HPMC

EXTRUSION REDEFINED

Providing Solutions for
all Your Extrusion Needs

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Director's Message

Welcome to the productive world of HPMC - a world where diverse range of extrusion machinery take shape. We are India's leading plastic extruder manufacturing company offering quality machinery for a wide range of extrusion processes. It has been quality, expertise, and our unflinching commitment for innovation that prompt us to take a new leap every passing moment.

Ever increasing use of plastic by virtually every end use segment calls for the requirement of extruders in the same fashion and thankfully, we have been ably fulfilling the needs of every extrusion partner.

Fulfilling extrusion needs on time, on target, and within budget is our sole motive. Our versatile engineers and all skilled professionals give their best shot, and the outcome is very obvious: need appropriate and cost-effective solutions to our clients. We are always keen to add more and more machinery to our range, encompassing newer technology.

We would like to say special thanks to dynamic organisations like Siemens, ABB, Fuji, Yashikawa, Danfoss, Crompton Greaves, and others who facilitate us supreme components and parts that make our extruders truly world class.

We hope our brochure would support your quest for useful and empowering information.

Best Regards,
B.R. Kalra

SIEMENS ABB Danfoss Fuji Electric Schneider Electric MITSUBISHI ELECTRIC

BONFIGLIOLI Power & Control Solutions DELTA LARSEN & TOUBRO OMRON Honeywell Kirloskar

Smart solutions. Strong relationships.

HPMC
EXTRUSION REDEFINED

Contents

Company Overview

Established in the year 1973, HPMC is an ISO 9001 : 2008 certified manufacturer, exporter and supplier of plastic processing machinery. Due to our constant commitment to extrusion technology, we have emerged as a leading manufacturer of machinery for PVC pipes, HDPE pipes, Inline drip irrigation pipes, PVC compounding, Reprocessing, PPR Pipes, PVC profiles, Cable coating, LLDPE layflat pipes, CPVC pipes and many others for a wide range of extrusion processes.

Made of quality raw material and using world class technology, our machines are widely appreciated for their salient attributes like efficient and consistent performance, lower power consumption, durability and corrosion resistance. Our products incorporate user-friendly operations and controls, including parts that resist wear and tear and conform to prescribed specifications of plastic manufacturing units. With decades of valuable industry experience, we can deliver quality machinery in both standard and customised specifications.

In the fast-growing competitive market of plastic extrusion machinery, we stand out as a growth oriented company that recognizes the needs of the plastic manufacturing industry and provides comprehensive services including machinery operation and maintenance instructions. To achieve new benchmarks we continuously keep an eye on innovation.

We have clientele in both domestic and international markets, and we serve them with unconditional support. Our active research and development enables us to deliver solutions for specific extrusion needs of clients and scaling newer heights in the industry.

Mission

To optimize our manufacturing capabilities and elevate our position as a leading manufacturer of plastic extrusion machinery.

To innovate excellent, functional and cost-effective plant for multiple extrusion processes.

To provide apt solution for every extrusion need.

Core Values

- Constant development
- Need-oriented solution
- Undeterred commitment towards client's satisfaction
- Transparent approach
- Future readiness

Commanding Future Needs Through Innovation

Plastic extrusion has wider applications. So, innovation is the key to lead in this industry. Since the very moment of inception, HPMC has been constantly working to facilitate mechanically superior and economically profitable screw extrusion plants to clients.

We have been successful in this endeavour because of extensive expense on R&D, our world class infrastructure, and committed team of professionals who work relentlessly to evolve better and cost-effective extrusion engineering solutions.

No wonder, our product line continues to grow and evolve to meet clients' changing requirements and complying with environmental guidelines.

Controlled Quality-Enhanced Safety

As supplying top quality machinery to clients is our prime objective, we have employed an efficient system for surveillance and evaluation that assists us in meeting high quality standards for our plants. Add to that, we continuously upgrade our knowledge in quality matters to improve our process and products with changing time.

We adopt strict quality control norms right from the procurement of raw materials, and keep sticking to it till the dispatch of machinery. Every product is stringently tested on relevant parameters and passes through the supervision of experts at several stages. Besides quality, we adequately focus on the safety measures and this is how only safe and sound products are furthered to our esteemed clients. This ensures optimum performance of our equipments at one hand and optimum satisfaction of the clients at the other.

Superior Customer Service

Our technical experts are always ready to assist customers on specific problems related to machinery operation and maintenance. Our field technicians are just a call away and are quite capable to attend to any urgent requirement for service.

We provide support and service in the following areas :

- Project planning
- Installation and commissioning
- Plant operation
- Routine maintenance
- Manpower support
- User training
- Spare parts
- Manuals

CONICAL TWIN SCREW EXTRUDER FOR RPVC & CPVC (SINGLE PIPE)

Applications of PVC Pipe
- Drain-waste-vent (DWV) • Sewers • Water mains
- Water service lines • Irrigation • Various industrial installations • Electrical conduit SWR pipe

Conical Twin Screw Extruder
- Counter rotating conical twin screw machined on CNC "WMW" Germany make thread milling machines by simulation software for better performance
- Conical twin screw extruder are specially designed for high calcium loading
- Compact & reliable gear box
- Two piece barrel Construction for economical replacement can be provided
- Synchronized drives of the extruder, feeder, and haul-off enable the ease of operation. It is designed for high output at low screw speed and less power consumption
- Bi-metallic screw & barrel can be provided for two-three times more lifespan than nitrided screw & barrel

Die Head
- Die head is made of high carbon content forged alloy steel for better life & performance

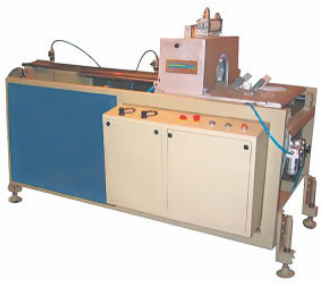
Spray Bath
- Intensive cooling of the pipe with the help of numbers of spray nozzles.
- Axial adjustment of tank on slide rails with locking arrangement
- Self cleaning type spray nozzles with wide opening for intensive cooling of the pipe
- Acrylic transparent cover for easy inspection

Technical Specifications

Main Specifications	Conical Twin Screw Extruder							
Machine Model	Min. Pipe OD (mm)	Max. Pipe OD (mm)	Max. Plasticizing Capacity (kg./hr.)	Max. Output (kg./hr.)	Main Drive (kw)	Heating		Screw Speed Variation (RPM)
						Barrel (kw)	Die (kw)	
HPMC 45/90	16	50	90	80	15	11	3	1-37
HPMC 51/105	16	200	170	150	18.5	15	5	1-37
HPMC 65/132	63	225	300	250	37	20	8	1-37
HPMC 80/156	110	315	425	350	55	35	12	1-37
HPMC 92/188	315	630	600	450	75	45	20	1-37

Pneumatic Haul-off

- Twin and multi-track system
- Track can be adjusted for different sizes of pipes ranging between 20mm and 630mm
- Haul-off is synchronized with extruder with the help of AC frequency variable drive
- Gap between two tracks and pressure is adjusted pneumatically
- V-Groove rubber pads mounted on chain with proper tensioning to prevent ovalty even for large diameter and thin wall pipes



Automatic Cutting Unit Up to 200mm

- Carborundum for smaller diameter and high speed steel for bigger diameter to ensure less wastage during cutting
- Smooth and clean cut
- All movement are equipped with pneumatic cylinders
- Clamping force can be adjusted to accommodate different wall thickness.
- Limit switch has been provided to sense particular length

Planetary Cutting Saw

- Planetary saw blade cutting for pipe dia up to 630mm
- UPVC chamefering rotary cutting
- Cutting is PLC controlled
- Saw dust powerful sucking device
- Special hard alloy saw blade is employed to cut heavy caliber thick wall pipes

Tipping Unit

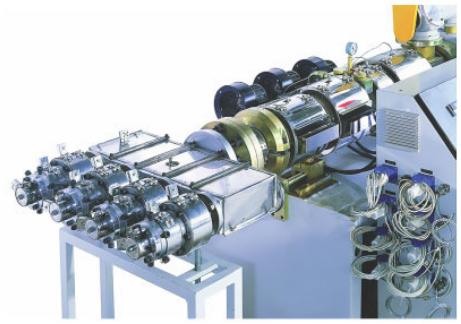
- Operated with pneumatic cylinder and limit switch for pipe stacking

Vacuum Sizing Tank			Spray Bath			Haul - off		Cutting Saw	
Pump Drive (kw)	Length (mtrs.)	Water Requirements Circulating (ltr/mm)	Length (mtrs.)	Water Requirement Circulating (ltr/mm)	Drive Range (kw)	No. of Arms	Width of Belt (Inch.)	Saw Dia (mm)	Saw Drive Load (kw)
2.25	3.0	400	3	-	1.5	2	4	300	0.75
2.25	1.0	400	5	-	4	2	6	500	1.5
-	-	-	6	450	4	2	6	500	1.5
-	-	-	6	500	5.5	3	2.5	200	2.25
			6+6	1000	7.5	6	2.5	200	2.25

CONICAL TWIN SCREW EXTRUDER FOR PVC PIPE (FOUR PIPES)

Application of PVC Four Pipes
• Electrical piping system • Underground duct

Conical Twin Screw Extruder for Four Conduit Pipe
- It produces four pipes of different weights and diameters at the same time out of one mould
- Results in high production even for smaller sizes of pipe
- Special conical twin screw extruder can take high filler loading as compared to parallel twin screw extruder
- Counter rotating conical twin screw machined on CNC "WWW" Germany make thread milling machines by simulation software for better performance
- Bi-metallic screw & barrel can be provided for two-three times more lifespan than nitrided screw & barrel



Four Pipe Die Head
- Die head for smaller sizes of pipe ranges from 16mm-32mm with stainless steel spider
- It ensures the production of four pipe out of one mould, thus making the cost of production low
- It has reasonable flow channel design and special treatment on the surface
- Special flow channel design ensures the equal distribution of PVC in both moulds
- Melt temperature and pressure remain even

Technical Specifications

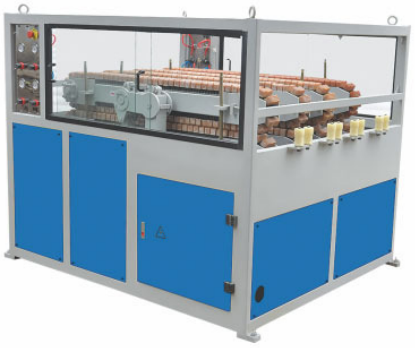
Main Specifications	Conical Twin Screw Extruder							
Machine Model	Min. Pipe OD (mm)	Max. Pipe OD (mm)	Max. Plasticizing Capacity (kg/hr)	Max. Output (kg/hr)	Main Drive (kw)	Heating		Screw Speed Variation (RPM)
						Barrel (kw)	Die (kw)	
HPMC 65/132	16	32	250	220	37	24	12	1-37
HPMC 80/156	16	32	350	320	55	36	12	1-37

Four Pipe Vacuum Tank

- Four pipe vacuum tank ensures the production of three pipes even if the production of the fourth pipe is stopped due to any reason. Thus, making the wastage low. It is made of stainless steel
- All vacuum portions are independent from each other

Four Pipe Cutting Unit

- Its construction ensures the cutting of four pipes at different length and at different time
- Length of the pipe can be set with limit switch of tipping chute
- Functioning is "PLC Controlled"
- Special high speed blade for smooth cut



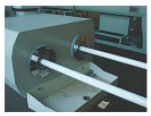
Four Pipe Haul-off

- Its construction ensures the traction of pipes at four different speeds thus enabling the production of pipes of different weight
- Gap between two tracks is adjusted through pneumatic cylinders
- Drive to all 4 belts is given through 4 independent geared motors
- Rubber pads are mounted on the chain for easy maintenance
- Chain drive and groove rubber pad ensure that the pipe would not slip even at higher line speed

Vacuum Sizing Tank And Water Tank				Haul-off		Cutting Saw	
Pump Drive (kw)	Pump Drive (kw)	Length (mtrs)	Water Requl Rements Circulating (ltr/min)	Drive Range (kw)	Pulling Speed (mtr/min) Range I	Saw Dia (mm)	Saw Drive Load (kw)
3.7x1	3	3	300	2.2x4	2 to 6	200	0.75x4
3.7x1	3	3	300	2.2x4	4 to 10	200	0.75x4

CONICAL TWIN SCREW EXTRUDER FOR PVC PIPE (DOUBLE PIPE)

Applications of PVC Pipe
• Electrical piping system • Underground duct

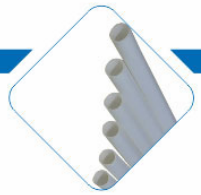


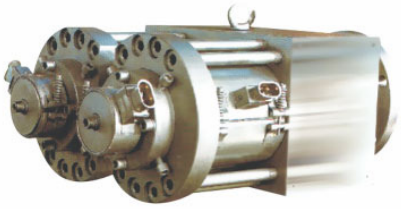
Conical Twin Screw Extruder for Dual Conduit Pipe
- It produces twin pipe fo two different diameters at the same time out of one mould
- Results in high production (125kg/hr-150kg/hr) even for smaller sizes of pipe
- Special conical twin screw extruder can take high filler loading as compared to parallel twin screw extruder
- Counter rotating conical twin screw machined on CNC "WWW" Germany make thread milling machines by simulation software for better performance
- Bi-metallic screw & barrel can be provided for getting two-three times more lifespan than nitrided screw & barrel

Dual Pipe Vacuum Tank
- Dual pipe vacuum tank ensures the production of one pipe does not stop, even if the production of second pipe is stopped due to any reason. Thus, making the wastage low. It is made of stainless steel
- Separate vacuum pump and water pump for two different vacuum chambers

Technical Specifications

Main Specifications	Conical Twin Screw Extruder							
Machine Model	Min. Pipe OD (mm)	Max. Pipe OD (mm)	Max. Plasticizing Capacity (kg/hr)	Max. Output (kg/hr)	Main Drive (kw)	Heating		Screw Speed Variation (RPM)
						Barrel (kw)	Die (kw)	
HPMC 51/105	16	50	170	150	22.5	15	8	1-37





Dual Pipe Die Head

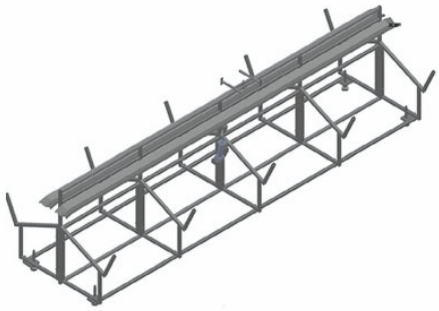
- Die head for smaller sizes of pipe ranges from 16mm-50mm with stainless steel spider
- It ensures the production of dual pipe out of one mould, thus making the cost of production low
- It has reasonable flow channel design and special treatment on the surface
- Special flow channel design ensures the equal distribution of PVC in both moulds
- Melt temperature and pressure remain even

Dual Pipe Haul-off

- Its construction ensures the traction of two different pipes at two different speeds thus enabling the production of pipes of different diameter
- Drive is given through four geared motors to all four belts and synchronized with the help of AC frequency variable drive
- Gap between two tracks is adjusted through pneumatic cylinders

Dual Pipe Cutting Unit

- Its construction ensures the cutting of two pipes at different length and at different time
- Length of the pipe can be set with limit switch of tipping chute.
- Functioning is "PLC controlled"
- Special high speed blade for smooth cut



Double Pipe Tipping Unit

- It is provided with two individual unloading tables, so that both the pipes are stacked at different locations

Vacuum Sizing Tank			Cooling Tanks		Haul - off		Cutting Saw	
Pump Drive (kw)	Length (mtrs)	Water Requl Rements Circulating (ltr/mm)	Length (mtrs)	Pump Drive (kw)	Drive Range (kw)	Polling Speed (mts/min) Range I	Saw Dia (mm)	Saw Drive Load (kw)
2.25x2	5x2	400x2	5x2	2.25x2	0.75x4	2 to 6	300	0.75x2

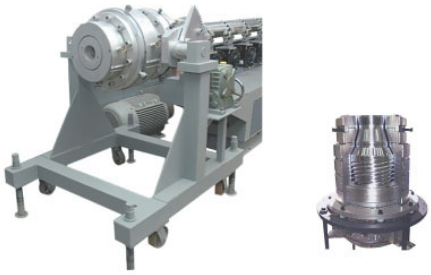
HDPE PIPE EXTRUSION LINE

Applications of HDPE Pipe
- Irrigation / Agriculture • Industrial effluents
- Sprinkler system • Tubewells • Slurry transportation
- Portable water supply • Gas transmission
- Sewerage & drainage • Chemical industries
- Telephone cable ducting • Drip, sprinkler and lift irrigation

High Speed HDPE Extrusion Line

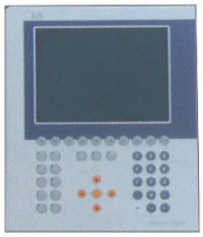
We offer high speed HDPE extrusion line which is available in different models such as HPMC 45G, HPMC 65G, HPMC 75G, HPMC 90G. The machine finds usage in the extrusion of polyolefin plastics. The plasticized capacity of the extrusion line ranges from 175kg/hr to 600 kg/hr.

Features:
- Easy operation • Optimum performance • Durable
- Low power consumption • Corrosion resistance



Spiral Type Die Head
- Spiral type die head ensures stable wall thickness of PE pipe even at higher output
- It can produce pipe up to 630mm
- Low pressure diagonal channel with spiral mixing part ensures extrusion at low temperature and homogeneous plasticization

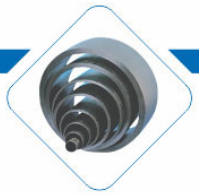
Screw & Barrel
- The screw adopt barrier type mixing zone
- The barrel feeding zone is groove feed bush and made of hard alloy.
- It results in higher output rates, homogeneous plasticizing and less material slippage
- Bi-metallic screw & barrel can be provided for two-three times more life-span than nitrided screw & barrel



PLC Control System
- There is an option for the whole line with PLC control system and large liquid crystal screen which makes the operation very convenient

Technical Specifications of High Speed Single Screw HDPE Pipe Extrusion Plant

Main Specifications	Conical Twin Screw Extruder							
Machine Model	Min. Pipe OD (mm)	Max. Pipe OD (mm)	Max. Plasticizing Capacity (kg/hr)	Max. Output (kg/hr)	Main Drive (kw)	Heating		Screw Speed Variation (RPM)
						Barrel (kw)	Die (kw)	
HPMC 45G	20	110	150	140	37	8	4	30-120
HPMC 65G	20	200	200	180-200	55	12	5	30-120
HHPMC 75G	63	250	350-400	350	110	20	15	30-120
HPMC 90G	315	630	550-600	550	175	28	22	30-120



Vacuum Tank

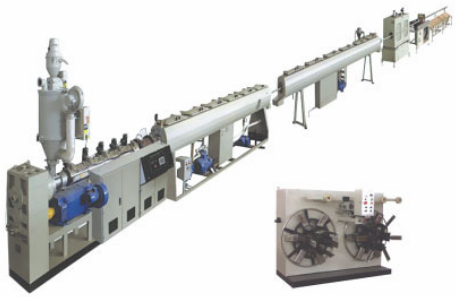
- Special design vacuum sizing tank can ensure the stability of diameter and roundness even when producing the pipe with higher wall thickness.
- The water spray unit produces high speed spray vortex to achieve fine and even cooling effect
- It is of octagonal shape for better strength and uniform vacuum even for higher diameters

Multiple Arm Haul-off

- Haul-off can be supplied with multiple arms-maximum up to six for diameter of 630mm
- Multiple arm haul-off ensures the perfect roundness even of higher diameter

Planetary Cutting Saw

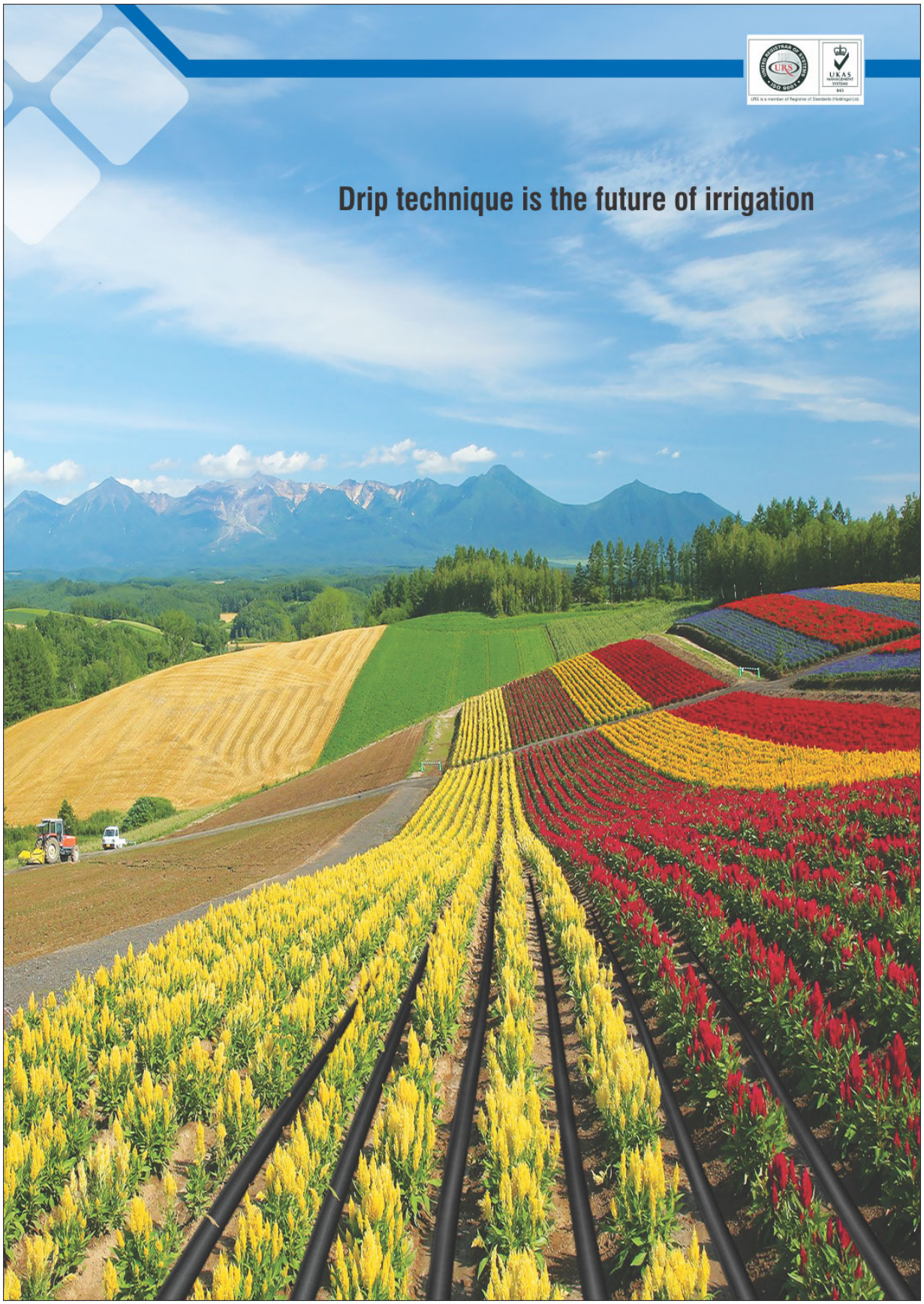
- Planetary Saw blade cutting for pipe diameter up to 630 mm.
- Cutting is PLC controlled
- Saw dust powerful sucking device
- Special hard alloy saw blade employed to cut heavy caliber thick wall pipes



Double / Single Station Coiler

- Double station coiler can be provided for diameter up to 63mm. Single station coiler can be provided for diameter up to 110mm

Vacuum Sizing Tank			Spray Bath			Haul - off		Cutting Saw	
Pump Drive (kw)	Length (mtrs)	Water Requirements Circulating (ltr/mm)	Length (mtrs)	Water Requirement Circulating (ltr/mm)	Drive Range (kw)	No. of Arms Option 1	Option 2	Saw Dia (mm)	Saw Drive Load (kw)
2.25	6.0	450	6	450	3.7	2	-	400	0.75
2.25	6.0	450	6.0	450	3.7	2	-	500	1.5
2.25*2	6.0	600	6.0*2	1000	5.5	3	4	200	3
7.5*2	6.0+6.0	1200	6.0*3	1500	7.5	-	6	200	5.5


Drip technique is the future of irrigation

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ROUND INLINE DRIP IRRIGATION PIPE EXTRUSION LINE

Production Line Technique Index For Round Inline Drip Pipe

Extruder	65 mm / 37 kw / 150 kg / hr
Normal Line Speed	18-54 mts/min
High Line Speed	20-80 mts/min
Cylindrical drippers maximum Transmission speed selection	300 / min (Servo Controlled)
Complete line controlled	10-3" PLC touch Panel
Emitter spacing	20 cm above set arbitrary (Variable pitch settings by touch screen)
Tractor speed	4-80 m / min
Drilling speed	90 / min
Highspeed drilling	200 / min
Line length	28 m / 34 m
Vacuum tank	4 mtrs (Stainless steel)
Water tank	6/6x2 (Stainless steel)
Double station coiler	500 mtrs - coil
Rated power	65 kw

Salient Features of Round Inline Drip Pipe Extrusion Line

- Maximum line speed of 60 mtrs / min for 300 mm dripper spacing
- Complete line is controlled by PLC 10.3" touch panel
- Dripper insertion is controlled by high precision servo motor
- Dripper is automatically screened centrifugally before insertion
- Vacuum tank is of stainless steel (6 mtrs long)
- Drilling is by pneumatic rotary drill
- Haul-off is equipped with pneumatic cylinders to accommodate the dripper inside the pipe while passing through it
- In high speed line two haul-offs have been provided and both are driven by servo motor
- Two station winder with separate torque motor is provided which is perfectly synchronized with the line speed of the machine

Proper water distribution ensures excellent cultivation

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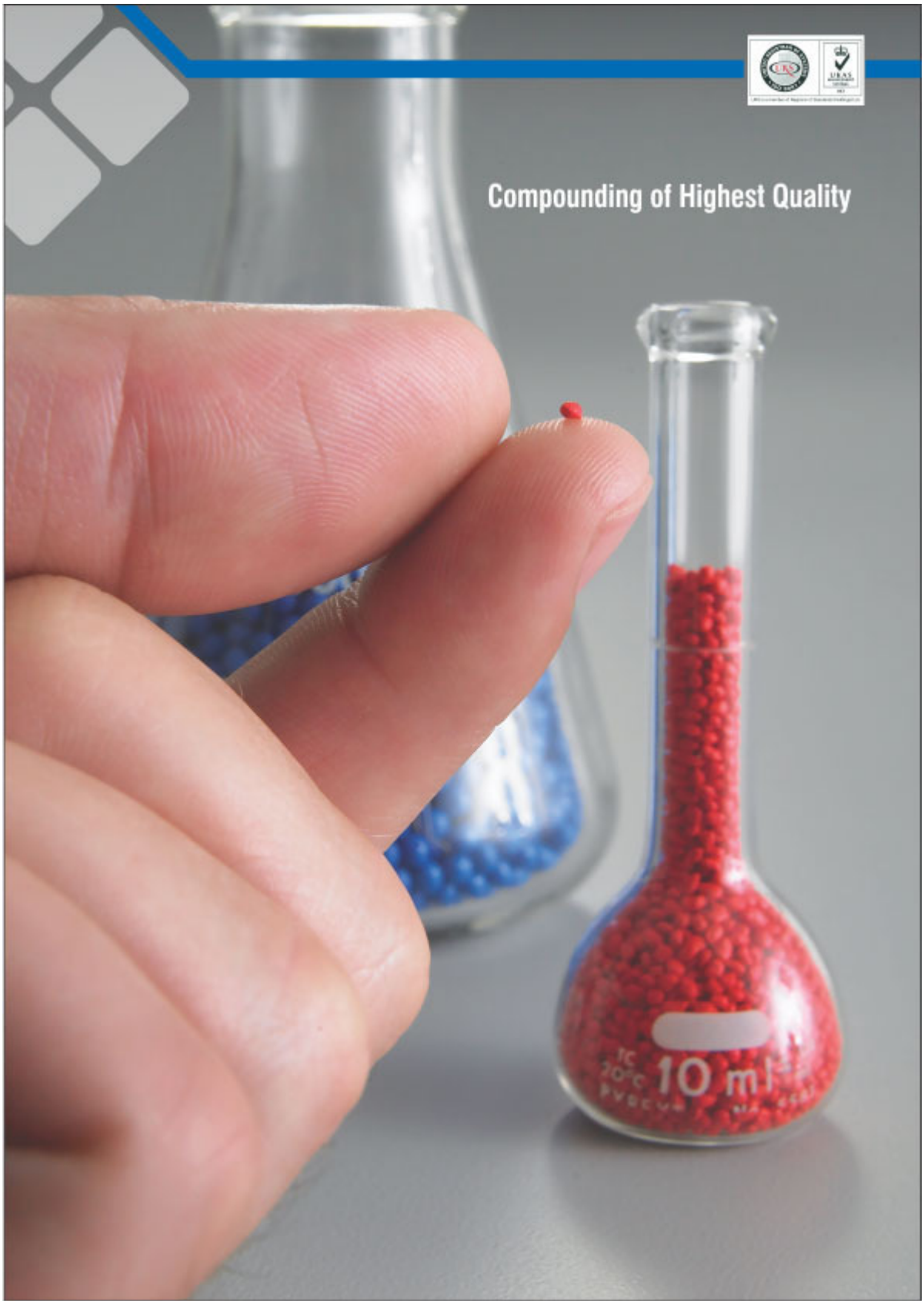
FLAT INLINE DRIP IRRIGATION PIPE EXTRUSION LINE

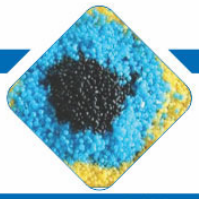
Production Line Technique Index For Flat Inline Drip Pipe

Extruder / kw/kg/hr	75 mm/ 55 kw/ 150-200kg/ hr
Line speed	30-90 mts/min
Cylindrical drippers maximum Transmission speed selection	300/ min/ servo controlled complete line controlled by-10.3"PVC touch panel
Emitter spacing	20cm above set arbitrary (Variable pitch settings)
Tractor speed	10-120m/min
Drilling speed	250/min
Line length	38m
Line width	3m
Rated power	90Kw
Vacuum tank	5 mtrs (Stainless steel)
Water tank	6x2 mtrs (Stainless steel)
Dripper insertion	Servo controlled
Dripper gluing	Servo controlled
1st and 2nd Haul-off	Servo controlled
Drilling	Servo controlled
Coiler	Automatic coil change

Salient Features of Flat Inline Drip Pipe Extrusion Line

- Maximum line speed of 90 mtrs / min
- Complete line is controlled by PLC 10.3" touch panel
- Dripper insertion is controlled by high precision servo motor
- Dripper is automatically screened centrifugally before insertion
- Vacuum tank is of stainless steel (6 mtrs long)
- Drilling is highly accurate by servo motor and controlled by PLC
- Drive to both the haul-offs is given through servo motor
- Two station coiling in synchronization with the line
- The coiling machine is fully automatic and can change the coils from first coil to the second coil after desired length is complete, and cut the pipe. Hence making the changeover fully automatic


Compounding of Highest Quality
10 ml



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PVC COMPOUNDING

Applications of PVC Compounding
- Medical • Foods Packaging • Industrial • Building & Construction
- Consumer and Institutional

Technical Specifications

Main Specifications	Single Screw Extruder					
Machine Model	Max. Plasticizing Capacity (kg/hr)	Max. Output (kg/hr)	Main Drive (kw)	Heating Barrel (kw)	Heating Die (kw)	Screw Speed Variation (RPM)
HPMC 90	120	100	22.5	12	3	20-50
HPMC 100	150	140	30	15	3	20-50
HPMC 120	225	225	45	20	3	20-40

For PVC compound of high filler up to 100 3HR, $CaCO_3$ for PVC profile. Soft PVC compound for cable & moulding

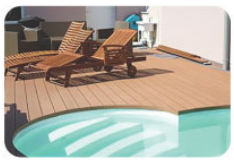
Technical Specifications

Main Specifications	Conical Twin Screw Extruder					
Machine Model	Max. Plasticizing Capacity (kg/hr)	Max. Output (kg/hr)	Main Drive (kw)	Heating Barrel (kw)	Heating Die (kw)	Screw Speed Variation (RPM)
HPMC 51/105	180	150	18.5	15	3	1-37
HPMC 65/132	275	250	37	24	3	1-37
HPMC 80/156	400	350	55	35	4	1-37

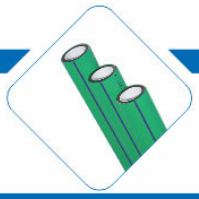
WOOD PLASTIC COMPOSITE PROFILE EXTRUSION LINE

WPC products have already been used successfully in many areas

- Building industry
- Furniture industry
- Automotive industry
- Measurement engineering



Technical Specifications		
Extruder	Main Motor Power (kw)	Productoin Capacity (kg/hr)
HPMC 65/132	37	100
HPMC 80/156	55	150
HPMC 80/56	110	200

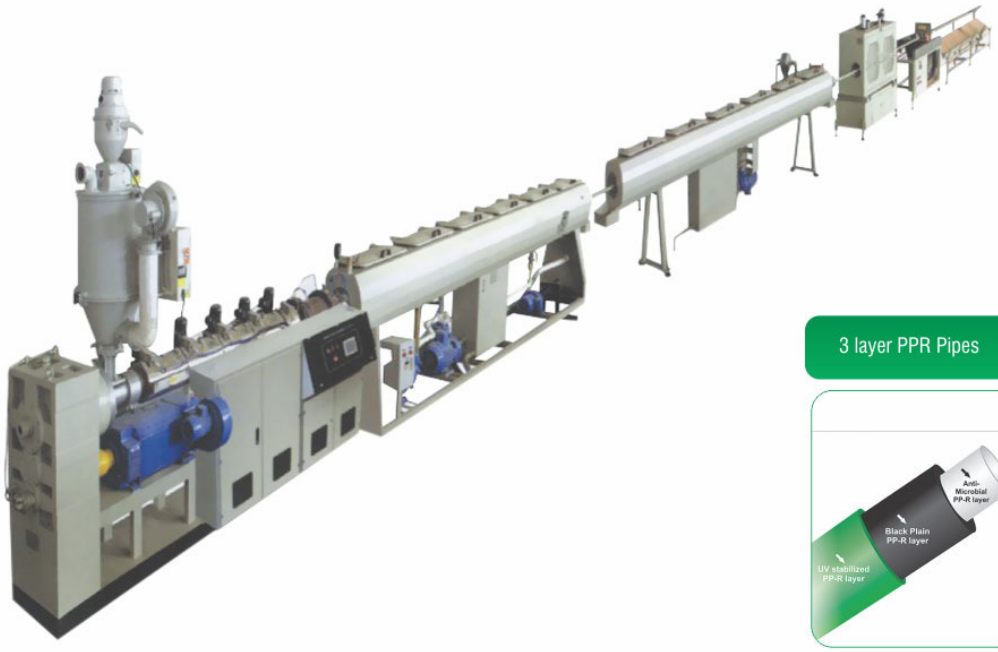


HPMC
EXTRUSION REDEFINED

PPR PIPE EXTRUSION LINE

Applications of PPR Pipes

- PPR pipes are used to build hot and cold water systems, including central heating systems. • Building heating system, including floor, wall and radiant heating systems. • Drinking water supply systems
- In the central (concentration) air-conditioning systems



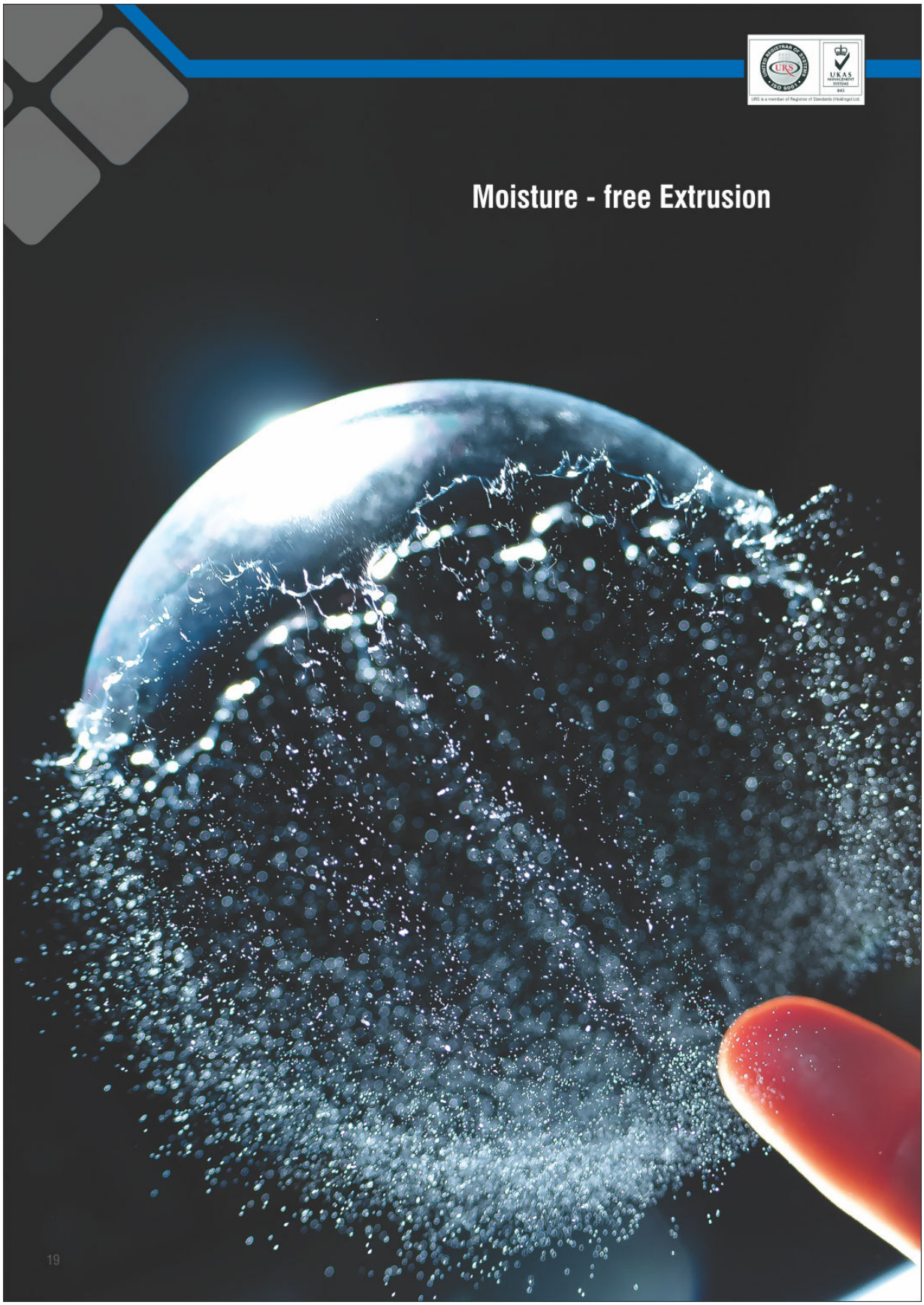
3 layer PPR Pipes

Advantage of PPR Pipe

- PPR-C stands for Poly Propylene Random Co Polymer. It is a water supply pipe used in construction. It is an internationally approved, high quality, environmentally friendly and energy saving pipe
- **It is lightweight :** Density is 0.89-0.92g / CM3, only i.e. 1 / 9 of steel pipe, therefore easy to transport and install
- **Fine anti – heat performance :** It is resistant to extreme heat/ cold and will not deform or give in between - 200 C and +950 environmental temperatures
- **Good anti- corrosion property :** It is resistant to corrosion and does not rust, decay or erode
- **Low heat conduction factor :** Heat conduction is 0.23-0.24W/ mk at 200C. It is much lower than that of galvanized steel pipe
- It endures to heat and high climatic temperatures. It reserves its original form, flexibility and chemical properties at high temperatures
- **Firm pipe fittings connection :** Because polypropylene has fine thermal casting performance. Thermal casting between the pipe and pipe fittings with the same material as an integration, it can prevent water from leaking
- The friction correlation is very low, the surface is clean and smooth and will not hold other particles to fill in cavities
- **Reasonable price :** The price of PPR pipe is near to that of galvanized pipe. The adhesion is very simple and easy by fusiotherm welding. Adhesion is firm and will not affect the inner diameter. In the three layer PPR pipe, the inner layer is anti-bacterial and the outer layer in UV (ultraviolet) rays resistant layer. It can be safely used for a duration of minimum 50 years. It is resistant to long term hot water transmission and under normal environmental conditions, enduring operational heat 700 -950. It does not absorb water, therefore may be safely used in hot temperature and humid climates

Technical Specifications					Vacuum Tank		Water Tank			
Model (Groove Feed Type)	Pipe Range (mm)	Capacity (kg/hr)	Main Motor (kw)	Haulling Speed (max. m/min)	Pump Drive (kw)	Length (mtrs)	Pump Drive (kw)	Length (mtrs)	Total Power (kw)	Line Length (m)
HPMC 65	16-63	90	37	2-8	2.2	6	3.7	-	80	30
HPMC 75	16-110	125	55	2-8	3.7	6	3.7	6	105	38
HPMC 90	63-160	160	75	2-8	3.7&2.2	6	3.7	6+6	140	50

Moisture - free Extrusion



HPMC
EXTRUSION REDEFINED

REPROCESSING PLANT - VENTED

Applications of Reprocessing Plant
• HIPS Granules • PP Granules • ABS Granules • LDPE Granules
• HDPE Granules • Polycarbonate Granules • Polystyrene Granules

HPMC's Vented Type Extruders are specifically designed for Degassing or Devolatilization purposes, thus adding to the functional capability of polymers.

Materials that can be processed from this plant :
PP, LD, HD, PE, HIPS, PS, ABS, PMMA, PC, PA and all types of engineering plastic

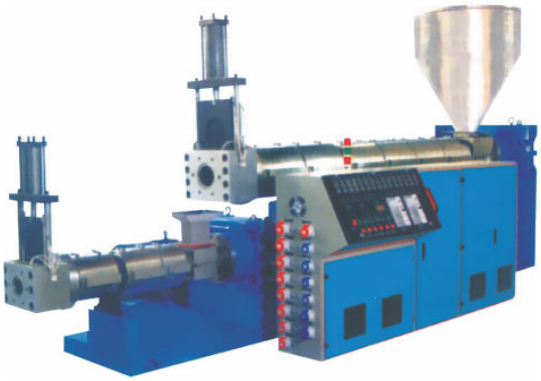
With many years of design, manufacturing experience and adopting international advanced technology, our company has developed different series of extruder on the basis of accepting the users' suggestions. The special high-efficiency venting screws are selected for this series of machine, which has excellent venting performance, and good plasticization. It is suitable for PP, LD, HD, PE, HIPS, PS, ABS, PMMA, PC, PA and all types of engineering plastic. It is especially suitable for processing the reclaimed material so as to reduce the cost of product greatly

When melted, many polymers emit vapors and gases which must be removed to prevent bubbles in the product. This can be accomplished in several ways - pre drying often is not sufficient and venting during extrusion is a great solution. The screw is designed from maximum efficiency and maximum mixing in conveying of the material with negligible heat. It is used for degassing of moisture and volatile through vent.

Model	Production (kg/hr)	Diameter of Screw (mm)	Main Motor (kw)	Heating Load (kw)	Hydraulic Screen Changer (Inch/HP)	L/D Ratio	Heating Zone	Rotating Speed
Extruder 90	80-100	90	22.5	15	8/3	33:1	6	50-70
Extruder 100	125-150	100	30	18	8/3	33:1	7	50-70
Extruder 110	150-175/200-225	110	37/55	22	8/3	33:1	10	50-70
Extrude 120	200-220/250-300	120	55/75	32	10/5	30:1	10	50-70
Extrude 150	400-500	150	110	40	10/5	30:1	14	50-70

REPROCESSING PLANT - 2 STAGE

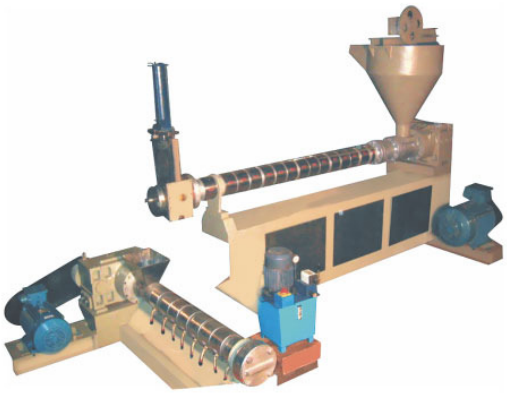
Applications of Reprocessing Plant
- HIPS Granules • PP Granules • ABS Granules
- LDPE Granules • HDPE Granules
- Polycarbonate Granules • Polystyrene Granules



Production 200 kg / hr for RAFIA, LD, HD, PP Paper from Waste

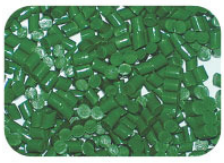
Two Stage Cascade Type Recycling Plant With Force Freeder and Dual Screw Diameter

- For the first time in India, production up to 200kg/hr from special design "DUAL DIAMETER OF SCREW" for reprocessing fo RAFIA, HD, LD, PP Paper from waste
- Two stage recycling plants is very useful for polymers which needs more filtration and the output of the material comes in a uniform flow
- The design eliminates or minimizes the shredding, grinding, densification and other preparation functions
- The combination of the greater feed capacity of the large diameter plasticizing section provides an effective and economical reprocessing
- Technique is based on "TWO STAGE EXTRUSION" for excellent filteration and material properties



Screw Design

DUAL DIAMETER (145 mm-110mm) design with a large diameter feed transitioning down to the smaller diameter main processing section. The flights are hard surfaced with Gas Nitriding with hardness from 65 HRC - 68 HRC.



Model	Production (kg/hr)	Dual Dia of Screw (mm)	Main Motor (HP)	Heating Load	Hydraulic Screen Changer (Inch/HP)	2nd Stage Extruder Screw Die(mm)	Main Motor (HP)	Heating Load (kw)	Heating Zone Panel (Nos.)	Feeder Motor (HP)
Extruder 100	140-160	135/100	40	18	7/3	110	20	6	10	2
Extruder 110	150-175	145/110	50	22	8/3	120	30	8	12	2
Extruder 120	175-200	170/120	75	28	10/5	125	40	12	14	3
Extruder 150	250-300	200/150	100	35	10/5	160	50	16	16	3

HPMC
EXTRUSION REDEFINED

REPROCESSING PLANT WITH COMPACTOR

Applications of Reprocessing Plant
• HIPS Granules • PP Granules • ABS Granules • LDPE Granules
• HDPE Granules • Polycarbonate Granules • Polystyrene Granules

This machine is used for recycling of woven bag/ PP Raffia. The bag can be fed directly without crushing. No grinder or agglomerator is required. Extruder is vented type for removal of volatile gases from the waste material. It is fitted with screen change for better performance.

Model	Belt Conveyor	Compactor Motor (kw)	Production (kg/hr)	Dia Screw (mm)	Main Motor (kw)	L/D Ratio	Hydraulic Screen Changer	Water-Ring Pelletizer Load (kw)	Vibrating Screen Motor Power (kw)	Dehydrating Machine Motor Power	Pump Conveying System Motor
Extruder 100	Magnetic frame with 1.1 kw Motor	55	200	100	45	33.1	8/3	2.2	1.75	5	3
Extruder 110	Magnetic frame with 1.5 kw Motor	55	300	110	75	33.1	10/3	2.2	2.2	5	3
Extruder120	Magnetic frame with 1.5 kw Motor	75	400	120	100	30.1	10/3	3.7	3.7	5	3.7

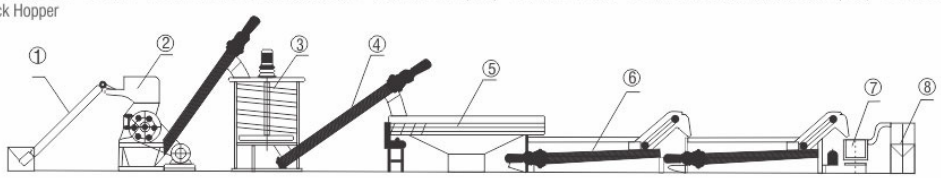
Eco-friendly washing before reprocessing

AUTOMATIC WASHING LINE

Applications of Automatic Washing Line
• Pet Film • Plastic Bottles • Blisters • Packaging Tray • Pet Strips

Pet Bottle And Sheet Products Wash, De-watering, Drying Sketch of The Flow Chart

• Conveying Belt • Crusher • Electric-Heated Washing Machine • Helical Feeder (Two) • Vertical Crusher • Double-screw Washing Machine (Two) • De-watering Machine
• Stock Hopper

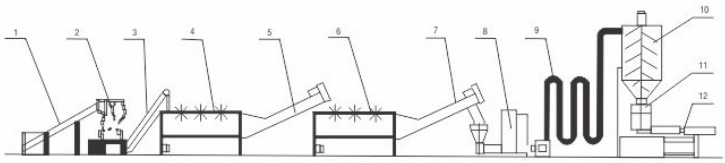


Process of Washing Line for PET Bottles

• Horizontal transporting belt (The workers can select the different bottles and big dirty material on this moving table and there is metal collector with this belt)
• Magnetic collector (To collect the metal mixed in bottles)
• Conveying belt (To transport the PET bottles to label separator and pre-washer)
• Label separator and pre-washing machine before crusher
• Conveying belt (To convey PET bottles to crusher)
• Crusher (By this processing, the caps and paper label can be separated from the bottles and PET bottles are crushed into flakes with water.)
• Feeding screw under crusher (To convey PET flakes after crusher to No.1 Rinsing washer)
• No.1 Rinsing washer (With cold water, some caps and paper label which are separated from PET bottles by crushing can be removed. Because of PP caps and paper label are lighter than PET flakes. They are on the top of the tank. There are four rectangle outlets with on the top of tank)
• Feeding screw (To convey PET flakes after No.1 Rinsing washer to Agitating washer)
• Agitating washer (Hot water, water inside can be heated and some washing detergent can be put into as well. Some paper label that are still stuck on bottles can be loosed and removed)
• Feeding screw (To convey PET flakes from Agitating washer to Horizontal friction washer)
• Horizontal friction washer
• No.2 Rinsing washer (With cold water, some labels, caps and dirty material that is separated from PET flakes by agitating and detergent can be removed)
• No.3 Rinsing washer (With cold water, some labels, caps and dirty material that is separated from PET flakes by agitating and detergent can be removed)
• Dehydrating machine
• Vibrating sieve
• Pump conveying system
• Hopper
• Control cabinet

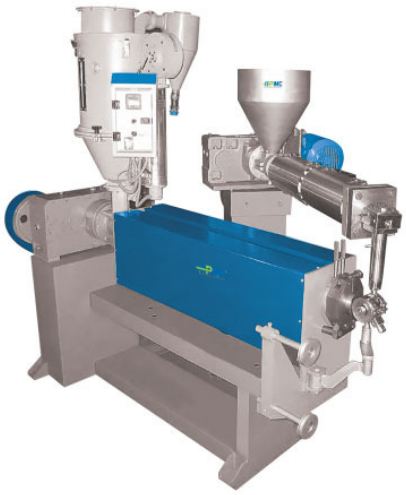
Piece Crushing, Washing, De-watering And Pelletizing Process for PP/HD/LD

• Raw materials conveying (With magnetic metal frame) • Crushing • Friction washer • No.1 Rinsing washer (With electrical heater) • Spiral feeding • No.2 Rinsing washer
• Spiral feeding • Centrifugal hydro-extracting dryer • Pump feeding with electrical heater • Hopper



CABLE EXTRUSION LINE

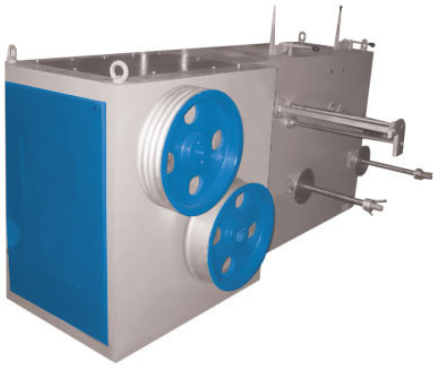
Applications of Cable
• Electrification • Automobile • Engineering



Two Layer Die Head

Double Pass Type Cooling Unit

- Stainless steel construction
- Cable is repeatedly wrapped around the deflection pulley.
- Water flow controlled by manually adjusted valves.



Capstan
- Efficient transmission of the tractive forces.
- Smooth transmission force.
- Essential for the best possible production.
- Cable diameter ranges from 10mm to 50mm.

Capstan Specifications

	HC 400	HC 630	HC 800	HC 1000
Wheel Dia	400	630	800	1000
Max. Traction Force (kg)	200	500	800	1000
Max. Dia of Cable (mm)	10	20	30	40
Max. Speed (m/min)	400	250	150	80
AC Drive (HP)	2	3	5	75

Extruder Specifications

Model	Motor Load (HP)	Max RPM	L/D Ration	Heating Power (kw)	Product Kg/hr (PVC)	Product kg/hr (XLPE)
45/30	10/5	70/70	26/26	10/5	60	-
45/45	10/10	70/70	26/26	10/10	80	50
65/45	20/10	70/70	26/26	12/10	120	85
100/65	40/20	60/70	26/26	22/12	280	200

Cross-Head
- Fixed center or die center.

Haul-off Caterpillar
- Pneumatically operated.
- Irregularities can easily pass through.
- Perfectly synchronized with the main extruder.

Screw Design
- Barrier design of screw gives homogeneous mixing.
- Groove design of barrel gives high output
- HPMC extruder gives high output value with excellent linearity. Extruders are fitted with powerful air blowers with jacket for perfect temperature control.
- Efficient production over a wide product range.
- Excellent result for insulation grade PVC, Sheathing grade PVC, XLPE, LDPE, FRLS and NYLON.

Extruder Specifications

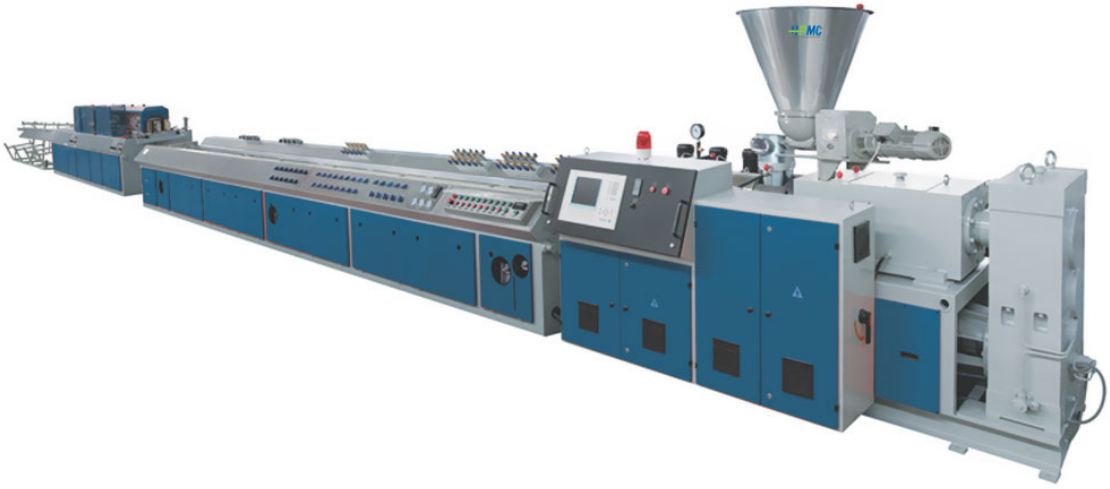
Model	Motor Load (HP)	Max RPM	L/D Ratio	Heating Power (kw)	Product kg/hr (PVC)	Product Kg/Hr (XLPE)
HPMC 30	5	70	26	5	20	-
HPMC 45	10	70	26	10	40	25
HPMC 65	20	70	26	12	80	60
HPMC 75	30	70	26	16	120	90
HPMC 90	40	60	26	20	150	115
HPMC 100	40	60	26	22	200	140
HPMC 120	60	60	26	30	350	250

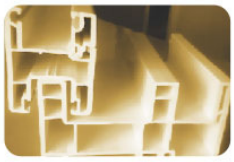
Haul-off Caterpillar Specifications

	Cat-4	Cat-8	Cat-12	Cat-16	Cat-20
Max line speed	200	160	125	100	80
Max traction force	400	800	1200	1600	2000
Max cable opening	60	100	120	160	160
Gripping length	900	1200	1500	1800	2100
Width of belt	80	100	120	160	160
Drive (HP)	3	5	7.5	10	15

PVC PROFILE EXTRUSION LINE

Applications of PVC Profile
- Bath Doors • Windows • Office Sealing
- Interior Partition and Decoration





Profile is used in various applications like bath doors, window, office sealing, interior partition and decoration. HPMC is a leading manufacturer of complete extrusion machinery for PVC Profile. With production capacity of up to 200 kg/hr and maximum panel size of up to 32", Conical Twin Screw Extruders are reputed worldwide for superior quality production and enabling higher calcium loading, thus reducing the manufacturing cost substantially. HPMC has successfully installed more then 200 Conical Twin Screw Extruder and more than 2000 Single Screw Extruder in India and abroad.

Technical Specifications

Main Specifications	Conical Twin Screw Extruder					Vacuum Sizing Stand		Pneumatic Type Haul-off		Cutting Saw	
Machine Models	Max Panel Size	Max Plastic Sizing Capacity (kg/hr)	Max Output (kg/hr)	Main Drive (kw)	Screw Speed Variation (RPM)	Pump (kw)	Length (mtr)	Drive (kw)	Width of Belt (mm)	Drive (kw)	Diameter of Screw (mm)
HPMC 65	8"	45	35-40	11	15-30	3.75	2	1.5x2	200	0.75	350
HPMC 75	8"	60	50-55	15	15-30	3.75	2	1.5x2	200	0.75	350
HPMC 120	30"	200	150-160	45	15-30	7.5	3	5	800	1.5	300
HPMC 51/105	12"	170	80-100	18.5	5-37	3.75	3	3	200-300	0.75	350
HPMC 65/132	30"	275	150-175	37	5-37	7.5	3	7.5	800	1.5	300

HPMC
EXTRUSION REDEFINED

PVC TRUNKING EXTRUSION LINE

Applications of PVC Trunking Extrusion Line
- Slotted PVC Trunking • Facilitates systematic wiring
- Permits faster connections, additions and fault tracing of wires
- Avoids bunching and taping

Our PVC trunking extrusion line is offered in various models for different sizes and different production capacities. We offer single screw and twin screw extrusion lines for trunking. The latest extrusion line offered by HPMC is to produce two sets of trunkings (Top & bottom) out of one machine at the same time. It helps bring down the production cost considerably.

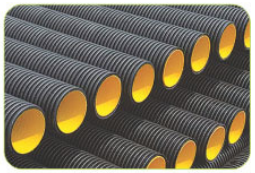
Salient Features:
- Barrier design (Double thread) screw for PVC trunking pipe for consistent melt homogeneity, excellent process control and stability for uncompromising end-product quality.
- Output rate up to 130 Kg/hr.

Technical Specifications

Main Specifications	Extruder								Vacuum Sizing Tank			Haul-Off	
Machine Models	Min. Size (mm)	Max. Size (mm)	Max Plastic Sizing Capacity (kg/hr)	Max Output (kg/hr)	Main Drive (kw)	Barrel (kw)	Die (kw)	Screw Speed Variation (RPM)	Pump Drive (kw)	Length (mtr)	Water Requirements Circulating	Belt Width (mm)	Drive (kw)
HPMC 65	16x16	25x32	45-50	35-40	11	8	3	5-30	2.25	3	300	100	0.75x2
HPMC 75	16x16	50x50	60-70	55-60	15	11	4	5-30	3.7	3	400	100	1.1x2
HPMC 51/105	16x16	100x50	170	60-130	18.5	15	5	1-37	3.7	3	400	150	1.5x2
HPMC 45/90	16x16	50x50	90	60	15	11	3	1-37	3.7	3	300	100	1.1x2
Dual 51/105	16x16	50x50	170	130	22.5	15	8	1-37	2.25x2	3	400	100	1.1x4

DOUBLE WALL CORRUGATED PIPE EXTRUSION LINE

Application of Double Wall Corrugated
- Storm Water Drain Pipes • Sewer Pipes
- Cable Conduits



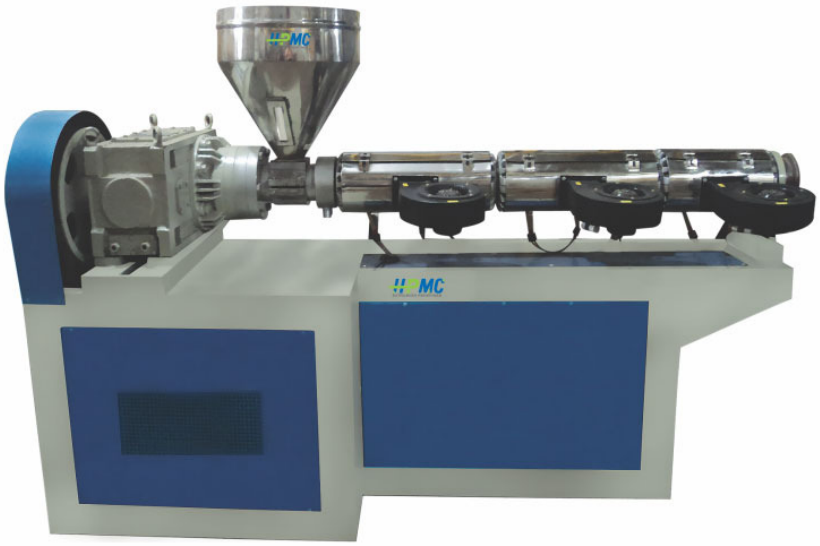
Technical Specifications

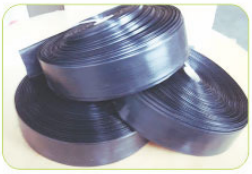
Name	Extruder		Mould (ID)						Corrugator	Water Tank	Cutter
	HPMC 120x33	HPMC 90x33	PE 225	PE 300	PE 400	PE 500	PE 600	PE 700	HPMC 1000	LQB 1000	QG 9030
Dimension (LxWxH) mm	4100x800x3000	3780x600x3000	-	-	-	-	-	-	7500x2800x3500	4000x1400x2100	4252x2100x2400
Total Power (kw)	300 (Max)	200 (Max)	-	-	-	-	-	-	60 (Max)	5.5	7.5
Model	HPMC 90X33	HPMC 90X30	PE 200	PE 225	PE 300	PE 400			SBCJ500	LQB500	QG6030
Dimension (LxWxH) mm	3780x600x3000	3400x560x300	-	-	-	-			4600x2120x2180	2000x1000x1500	4252x2100x2400
Total Power (kw)	200 (Max)	110 (Max)	-	-	-	-			20 (Max)	4	5.5

HPMC
EXTRUSION REDEFINED

LLDPE LAY FLAT PIPE PLANT

Application of LLDPE Lay Flat
• Air Lines • Chemical Lines • Fluid Lines • Food & Beverage
• Hospital Uses • Laboratory Uses • Wire Jacketing





Technical Specifications		Extruder		Water Tank			Haul-off	
Machine Models	Pipe Range	Output (kg/hr)	Main Drive (kw)	Barrel (kw)	Die (kw)	Screw Speed Variation	Length (mtr)	Motor (kw)
HPMC 75	2"-8"	50-60	15	8	2	15-45	3	1.5
HPMC 90	2"-8"	80-100	22.5	10	2	15-45	4	2.2
HPMC 100	2"-8"	125-150	30	14	3	15-45	4	2.2
HPMC 75/45	2"-8"	60-70	15/5	8/5	3	15-45	3	1.5
HPMC 90/55	2"-8"	100-120	22.5/7.5	10/5	3	15-45	4	2.2

HIGH SPEED MIXER / HIGH SPEED COOLING MIXER

High Speed Mixer

- A complete range of fully automatic mixer unit for the production of both rigid and plasticized PVC dry blends.
- The compact unit is monoblock construction.
- A unique mixing impeller using aerodynamic principles gives a rapid mixing action and fast frictional heating.
- Inner stainless steel and water jacket to attain equilibrium temperature.

High Speed Mixer

Mixer		HSM 150	HSM 200	HSM 250	HSM 500
Bowl-Gross Volume	Lts.	150	200	250	500
Bowl-Working Volume		100	160	190	400
Mixing Tool Capacity	R.P.M.	720	720	720	720
Motor Capacity	HP	20	30	50	100
Motor Speed	R.P.M.	1440	1440	1440	1440

High Speed Cooling Mixer

- A complete range of fully automatic mixer/cooling units for the production of both rigid and plasticised PVC dry blends.
- The compact unit are mono-block construction.
- The combined unit consists of a separate mixer, cooler and operators platform giving flexibility for installation and maintenance.
- A unique mixing impeller, using aerodynamic principles, gives a rapid mixing action and fast frictional heating.
- The cooler with large water cooled surfaces gives a cooling time generally faster than the mixer heating time.

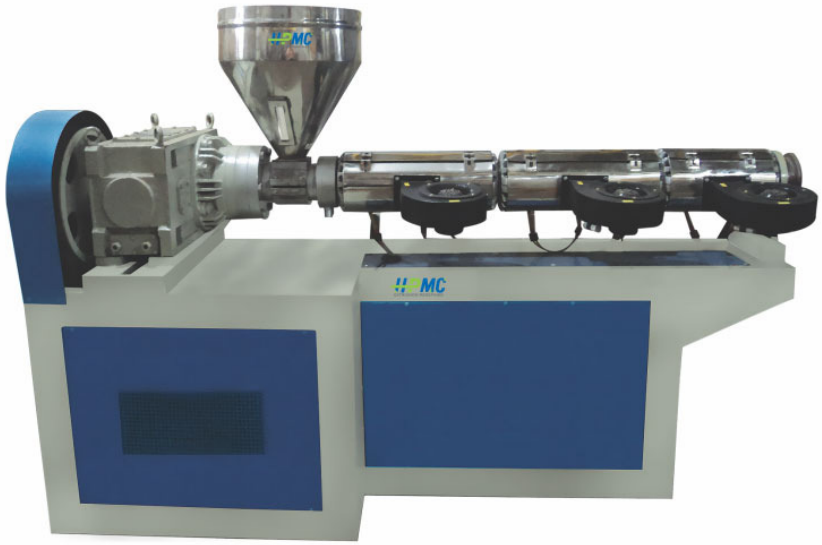
Heater Cooler Mixer Combination Mixer / Cooler Unit

		HSM 100 CM 200	HSM 165 CM 300	HSM 200 CM 500	HSM 300 CM 600	HSM 500 CM 1000
Mixer		HSM 100	HSM 165	HSM 200	HSM 300	HSM 500
Bowl-Gross Volume	Lts.	100	165	200	300	500
Bowl-Working Volume		80	132	160	190	400
Mixing Tool Capacity	R.P.M.	720	720	720	720	720
Motor Capacity	HP	20/5	30/7.5	40/10	60/15	75/20
Motor Speed	R.P.M.	1500	1500	1500	1500	750

SOFT PVC GARDEN PIPE EXTRUSION LINE

Application of Garden Pipe Plant

- To provide water connections to bathrooms, kitchens, sinks and lavatories
- Water supply and distribution in complexes, houses, flats, offices, hotels etc
- Hospitals and public places
- Water distribution in villages and colonies through wells and over-head tanks



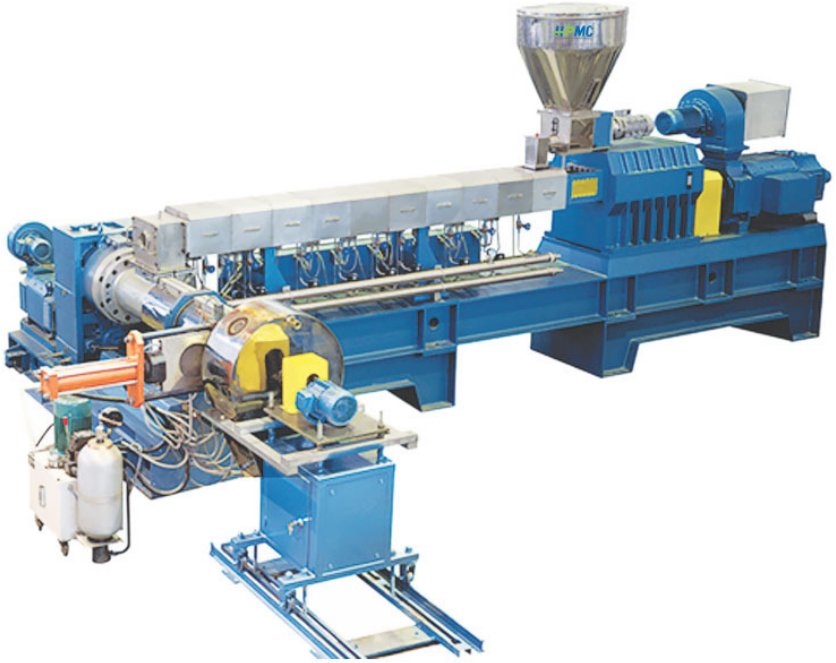
Technical Specifications

Main Specifications			Extruder				Water Tank	Haul Off
Machine Models	Pipe Range	Output (kg/hr)	Main Drive (kw)	Barrel (kw)	Die (kw)	Screw Speed Variation	Length (mtr)	Motor (kw)
HPMC 75	½"-2"	50-60	15	8	2	15-45	3	1.5
HPMC 90	½"-2"	80-100	22.5	10	2	15-45	4	1.5
HPMC 100	½"-2"	100-130	30	12	2	15-45	4	2.2
HPMC 75/45	½"-2"	70-80	15/5	8/5	3	15-45	3	1.5
HPMC 90/55	½"-2"	120-130	22.5/7.5	10/5	3	15-45	4	2.2

CO-ROTATING TWIN SCREW EXTRUDER FOR SOFT CABLE GRADE PVC

Application of Co-rotating Twin Screw Extruder

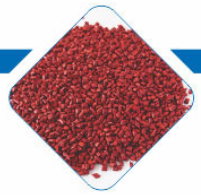
- Plastic and polymer application • Direct compounding
- PVC soft cable grade compounding
- Inline compounding • Compression and injection molding • Film and sheet extrusion • In production of master batches, natural and wood fibre composites, plastic alloys, etc. • Recycling



Features of Co-rotating Twin-screw Extruder : Homogeneity, plasticization, filling modification, enhancement, recovery and granulation

- The newly designed torque distribution system, high-precision grinding of hardened gear teeth, and the interlocking of lubrication system are among the reasons for the good reliability of gearbox
- Both screws and barrels are designed using the building block principle. The screw configuration, barrel setup, screw L/D, the number and protocol of feeding and venting, screen change, way of granulating, and the electric control mode are optimally adjusted according to different material properties and process requirements, in consideration of the machine's versatility in other general applications
- Matched with single screw feeder or twin screw feeder; feeding smoothly and ensures easy operation
- It is provided with die face cutter and vibratory sieve

Model	20	30	35
Screw Diameter (mm)	21.7	30	35.6
Rotary Speed (RPM) Max	600	400	600
Main Motor Power (kw)	4	11	11/15
L/D	32-40	28-48	32-48
Capacity (kg/h)	2-10	5-30	10-80



- **Polymer with 80% Talc in single process**
- **Polymers with 50% Glass Fibre in single Process**

HPMC introduces Co-rotating Twin Screw Extruders for economical production of long fibre reinforced components.

Benefits

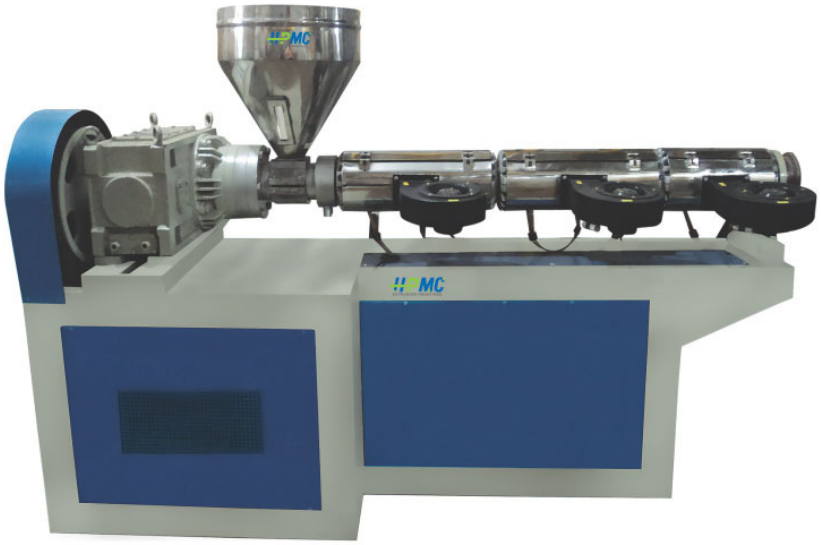
- Longer L/D ratio results in optimum power consumption and higher production
- Co-rotating twin screw extruder is best suitable for the material that needs rigorous mixing like different master batches
- It can be fitted with up to 3 side feeders to add talc up to 80%, or glass up to 50%, or other materials to add different properties to the material

50	65	72	92
50.5	62.4	71.2	91
500/600	400/500	400/500	400/500
37/45	55/75	90/110	220/250
32-48	32-48	32-48	32-40
20-150	100-300	300-600	600-1000

SINGLE SCREW EXTRUDER FOR PVC PIPE

Applications of PVC Pipe

- Drain-waste-vent (DWV) • Sewers • Water mains
- Water service lines • Irrigation • Various industrial installations • Electrical conduit SWR pipe
- Electrical piping system • Underground duct



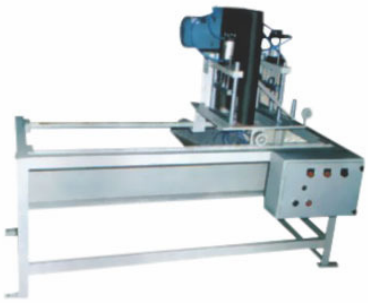
Caterpillar

- Drive is given through separate geared motor for both the rollers of the haul-off
- It prevents wrinkles on pipe and gives smooth flow of the pipe

Main Specifications	Extruder							
Machine Model	Min. Pipe OD (mm)	Max. Pipe OD (mm)	Max. Plasticizing Capacity (kg/hr)	Max. Output (kg/hr)	Main Drive (kw)	Heating Barrel (kw)	Heating Die (kw)	Screw Speed Variation (RPM)
HPMC 65	16	50	60	40	11	8.00	2	15-35
HPMC 75	40	110	90	70	15	12	5	15-35
HPMC 90	63	160	120	100	22.5	15	5	15-35
HPMC 100	63	200	140	120	36	18	5	15-35

Die Head
- Die head for smaller sizes of pipe ranges from 16mm - 50 mm with stainless steel spider.
- Dia head for bigger sizes of pipe ranges from 40mm - 160 mm with stainless steel spider
- Lattice type die head specially designed for PPRC pipe.

Cooling Unit
- Vacuum tank for smaller sizes of pipe ranges from 16 mm - 50 mm for better control and proper sizing of the pipe.
- Water tank with sprays and without sprays for cooling of the pipe.



Cutting Saw
- Fitted with pneumatic cylinder for proper gripping
- Limit switch is provided to sense the preset length of the pipe.

Tipping Chute
- Fitted with pneumatic cylinder for proper gripping.
- Limit switch is provided to sense the preset length of the pipe.

Vacuum Sizing Tank			Cooling Tanks		Haul - Off		Cutting Saw	
Pump Drive (kw)	Length (mtrs)	Water Requl Rements Circulating (ltr/mm)	Length (mtrs)	Water Requirement Circulating (ltr/mm)	Drive Range (kw)	Pulling Speed (mtr/min) Range I	Saw Dia (mm)	Saw Drive Load (kw)
0.75	3	450	-	-	0.75	0.5 to 2.0	300	0.75/2800
-	-	-	3.0	450	1.5	0.4 to 2.0	400	0.75/2800
-	-	-	4.0	500	2.2	2 to 6	500	1.5/2800
-	-	-	4.0.	500	2.2	2 to 6	500	1.5/2800

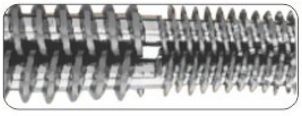
SCREW & BARREL

Barrier Screw (Double Thread)
This eliminates unnecessary degradation and has improved rate, lower melt temperature, and improved melt quality.
Suitable for PVC Pipe (Rigid/Flexible), PVC Profile (Rigid/Flexible), PVC Cable, ABC, Polythelene.

Single Thread Screw
Screws are specially designed with different compression rations for different end products.
Suitable for PVC Film (Soft/Rigid/Shrink), PVC Profile (For wood pattern), Compounds (All kinds of compounds), Injection Moulding Screws.

Moddoc Barrier Screw
This screw is specially designed for materials that require rigorous mixing.
Suitable for HDPE Pipe, XLPE Cable, Lay Flat Pipe, LLDPE Tubing, PP Film, HM.

Conical Twin Screw
Conical twin screw are best suited for PVC pipe, Profile, and Compound & sheet. It can be provided with the same fitting size as of CM55, CM65, CM80. It give homegeneous mixing for PVC.



Vented Screw

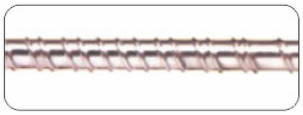
It is best suitable for recycling of PP/HD/LD/HIPS/PC/ABC and other engineering compounds. The screw is designed for maximum efficiency and maximum mixing in conveying of the material with negligible heat. It is used for degassing of moisture and volatile through vent.

Maillefer

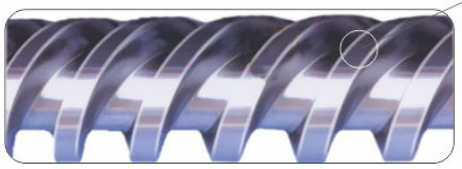
Maillefer original Nokia design for high output & better mixing of cables.

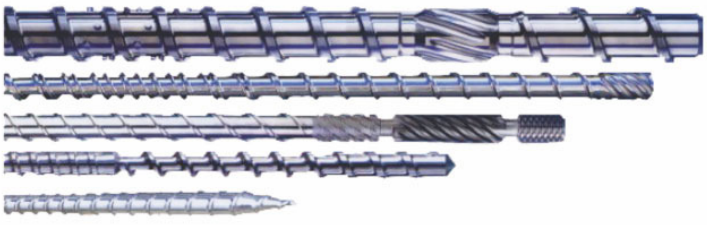
Bimetallic Screw & Barrel

Bimetallic layer on surface of screw and barrel gives high wear resistance to abrasive material. This results in long life period of screw and barrel. The maximum layer of bimetallic can go up to 6 mm. It is highly beneficial for manufactures using high filled compounds such as calcium carbonate, glass filled.



Bimetallic Layer






Our clients fully
rely on us

OUR CLIENTS & TESTIMONIALS

I am glad to inform you that the extruder that we have purchased from you has been installed and commissioned successfully in our factory. The machine is running satisfactorily since then. We are happy with the quality, rated output and power consumption per kg output. We are also pleased with your service and after sales support.

G.P. Rajan, Crown Industries, Kingdom of Bahrain

We appreciate the quality of your plant and are very happy with the output capacity. Your plant has helped us increase our production and we are saving ample power. The manpower requirement is also minimum, and the plant runs smoothly and cost effectively.

Vishal Kadakia, Kadakia Plastics & Chemicals Pvt. Ltd., Mumbai

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With immense satisfaction, I have to tell you that our trust in your company has really paid off. The CONICAL TWIN SCREW EXTRUSION LINE FOR DUAL CONDUIT with output of 150 kg/hr has been installed and commissioned successfully at our Bahalagarh unit. The machine is producing very high quality pipe and we are getting an output of 160 kg/hr, even on size as small as 25mm without any problem.
Congratulations for bringing world class conical screw technology to India.

Rajiv Sethi, Kalinga Cables & Conduit Co., New Delhi

Extrusion plant that we purchased from HPMC has lived up to our expectations in terms of quality of machine, reliability, production rate, and also the quality of end product. We are also satisfied with their after sales support.

Ali Hassan Sulaiman, Kalister, UAE

HPMC Plants are amazingly superior in terms of energy consumption and output. The performance is excellent and we are satisfied with the consistency in quality and output. Competency level of service engineers are admirable and undisputedly the best in industry.

Praveen Lath. Nimbus Industries, Kolkata

Takkar Industries

Pragati Industries

Kalyani Pipe | Shakti Industries | Arihant Ploymers | Al Hilal Industries | Manju Shree Industries | Jeetender Industries

Disclaimer

Due to our constant upgradation and modernization of machines, specification may vary without prior notification.
Images are for indicative purposes only.

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