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**PLASTIC  
EXTRUSION**



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Φ16-2500MM  
PE HIGH SPEED HIGH EFFICIENCY  
EXTRUSION SOLUTION





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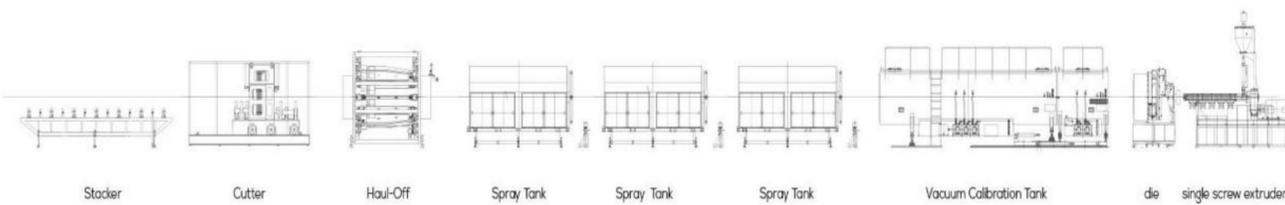
Φ16-2500MM  
PE HIGH SPEED HIGH EFFICIENCY  
EXTRUSION SOLUTION

Main Technical Parameter

Model	Pipe range(mm)	Extruder model	Extruder motor power(kw)	Max. Output(kg/h)
BRD-63	φ20-63	BRD60/38	90	450
BRD-110	φ20-110	BRD60/38	110	500
BRD-160	φ40-160	BRD60/38	110	500
BRD-250	φ50-250	BRD75/38	160	680
BRD-450	φ180-450	BRD90/38	250	1000
BRD-630	φ280-630	BRD90/38	280	1100
BRD-800	φ315-800	BRD120/38	315	1300
BRD-1200	φ500-1200	BRD120/38	355	1400
BRD-1600	φ1000-1600	BRD90/38&BRD90/38	250+250	2000
BRD-2000	φ1000-2000	BRD90/38&BRD90/38	280+280	2200

FEATURES:

- a-The optimum spiral bush highly improves the output of extruder
- b-Accurate temperature control system ensures material melting performance
- c-Unique screw design achieves better plastobizing and high quality products
- d-Precisely designed gearbox with a high torsion guarantees stable running
- e-H sharp frame to decrease vibrating of extruder
- f-Advanced PLC operation system realizes synchronization and high quality products
- g-Adopt automatic water temperature & level control and special independent filters on both vacuum and cooling tanks
- h-Offer stable haul-off unit with 2-12 caterpillars
- i-Provide saw & chip free cutting options
- j-Low energy consumption, excellent performance, and easy maintenance



PE PIPE APPLICATION:

polyethylene is now in widespread use in many industries particularly industrial piping systems, including underground gas and water pipelines, where it is the dominant material.

Φ16-63MM PP PE PE-RT PPR  
HIGH SPEED HIGH EFFICIENCY  
EXTRUSION SOLUTION



**MULTI-LAYER PP-R  
PIPE PRODUCTION LINE**

Hot PP-R 4 layer pipe production line, which has been successfully running in Germany and Middle East markets, widely satisfied and approved by customers.

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- 1. Internal layer PP-R:30%  
The internal layer made from high grade polypropylene granulate features the colour coding of the pipe and is used to guarantee the renowned safe processing as well as to protect the middle layers.
- 2. Second layer Glass fiber compounding:30%  
The PPR glass fiber compound is the result of detailed research carried out at the Baier Polymer-Engineering division and is a new development in this field. The perfect interaction between the corresponding glass fibres and the PP-R provides outstanding properties in terms of linear expansion, deflection and low-temperature impact strength.
- 3. Intermediate layer PP-R:30%  
Improved long-term stress behavior with longer periods of operation especially at higher temperatures.
- 4. External layer PP-R CT:10%

**PP-R PIPE**

**APPLICATION**

1. Underfloor heating
2. Central heating installations in houses and industries
3. Industrial transportations chemical fluids and gasses
4. Conveyance of potable water
5. Special applications undersea networks, networks with a high risk of electrochemical corrosion etc
6. Hot and cold water transportation



**Main technical parameter**

Pipe range	Extruder model	Motor power	Max. Output (kg/h)
20-83	BPD50/38	55	220-250
	BPD50/38	55	
20-160	BPD80/38	90	450-500
	BPD50/38	55	

Φ16-1000 series PVC pipe extrusion line is mainly used in manufacturing the pipe for agricultural and constructional plumbing, cable laying etc. This line is composed by conical twin-screw extruder, mould, vacuum calibration tank, haul-off, cutter and staker etc. The extruder and haul-off adopt imported AC frequency control device, vacuum pump and haul-off motors adopt high-quality brand.



The haul-off methods are two-claw, three-claw, four-claw, six-claw, eight-claw etc. you may choose saw cutting type or planetary cutting type. It is additionally attached with the length counter and intensifying device. The equipment is with the reliable performance and high production efficiency.

Our company can also manufacture special pipe production lines, eg. Spiral slencing pipe and core foaming pipe according to your requirements.

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## Φ16-1000MM PVC PIPE EXTRUSION SOLUTIONS



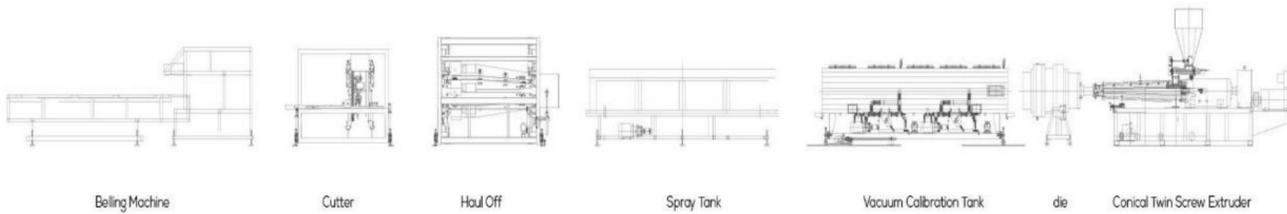
### PVC PIPE

#### APPLICATION

1. Conveyance of water, under pressure
2. Sewerage piping systems
3. Drainage piping systems
4. Electrical, telecommunications engineering pipeline

#### Main Technical Parameter

Pipe range(mm)	Extruder model	Extruder motor power(KW)	Capacity(tg/h)
Φ16-63 Dual pipe	SJ255/132	37	280-350
Φ50-110 Dual pipe	SJ250/156	55	400-550
Φ50-160	SJ255/132	37	280-350
Φ75-250	SJ255/132	37	280-350
Φ110-315	SJ250/156	55	400-550
Φ160-450	SJ250/156	55	400-550
	BRP50/28	87	550-800
Φ315-630	SJ250/188	110	750-850
	BRP107/28	90	750-850
Φ710-1000	BRP135/28	160	1100-1200



## BRL-WN SERIES HORIZONTAL MIXING UNIT

### FUNCTION AND STRUCTURE

It is used in mixing, stirring, drying, coloring of plastics, rubber-chemicals for daily use. It is an ideal advance equipment of producing plastic board, pipe, profile and degradation plastics.



BRL-WH	Heat/cool	Heat/cool	Heat/cool	Heat/cool
Total volume(L)	500/1600	800/2500	1000/3000	800*2/4500
Effective capacity(L)	330/1000	600/1500	700/2100	1200/3000
Stiring speed(rpm)	430/860/70	370/740/60	300/600/50	350/700/50
Mixing time	8-15	8-15	8-15	8-15
Motor power(kw)	55/75/15	83/110/22	110/160/30	83/110*2/45
Weight(kg)	4200	5500	6500	8000
Output(kg/h)	825	1320	1650	2640

## BRL-LN SERIES VERTICAL MIXING UNIT

### FUNCTION AND STRUCTURE

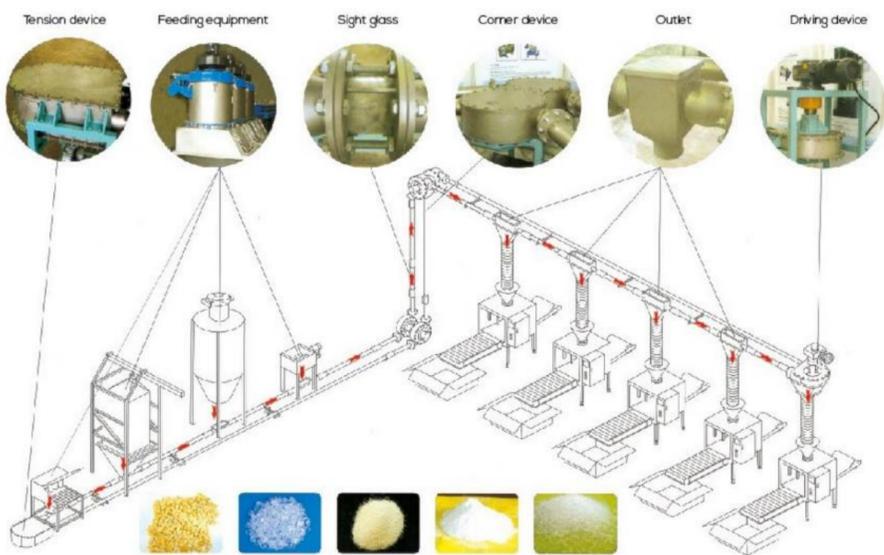
BRL-LN series mixer units are widely used in mixing, drying, coloring for all kinds of resin such as PVC, PP, PE. They can also be applied in dryness of ABS, polycarbonate, and mixing hydroxybenzene, Alde Hyde resin.

This unit is composed of one hot mixing pot and one cooling pot, the materials from hot mixer will be filled into the cooling mixer automatically, so it and eliminate humidity, and protect from agglomeration.

BRL-LN	Heat/cool	Heat/cool	Heat/cool	Heat/cool
Total volume(L)	100/200	200/500	300/600	500/1250
Effective capacity(L)	65/130	150/320	225/380	330/750
Stiring speed(rpm)	650/1300/200	475/950/130	475/950/100	430/860/70
Mixing time	8-12	8-12	8-12	8-12
Motor power(kw)	14/22/7.5	30/42/7.5	40/55/11	55/75/15
Output(kg/h)	165	330	495	825

We digest and absorb foreign advanced technology in making mixer, which adopts the vacuum mixing principle. The electric meters all adopt imported famous brands and adopt PLC controlling, which has character of high automation, quick mixing, the blade is precisely cast of stainless steel and treated by dynamic and static balancing. Especially, the blades of cooling machine adopt the advanced spiral stirring structure, which avoid dead angle, and with the feature of quick cooling, thoroughly discharging; high efficient of mixing.





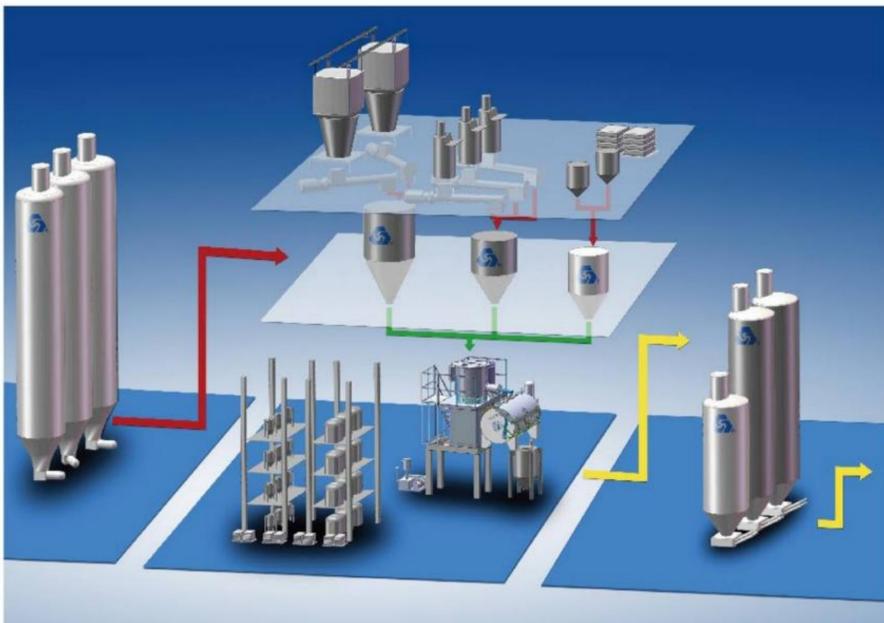
# COMPOUNDING SYSTEM & MIXING UNIT

## SHR SERIES HIGH-SPEED MIXER

### FUNCTION AND STRUCTURE

SHR series mixers are mainly used for mixing, coloring, drying and etc, in plastics, rubber, food-stuff, daily chemical industry and so on.

SHR series mixers adopt advanced design and can be operated easily, safely and reliably. They have small size, light weight high efficiency, low energy consumption and low noise.



Model	Capacity(L)	Effective capacity	Motor (KW)	Main Shaft Speed(rpm)	Heating method	Discharge method	Output(kg/h)
SHR-5A	5	3	1.1	1400	Self-friction	Hand	8
SHR-10A	10	7	3	2000			16
SHR-50A	50	35	7/11	750/1500	Electric	Pneumatic	82
SHR-100A	100	75	14/22	650/1300			165
SHR-200A	200	150	30/42	475/950			330
SHR-300A	300	225	40/55	475/950			495
SHR-500A	500	375	47/67	430/860			825
SHR-800A	800	600	83/110	370/740			1320
SHR-200C	200	150	30/42	650/1300	Self-friction	Pneumatic	330
SHR-300C	300	225	47/67	475/950			495
SHR-500C	500	375	83/110	500/1000			825

# PLASTIC PROFILE & BOARD EXTRUSION

## WPC PROFILE & BOARD APPLICATION

For building materials, home decoration, industrial products, such as outside decking, floor, wall panel, railings, and etc.

## PVC PROFILE APPLICATION

Mostly used in Building & Construction Industry, for example door panel and frame, window frame, edge banding etc.

## WIDE DOOR BOARD EXTRUSION

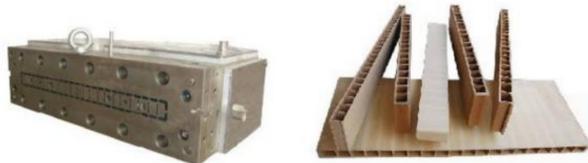
### APPLICATION

Our company successfully developed PVC wood-plastic foamed plate production line. The product of wood-plastic foamed plate collects advantages of wood and plastic. It not only has natural wood face, but also conquers nature wood shortage. It has good processing ability which is similar to wood; It can be processed by saw, ingot, and dig, just use wood tools. The force is much better than normal wood. It has physical characteristics, such as resistant to compression, resistance to impact and others, which are similar to hard wood, and its durable function is clearly better than normal wood, wood-plastic material and the products can be resistance strong acid and alkali, water proof, corrosion resistance, besides, germ cannot breed on it. It is not moth-eaten, it can be aging resistance, static electricity resistance, flame retardant.

The product can be used in making building template, toy board, tray, package box, sleeper, outdoor floor, railings, garden chair and other outdoor facilities, indicating plate, circulating box, roof beam etc.

Main Technical Parameter

Specification	Width mm	Thickness mm
A	≤1220	20
B	≤1220	25
C	≤1220	30



## PVC PROFILE EXTRUSION LINE

### APPLICATION

- Particular designed conical twin screw for PVC powder raw materials
- Adapted to different moulds for different Pvc profiles
- with special designed vacuum calibration platform, haul-off and cutter, stacker.
- Adopt with full aspects efficient water mist cooling on profile.



## WOOD-PLASTIC PROFILE EXTRUSION LINE

### APPLICATION

Fetching in Europe and America advanced technology and uniting with domestic condition, our company develop this production line. It possesses the features such as novel style, reasonable structure and friendly operation. The main extruder in this line, manufactured by our company, matches with auxiliary machines and die head. This production can realize full automatic control from feeding to staking. Meanwhile each machine can be regulated manually. It possesses the advantages such as high elasticizing capacity, low energy consumption, high productivity performance cost value and long life. It's the best selecting equipment to produce all kinds of plastic profile.



## PC PMMA PS MS SHEET PRODUCTION LINE

### APPLICATION OF PMMA BOARD (ACRYLIC BOARD)

Used in the instrument widely, the part of the instrument, lamp and lanterns, decoration, construction material, the plane, auto fittings, medical equipments, arts, and crafts product, the insulating material of the electric apparatus, the sample, the sign and various light industry, culture and education, and daily life articles, etc.

### PS ELECTRICITY CONDUCTIVE BOARD

Mainly used for packing of semi-conductive electric components, computer products which requires no dust, not static electricity, no radio frequency, and it can be used for vacuum packing the food, medicines, hardwares, electronic products, toys and other products.

### APPLICABLE SCOPE OF PC ENDURANCE BOARD

Garden ,the recreation place, decoration and the corridor pavilion; Internal and external ornaments in the commercial building, curtain wall of the modern urban building; transparent container of aviation, the windscreen before the motorcycle, the plane, the train, the steamer, the submarine, army and police's shield, the telephone booth, advertising signpost, the advertisement of the lamp houses, the expressway and overhead way of the city partition protective screen.

#### Main Technical Parameters

Model	BR120/38-1220
Material	PC, PMMA, PS
Products Width	1220mm
Products Thickness	1.5-4mm
Extruder Specification	120/38
Capacity(Max)	350-400kg/h



## PP PE PS ABS SHEET EXTRUSION LINE

- The screw was designed by special mixed material and high plasticity, so that flux plastic, coloury, high output.
- T-die was designed by special double throttle, it make sure sheet thickness more nicety.
- Temperature control  $\pm 1$ , it will exactly control plasticity process, sheet thickness.
- Forming roller platform adopts vertical or 45 degree inclined collocation, which can lift up and down, it supplies more options in operations in operation for producing thick board thin board, and enhance quality of board.
- Forming roller loop cooling system, matching with mould temperature controller to control temperature, which ensures even thickness of board.
- Shearer can precisely cut the board.
- Winder device, which adopts high grade torque motor, matching with four-axis automatic tension controlling, which can adjust speed and winding tension to get even surface for thin board, also with slitting device can set width of product as you want, we fix automatic meter counter which can set the length of product.

