7 .10	10.05	11.40	8.95	7.7	201.3 .11	228.0 .12	32.4	37.9	81.7	152.0		8.6 .06 .12	25	45
225 .07	8.6 .11	11.30	12.70	10.05	8.6	226.4 .11	254.5 .12	35.6	40.3	85.2	161.1		9.2 .07 .14	28	48
250 .08	9.6 .12	12.60	14.15	11.25	9.6	251.5 .12	281.0 .14	38.2	41.9	88.4	168.5		9.2 .07 .14	30	52
280 .09	10.7 .13	14.05	15.75	12.55	10.7	281.6 .14	314.7 .14	41.6	47.1	92.7	181.4		10.7 .07 .14	33	57
315 .10	12.1 .16	15.90	17.70	14.20	12.1	316.8 .15	351.3 .16	45.7	49.5	97.0	192.2		11.3 .08 .15	37	63
355 .11	13.6 .18	17.80	19.90	15.90	13.6	357.0 .16	394.5 .18	50.5	53.7	102.2	206.4		12.4 .08 .16	41	70
400 .12	15.3 .18	20.25	22.40	17.90	15.3	402.2 .18	443.1 .20	52.0	58.6	109.4	220.0		13.4 .09 .18	45	78
450 .14	17.2 .20	22.55	25.20	20.35	17.2	452.5 .20	495.4 .20	58.1	62.0	114.9	235.0		14.5 .10 .20	50	86
500 .15	19.1 .22	25.10	27.95	22.55	19.1	502.6 .22	549.8 .24	66.0	68.4	120.6	255.0		15.6 .11 .22	55	94
560 .17	21.4 .24	28.05	31.15	25.20	21.4	562.8 .24	614.0 .25	70.0	73.8	129.2	273.0		17.0 .11 .22	60	102
630 .19	24.1 .25	31.60	35.00	28.40	24.1	633.1 .26	688.8 .27	76.0	80.3	138.7	295.0		18.8 .12 .24	67	112
710	27.2	35.7	36.80	32	27	713	774.6	83	88.20	149	320		21	76	122
800	30.6	40.1	44.30	36	31	804	867.8	90	92.6	162	345		22	84	132

DS160S

Automatic Belling Machine DS160S
(50 – 160mm,R-type and U-type with two heating ovens)



DS75S

Automatic Double-pipes Belling Machine DS75S
(20 – 75mm, U-type)



Main technical specifications : (machine with one heating oven)

Model	DS32S	DS63S	DS315	DS110
Diameter	16- 32mm	20- 63mm	20- 75mm	20- 110mm
Quantity	two sockets per cycle	two sockets per cycle	two sockets per cycle	one sockets per cycle
Pipe	3m-6m	3m-6m	3m-6m	3m-6m
Compressed air pressure	0.4Mpa	0.4Mpa	0.4Mpa	0.4Mpa
Total power (KW)	7	7	7	7
Total weight (KG)	2000	2300	2400	2200
Oerall Size (L*W*H, MM)	7460*1530*1900	7460*1900*1900	7460*1950*1900	7460*1550*1900
Production speed	18s-25s	18s-50s	18s-60s	18s-120s
Cooling mode	Water-cooled or Air-cooled			
U-type belling moulds	45 steel, electro-plating for Surface treatment.			

DBW 2500/2600 DOUBLE COLOR PRINTING MACHINES

Performance & Use

This machine is used for the printing and glazing of various wood stripes, designs and patterns on PVC doorboard, skirting board and wooden board. The factory offers products of high quality, attractive price and considerate service. Special designs are accepted and customers are welcomed to visit our factory.

Major Features

The machine can finish transmitting, cleaning, printing, glazing, flattening and UV drying at one time. The printing speed can be adjusted freely and operation is easy.



Technical Parameter

Printing width	500mm	600mm
Printing color	2 color	2 color
Printing Speed	0-25m/min	0-25m/min
Total Power	30kw	30kw
Weight	5000kg	6000kg
Visual size (L x W x H)	13400 x 1500 x 1600mm	13400 x 1600 x 1600mm

HIGH OUTPUT HM HDPE BLOWN FILM PLANT

Outstanding Combination of Technology & Performance

Application of HM HDPE Film

- Pickup Bags
- Vest Bags (Zable Bags)
- Garbage Bags
- Dry Food Packing
- Multi-purpose liner sheels
- Grocery Bags
- 'D' Cut Bags
- Stationery & Envelopes
- Apparel Packing



Technical Data

Model	DI/SD/HM/ 40	DI/SD/HM/ 45	DI/SD/HM/ 50
Screw Dia	40 mm	45 mm	50 mm
L/D Ratio	28:1	25:1	28:1
Max. out-put per hour	40 Kgs.	50 Kgs.	65 Kgs.
Main Drive	10 HP	15 HP	20 HP
Lay flat width (Min - Max)	100 - 600 mm	100 - 600 mm	100 - 750 mm
Thickness (Min-Max) Microns	20 - 100	20 - 100	20 - 100
Die Type	Spiral	Spiral	Spiral
Die Size	70 mm	70 mm	70 mm, 125 mm
Temperature controllers	6 nos.		
Control Panel	Complete set		
Irish ring	Aluminium Cast		
Sirens	Bubble puncture & auto roll weight siren		
Filter Type	Candle / Flat		
Winder Type	Surface		
Winder motor	0.5 HP Torque motor		
Take off motor	0.5 HP AC geared motor		
Air cooling ring	1 set with required inserts		
Air blower	2 HP AC motor		
Nip Roller Size	625 mm (25")	625 mm (25")	800 mm (32")
Rotating Die Attachment	Not possible	Possible	Possible
Total Connected Load	22 KW	26 KW	30 KW
Foor Space	10'x 10 x 12'	11'x 11'x 12'	11'x 11'x 12'
Approximate weight	2 tons	2.2 tons	2.5 tons

HMHDPE / LDPE FILM PLANT with Rotating Die

Polypropylene Transparent Blown Film Plant



Technical Data

Model	DI/HM/SD/ 55	DI/HM/SD/ 60
Screw Dia	55 mm	60 mm
L/D Ratio	28:1	28:1
Max. out-put per hour	90 Kgs.	120 Kgs.
Main Drive	25HP	30HP
Lay flat width (Min - Max)	200 - 1000 mm	400 - 1300 mm
Thickness (Min-Max) Microns	10 - 150	10 - 200
Type of Die	Spiral	Spiral
Die Size	100 mm, 150 mm	150 mm, 200 mm
Temperature controllers	7 nos.	7 nos.
Control Panel	Complete set	
Irish ring	Aluminium Cast	
Sirens	Bubble puncture & auto roll weight siren	
Filter Type	Candle / Flat	
Winder Type	Surface	
Winder motor	1 HP Torque motor	1 HP Torque motor
Take off motor	0.5 HP AC geared motor	0.75 HP AC geared motor
Air cooling ring	1 set with required inserts	
Air blower	2 HP AC motor	
Nip Roller Size	1050 mm (42")	
Rotating Die Attachment	Possible	
Rotating Die Drive	0.5HP	0.5HP
Total Connected Load	35 KW	41 KW
Floor Space (L x W x H)	12' x 12 x 13'	12' x 12' x 16'
Weight (Approximate)	2.5 tons	3 tons

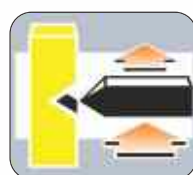


Technical Data

Model	DI/PP/SD/ 45	DI/PP/SD/ 50	DI/PP/SD/ 55
Screw Dia	45 mm	50 mm	55 mm
L/D Ratio	28:1	25:1	28:1
Max. out-put per hour	50 Kgs.	65 Kgs.	90 Kgs.
Main Drive	7.5 HP	10 HP	15 HP
Lay flat width (Min - Max)	50 - 400 mm	100 - 625 mm	375 - 750 mm
Thickness (Min-Max) Microns	20 - 75	20 - 75	20 - 100
Die Type	Spiral	Spiral	Spiral
Die Size	175 mm	200 mm	275 mm
Temperature controllers	8 nos.	8 nos.	8 nos.
Control Panel	Complete set		
Bath Tub	Moving Upward & Downward		
Filter Type	Candle / Flat		
Winder Type	Side / Front, Shaft type		
Winder motor	Two station with 0.5 HP torque motor		
Take off motor	0.5 HP AC geared motor		
Air cooling ring	Adjustable ring provided		
Air blower	3 HP AC motor		
Nip Roller Size	500 mm (20")	750 mm (30")	900 mm (36")
Rotating Die Attachment	Possible	Possible	Possible
Total Connected Load	20 KW	23 KW	29 KW
Floor Space	12' x 10 x 13'	12' x 11' x 13'	14' x 12' x 14'
Approximate weight	2 tons	2.5 tons	3 tons

RANGE OF TEST EQUIP FOR PLASTICS

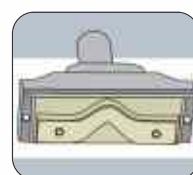
Range of Test Equipments for Plastics



**PECIMEN
PREPARATION**



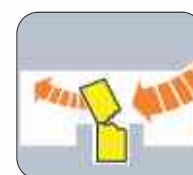
MISCELLANEOUS



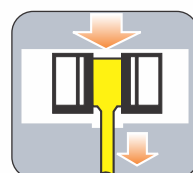
**PHYSICAL AND MECHANICAL
TEST EVALUATION**



**THERMAL TEST
EVALUATION**



**PRODUCT TEST
EVALUATION**



PROCESS TEST EVALUATION



SPECIAL EQUIPMENTS



Carbon Black Dispersion Tester



**Hot / Vsp Tester
(Analogue / Digital)**



**Digital Version with
Computer Interfacing**



Universal Tensile Tester



Izod-charpy Impact / Tensile Impact



Notch Cutter



Digital Density



Black Density



**20 Ton Compression
Moulding Press**



**Co-Efficient of Friction Taster
(Slip Tester)**



Melt Flow Index Tester



Carbon Black Content Tester



**Environmental Stress
Cracking Resistance**



Hot Air Circulating Oven

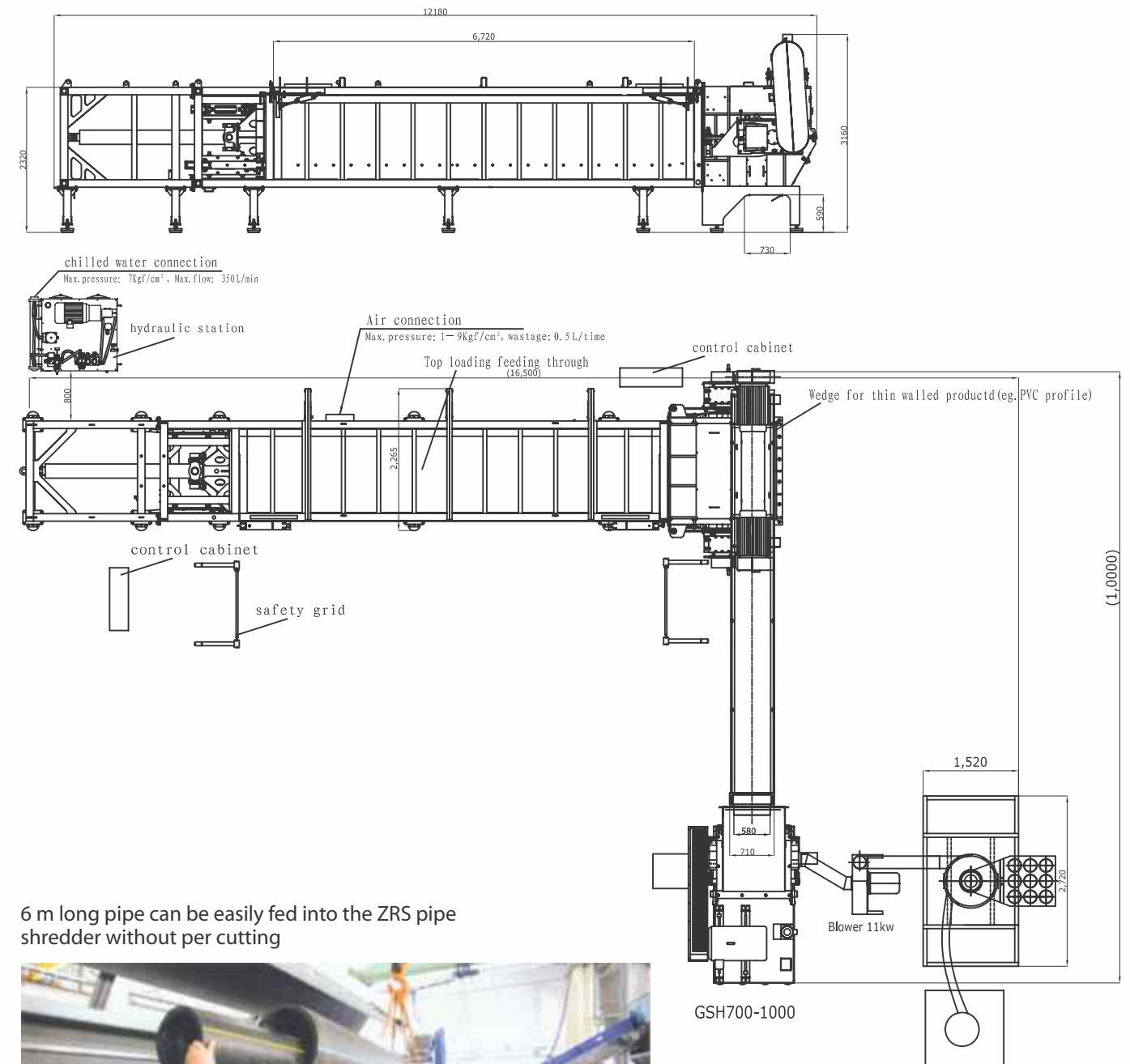


Muffle Furnace

HIGHER RANGE OF SHREDDER AND CRUSHER FOR PIPE EXTRUSION APPLICATIONS

Process Overview

Pipe and profile extrusion is defined as a process of forcing the polymer melt through a shaping die. The extrudate from the die is sized, cooled and the formed pipe is pulled to the winder or a cut off device. Prior to this, the plastic material in the form of polymer granules is fed into the hopper, conveyed by a rotating screw through a long cylindrical barrel. This is subjected simultaneously to high temperature and pressure, forcing the melt through the die at a predetermined rate. After PVC, PE is the most used thermoplastic piping material.



6 m long pipe can be easily fed into the ZRS pipe shredder without per cutting



INJECTION MOULDING MACHINERY

We offers Injection moulding machines & accessories from our principal having manufacturing facility in Taiwan & China having strong product presence all over the world.



Injection moulding machines :

- Toggle clamping system machines from 60 tons – 4000 tons.
- Precision machine from 60 tons to 4000 tons.
- Thin wall and High-speed / precision machine from 60 tons to 1450 tons.
- PET pre-form machine from 60 tons to 500 tons.
- Thermosetting Plastic and two color machine.
- Powder PVC machines.
- Plunger type PET preform machine 165 tons to 385 tons.

Turn-key Solutions :

- Ball- Point pen turnkey project.
- PET preform turnkey project.
- Audio / Video / CD case turnkey project.
- P.V.C pipe fitting manufacture plant.
- Thin wall container molding system.
- Outdoor furniture production line.
- Plastic closure molding system.
- Gas assistance injection molding system.
- OEM model for Japan / Europe / North America.
- Medical syringe / Plastic attached case / Air conditioner / Washing machines production line.
- Special design machines for customer application.

BLOW MOULDING MACHINERY

We offers Extrusion blow molding machines suitable for producing hollow products such as Plastic bottles, barrels, jars, tool-case, profile hollow parts, hollow chairs, oil tanks for automobiles, plastic panels etc

We offers machines that can produce product ranging from 5 ML to 5000 L .



Extrusion Blow Moulding Machines



We can provide machine with single-head, double-head, three-head, four-head, six-head

We can provide machines for multilayer products such as single-layer, double-layer, four-layer, five-layer & six layer etc.

Extrusion blow moulding machines :

- Fully Automatic Extrusion blow moulding machine (Single Station) for 2L / 5L / 12L.
- Fully Automatic Extrusion blow moulding machine (Double Station) for 2L / 5L / 12L / 18L / 30L.
- Double station six-head automatic blow moulding machine suitable for large production.
- Fully Automatic Extrusion blow moulding machine with Accumulator for 25 L / 50 L / 80 L / 160 L / 250 L.
- Automatic Extrusion blow moulding machine specially for 3 gallon & 5 gallon water barrel and lamp cover.
- Blow / Fill / Seal packaging system.





BLOW MOULDING MACHINERY

We offer stretch blow machines suitable for producing PET bottles of different size & shapes, small and big jars, small and wide mouth containers.

These bottles can be used for different applications such Mineral water, edible oil, alcoholic drinks, CSD, pickle food, cosmetics, soda drink, detergent, cooking oil etc.



Semi Auto Machine

PET STRETCH BLOW MACHINES

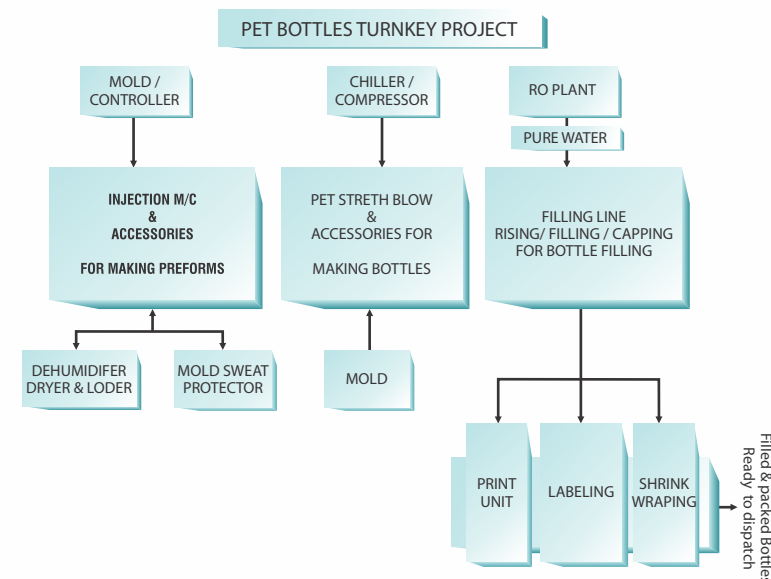
Stretch blow machines:

- Semi-Auto stretch blow machines for bottles sizes 30 ml to 2000 ml.
- Semi-Auto stretch Blow Machines with 2 blow and 1 conveyor for bottle sizes 30 ml to 2000 ml.
- Full-Auto stretch blow machines for bottle sizes 30 ml to 2000 ml.
- Stretch Blow Machines for small / big size and small / wide mouth bottles & Jars.
- Stretch Blow Machines for pharmaceutical bottle applications.



Full Auto Machine

TURNKEY PROJECTS



Our team of professionals has expertise in setting up the different projects on turnkey basis in Plastic industries. We provide all technical know-how including machines, molds, accessories, man power, installation & commissioning for various turnkey projects.

- Ball-Point pen turnkey project.
- PET perform turnkey project.
- Audio / Video / CD case turnkey project.
- P.V.C pipe fitting manufacture plant.
- Thin wall container molding system.
- Outdoor furniture production line.
- Plastic closure molding system.
- Gas assistance injection molding system.
- Medical syringe / Plastic attached case / Air conditioner / washing machines production line.
- Special design machines for customer application.

MOULDS

Injection Moulds

Injection moulds for different product applications:

- Moulds for household items like buckets, bowls, basins, mugs etc.
- Moulds for houseware / furniture / pallets / crate
- Moulds for turnkey project – PET preform / Thinwall IML system / Caps & closure systems / Audio-video-CD / Ball point pens
- Moulds for Home appliances
- Moulds for PVC fittings
- Moulds for auto-components



Blow Moulds

Blow moulds for Extrusion blow as well as Stretch blow products:

- Moulds for hollow products Plastic bottles, barrels, jars, tool-case, profile hollow parts, hollow chairs, oil tanks for automobiles, plastic panels etc.
- PET stretch Blow moulds for bottles used in applications such as Mineral water, edible oil, alcoholic drinks, CSD, pickle food, cosmetics, soda drink, detergent, cooking oil etc.

OTHER PRODUCTS

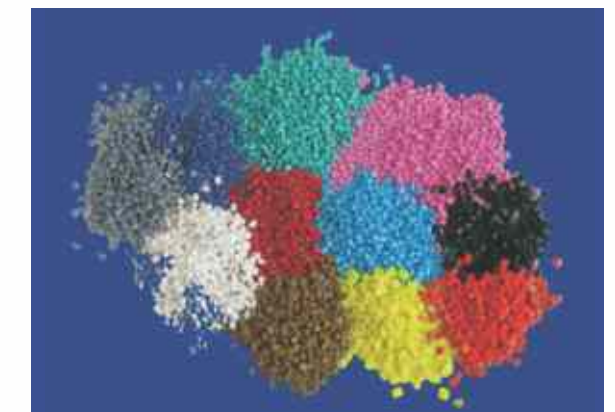
- Raw Materials
- Masterbatches
- Additives & Chemicals

FILLING & PACKAGING MACHINES

- Automatic Rinser / Filler / Capper for Water Juices / Carbonated Drinks etc.
- Automatic Filling & Sealing Machine for Snacks / Chocolate / Noodles etc.
- Automatic Corrugated carton Packer
- Automatic can filler & seamer
- Automatic Straw Making machines

SPARE PARTS / SCREW BARRELS

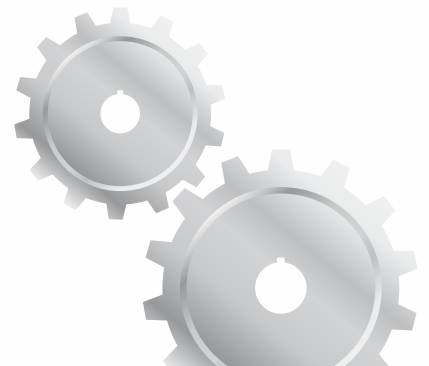
- Screw Barrels for Injection / Blow Machines
- Heaters for Injection / Blow machines
- Oil seals, O rings, Cylinder packings



"We reserve the right to change in specification,
design, description, etc. at any time without Notice"



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