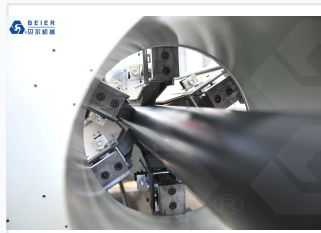


# 250-630mm HDPE PE PP PPR Pipe Extrusion Line

This extrusion line is designed for the production of HDPE, PE, PP, and PP-R pipes. It features a robust extruder, a precision die head, and a multi-clamp cooling system to ensure consistent pipe dimensions and quality.



## ADDITIONAL IMAGES



## Overview

### High-Performance Pipe Extrusion

This high-speed extrusion line is engineered for the efficient production of HDPE, PE, PP, and PPR pipes ranging from 250mm to 630mm in diameter. It features a high-torque gearbox and a stability-focused running system designed to lower electrical and water consumption. The line integrates advanced cooling and vacuum calibration technologies to ensure consistent pipe quality for water supply, gas distribution, and industrial applications.

## Key Performance Metrics

### Performance Highlights

**630 mm**

Max Pipe Diameter

**1100 kg/hr**

Max Output

**280 kW**

Motor Power

## Technical Specifications

Pipe Diameter Range	250 - 630 mm
Compatible Materials	HDPE, PE, PP, PPR

## Extrusion System

### High Efficiency Single Screw Extruder



Detailed view of the high-efficiency single screw extruder featuring a high-torque gearbox and energy-saving heating system.

#### Screw Configuration

- High efficiency single screw structure
- L/D Ratio: 38-40/1
- Spiral grooved bush
- Spiral head channel for crisscrossed material flow

#### Extruder Components

- High torque vertical gearbox
- Energy-saving heater
- Gravimetric meter for precise feeding
- Automatic lubricating oil temperature control

## Cooling & Calibration

#### Cooling & Vacuum System

- 9m Two-chamber vacuum calibrating design
- Multi-section water membrane cooling
- Double disk calibration sleeve design
- Brass and glass material construction

## Control & Components

#### Premium Components

PLC Control System • High-Torque Gearbox • Low Noise Operation • Static Mixing System

## Model Comparison

Model	Pipe Range	Extruder	Extruder Motor Power	Max. Output (kg/hr)
BRD-63	Dia.20-63	BRD60/38	90	450
BRD-110	Dia.20-110	BRD60/38	110	500
BRD-160	Dia.50-160	BRD60/38	110	500
BRD-250	Dia.50-250	BRD75/38	160	680
BRD-450	Dia.160-450	BRD90/38	250	1000
BRD-630	Dia.280-630	BRD90/38	280	1100
BRD-800	Dia.315-800	BRD120/38	315	1300
BRD-1200	Dia.500-1200	BRD120/38	365	1400
BRD-1600	Dia.1000-1600	BRD90/38& BRD90/38	250+250	2000
BRD-2000	Dia.1000-2000	BRD90/38& BRD90/38	280+280	2200

Technical parameters across the full range of extrusion line models, from 20mm up to 2000mm pipe diameters.

### Extrusion Line Series Data

Model	Pipe Range (mm)	Motor Power (kW)	Max Output (kg/hr)
BRD-250	50-250	160	680
BRD-450	160-450	250	1000
BRD-630	280-630	280	1100
BRD-1200	500-1200	365	1400