



BRILLIANT TECHNOLOGY CO., LTD
BRILLIANT TECHNOLOGY INTERNATIONAL CO., LIMITED

Increase Your Productivity
Minimize Your Maintain Cost
Improve Your Profitability



ABOUT US

Founded in 1995, Brilliant Technology are a professional manufacturer and exporter of extrusion machinery for plastics industry over 25 years.

We always believe "Quality is everything". We are very strict with every small step and utmost to make it perfect in manufacturing. This is the only reason why our customers choose us during lots of companies.

"Brilliant Technology, Let's Make Your Plastics Brilliantly!"

What Make Brilliant Technology Different With The Other Companies



ISO 9001:2015 Certificated

We have passed ISO9001:2015 quality management system certificate and are trusted by our customers with our advanced technology and high quality.



Standard Operation Process (SOP)

All of our customers' orders will be handled with our standard operation process. We deeply believe under SOP any tiny mistake could be avoided to guarantee the orders run fluently.



One-Stop Service (OSS)

Our conscientious sales managers will be the CONTACT WINDOW and in charge of the whole order. This is an easiest way of communication between customers and us.



Professional Team (PT)

Our sales, R&D, technical and design, production, QC and QA, after-service and financial departments will work tightly as a professional team and meet all of our customers' needs.



Parallel Twin Screw Extruder

Model BTP series parallel twin screw extruder is a kind of special equipment for extruding PVC powder. With different types of molds and downstream equipments, it can produce all sorts of PVC plastic pipes, profiles, boards, sheets, bars and pellets.

Product Features:

- Integrated reduction/distribution gearbox.
- Screw and barrel with latest design and bimetallic coating for optimum life span.
- Quality components with less problems.
- High output with low energy consumption.

TECHNICAL SPECIFICATIONS:

FOR PIPE EXTRUSION

MODEL	BTP75/28	BTP93/28	BTP114/28	BTP135/28
MOTOR POWER (kW)	37	75	110	160
SCREW DIAMETER (mm)	75	93	114	135
L/D RATIO	28:1	28:1	28:1	28:1
MAX. OUTPUT (kg/h)	350	460	680	1100
WEIGHT (kg)	4100	4700	6500	840

FOR PROFILE EXTRUSION

MODEL	BTP75/26	BTP93/26	BTP114/26	BTP135/26
MOTOR POWER (kW)	22	37	55	90
SCREW DIAMETER (mm)	75	93	110	130
L/D RATIO	26:1	26:1	26:1	26:1
MAX. OUTPUT (kg/h)	220	380	460	680
WEIGHT (kg)	4100	4700	6500	840

FOR BOARD & SHEET EXTRUSION

MODEL	BTP90/23	BTP93/28	BTP114/28	BTP120/23	BTP130/23
MOTOR POWER (kW)	37	55	75	90	132
SCREW DIAMETER (mm)	90	105	113	135	130
L/D RATIO	23	23	23	23	23
MAX. OUTPUT (kg/h)	300	400	500	600	800
WEIGHT (kg)	4500	6000	6500	7000	8000



Conical Twin Screw Extruder

Model BTC series conical twin screw extruder is a kind of special equipment for extruding PVC powder. With different types of molds and downstream equipments, it can produce different kinds PVC plastic pipes, profiles, boards, sheets, bars and pellets.

Product Features:

- Safety overload shut-off.
- Screw and barrel with latest design and bimetallic coating for optimum life span.
- Vertical gearbox for easy maintenance and space saving.
- High output with low energy consumption.

TECHNICAL SPECIFICATIONS:

FOR PIPE EXTRUSION

Model	BTC-45	BTC-51	BTC-55	BTC-65	BTC-80	BTC-92	BTC-110
Screw diameter (mm)	45/90	51/105	55/110	65/132	80/156	92/188	110/220
Main motor (kW)	15	18.5	22	30/37	55	110	160
Capacity (kg/h)	120	150	180	300	450	900	1400
Center height (mm)	1000	1000	1000	1000	1000	1150	1200
Net weight (kg)	3000	3000	3500	4000	5500	8000	12000
Dimensions (m)	3.3×1.2×2.1	3.6×1.1×2.1	3.6×1.1×2.1	4.2×1.5×2.4	4.7×1.5×2.4	6×1.6×2.5	5.4×1.8×3.0

FOR PROFILE EXTRUSION

Model	BTC-45	BTC-51	BTC-55	BTC-65	BTC-80	BTC-92	BTC-110
Screw diameter (mm)	45/90	51/105	55/110	65/132	80/156	92/188	110/220
Main motor (kW)	15	18.5	22	30/37	55	110	160
Capacity (kg/h)	80	110	130	220	350	650	950
Center height (mm)	1000	1000	1000	1000	1000	1150	1200
Net weight (kg)	3000	3000	3500	4000	5500	8000	12000
Dimensions (m)	3.3×1.2×2.1	3.6×1.1×2.1	3.6×1.1×2.1	4.2×1.5×2.4	4.7×1.5×2.4	6×1.6×2.5	5.4×1.8×3.0



Single Screw High Efficiency Extruder

Model BTE series single screw high efficiency extruder is specifically designed for HDPE/LD-PE/PP/PPR pipe, profiles and sheets with minimized space requirements. The high efficiency screw lengths with 33, 38 or 42 D result in a reliable machine with a wide output range in combination with latest helical grooved feed barrel design.

Product Features:

- High Quality A/C drives and inverters ensure trouble-free production.
- Screw and barrel with latest design and bimetallic coating for optimum life span.
- Wide manufacture range for different materials.
- High output with low energy consumption.

TECHNICAL SPECIFICATIONS:

FOR PIPE EXTRUSION

Model	Screw diameter (mm)	L/D Ratio	Driver power (kW)	Center height (mm)	Output (kg/h) HDPE/PP
BTE45/33	45	33:1	37	1000	150
BTE60/33	60	33:1	75	1000	300
BTE75/33	75	33:1	110	1100	450
BTE90/33	90	33:1	160	1100	600
BTE120/33	105	33:1	280	1100/1300	950
BTE150/33	120	33:1	400	1300	1350

FOR PIPE EXTRUSION

Model	Screw diameter (mm)	L/D Ratio	Driver power (kW)	Center height (mm)	Output (kg/h) HDPE/PP
BTE45/38	45	38:1	55	1000	220
BTE60/38	60	38:1	110	1000	450
BTE75/38	75	38:1	160	1100	600
BTE90/38	90	38:1	220	1100	800
BTE105/38	105	38:1	315	1000	1150
BTE120/38	120	38:1	450	1300	1600
BTE150/38	150	38:1	630	1500	2250

FOR PROFILE AND SHEET EXTRUSION

Model	Screw diameter (mm)	L/D Ratio	Driver power (kW)	Center height (mm)	Output (kg/h) HDPE/PP
BTE45/42	45	42:1	110	1000	450
BTE60/42	60	42:1	220	1000	800
BTE75/42	75	42:1	315	1000	1200
BTE90/42	90	42:1	450	1000	1600
BTE105/42	105	42:1	500	1000	1800
BTE120/42	120	42:1	630	1000	2250



Single Screw Co-Extruder

BT series back & forth single screw co-extruder is developed with latest German technology. It is easy operated and has a wide range use for different material. It is mainly used for color extrusion, sealing joint strip co-extrusion of profile and polyolefin pipe color co-extrusion.

Product Features:

- Wide range of material applications.
- Smaller footprint to save space.
- Less screws/barrels replacement problem to give optimum productivity.
- High output with low energy consumption.

TECHNICAL SPECIFICATIONS:

Model		BT20-20		BT25-20		BT30-25		BT35-25		BT45-25		BT50-25	
Driving Power (kW)		0.55	1.1	1.1	2.2	3	5.5	5.5	7.5	7.5			11
Screw diameter (mm)		20		25		30		35		45		50	
Ratio L/D		20		20		25		25		25		25	
Material	PE/PP	1	2	3	4	–	–	–	–	–	–	–	–
	PMMA/ASA	–	–	–	–	–	10	12	15	18			25
	PVC	–	–	–	5	8	15	15	18	25			35
Application		Mark Line						Front/rear co-extruder		Front co-extruder			



Extrusion Line For PVC Pipes

BTGF series PVC pipe extrusion line is mainly used in the area of agricultural water supply system, architectural water supply system and pavement of cables. This extrusion line mainly includes conical/parallel twin screw extruder, vacuum tank, spray bath, haul off, cutting unit, tilting table, winder and belling machine.

Product Features:

- Safety overload shut-off.
- Top quality components with problem free.
- Large size span meets different customers' requirements.
- High output with low energy consumption.

TECHNICAL SPECIFICATIONS:

PVC PIPE EXTRUSION LINE

Main Extruder	BTC65/132						
Pipe Diameter	16-63		32-110	63-200	16-32	20-63	63-110
Die head	Double outlet	Four outlet	Single outlet	Single outlet	Four outlet	Double outlet	Single outlet
Downstream equipment	BTGF63	BTGF63	BTGF110	BTGF200	BTGF63	BTGF63	BTGF110
Total power	91	85	85	86.5	91	85	85

Main Extruder	BTC80/156			BTC92/188			BTC110/220	
Pipe Diameter	63-110		110-250	200-400	200-400	315-630	315-630	400-1000
Die head	Double outlet	Single outlet	Single outlet	Single outlet	Single outlet	Single outlet	Single outlet	Single outlet
Downstream equipment	BTGF110	BTGF110	BTGF250	BTGF400	BTGF400	BTGF630	BTGF630	BTGF1000
Total power	136	103	114	131	212	220	270	500



Extrusion Line For PVC Profiles

BTYF series PVC profile extrusion line is mainly used in PVC door & window profile, wide door board, window board and extrusion of multi-holes tube for passing through lines (four holes, six holes, seven holes, nine holes). This extrusion line mainly includes conical/parallel twin screw extruder, profile dies, vacuum calibration table, profile haul off and tilting table.

Product Features:

- Safety overload shut-off.
- Top quality components with problem free.
- Large size span meets different customers' requirements.
- High output with low energy consumption.

TECHNICAL SPECIFICATIONS:

PVC PROFILE EXTRUSION LINE

Main Extruder	BTC55/110	BTC65/132		BTC80/156		BTC92/188
Main motor power (kW)	22	37		55		110
Downstream Equipment Model	BTYF240S	BTYF240A	BTYF300A	BTYF600	BTYF900	BTYF1200
Product width (mm)	Max240	Max240	Max300	Max600	Max900	Max1200
Vacuum pump (kW)	2x5.5	4x5.5	4x5.5	4x5.5	1x7.5 2x11	2x7.5 2x11
Water pump (kW)	1.5	4	4	7.5	7.5	7.5
Haul off speed	0-5	0-5	0-5	0-3	0-2.5	0-5
Downstream Equipment power	22	35	35	44	25	62
Output (kg/h)	100	220	220	350	350	750



Extrusion Line for PP, PE Pipes

BTLG series PP, PE pipe extrusion line is mainly used in the area of agricultural water supply system, architectural water supply system and pavement of cables. This extrusion line mainly includes single screw high efficiency extruder, vacuum tank, spray bath, haul off, cutting unit and tilting table.

Product Features:

- Safety overload shut-off.
- Top quality components with problem free.
- Large size span meets different customers' requirements.
- High output with low energy consumption.

TECHNICAL SPECIFICATIONS:

PP/PE/PPR/PERT PIPE EXTRUSION LINE

Pipe diameter	16-63		32-125	75-250	110-450	315-630	315-800
Main extruder	45/33	75/33	60/33	60/38 75/33	75/38 90/33	90/38 120/33	105/38 150/33
Die head	Single Outlet	Double Outlet	Single Outlet	Single Outlet	Single Outlet	Single Outlet	Single Outlet
Downstream Equipment	BTLG63	BTLG63	BTLG125	BTLG250	BTLG450	BTLG630	BTLG800
Total power	70	125	150	230	380	550	800

Pipe diameter	450-1000	630-1200	710-1400	1000-1600	1400-2000
Main extruder	105/38 150/33	120/38 150/33	120/38 150/33	150/38 150/33	150/38 150/33
Die head	Single outlet	Single outlet	Single outlet	Single outlet	Single outlet
Downstream Equipment	BTLG1000	BTLG1200	BTLG1400	BTLG1600	BTLG2000
Total power	800	1000	1100	1200	1300



Extrusion Line For PP, PE Sheets

BTP series PP, PE sheet extrusion line is mainly used for manufacturing printing, stationery, art works, bags, lamp covers and food packing. This extrusion line mainly includes single screw vented type extruder, screen changer, die, three roll calendering machine, roll temperature adjustment, cooling and transfer bridge, two roll take-off, cross cutter, belt transfer unit and hydraulic stacker.

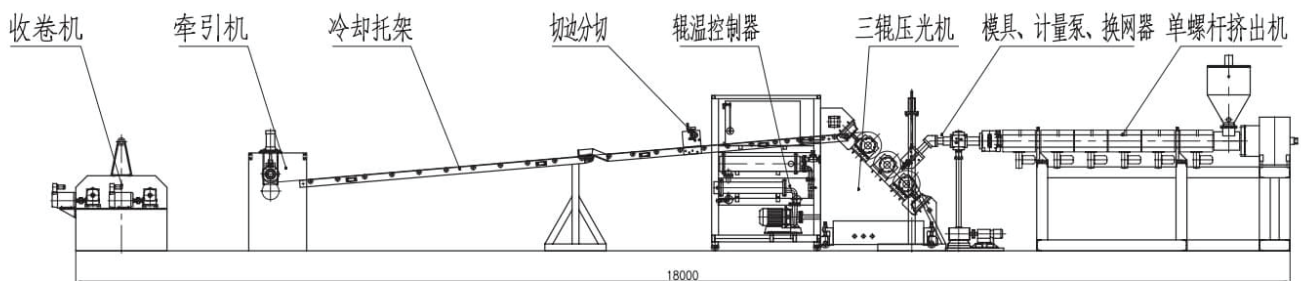
Product Features:

- Safety overload shut-off.
- Top quality components with problem free.
- Large size span meets different customers' requirements.
- High output with low energy consumption.

TECHNICAL SPECIFICATIONS:

- Material application: PP, HIPS, PE, EVA, EVAOH
- Sheet thickness: 0.2-2mm
- Sheet width: 600-1800mm

STRUCTURE SAMPLE OF EXTRUSION LINE



Extrusion Line For PP, PE Boards

BTB series PP, PE board extrusion line is mainly used for manufacturing wire plates, environment protection materials and honeycomb boards. This extrusion line mainly includes single screw vented type extruder, screen changer, die, three roll calendering machine, roll temperature adjustment, cooling and transfer bridge, two roll take-off, cross cutter, belt transfer unit and hydraulic stacker.

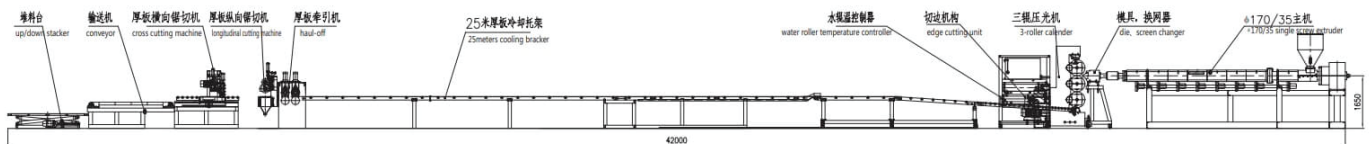
Product Features:

- Safety overload shut-off.
- Top quality components with problem free.
- Large size span meets different customers' requirements.
- High output with low energy consumption.

TECHNICAL SPECIFICATIONS:

- Material application: PP, PE
- Board thickness: 1-30mm
- Board width: <3000mm

STRUCTURE SAMPLE OF EXTRUSION LINE





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