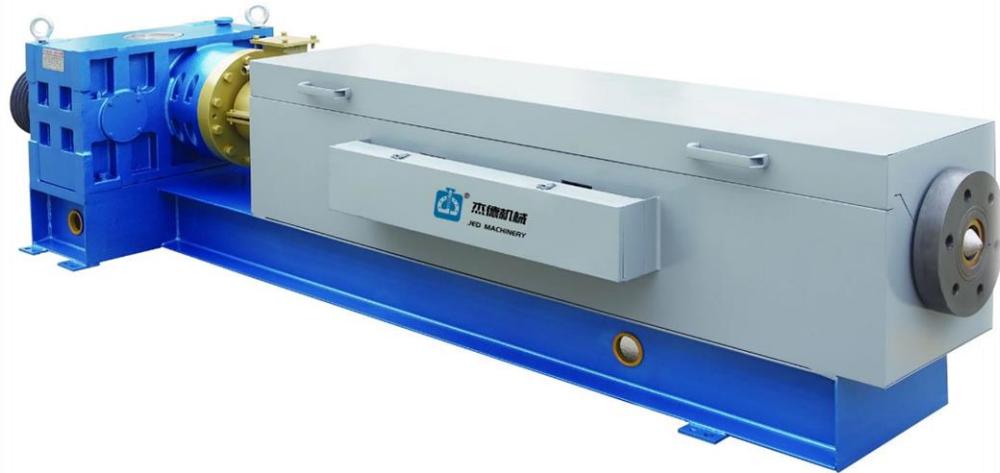




DWM 180/30-PET Spinning Screw Extruder Technical Specifications



一、 Basic Parameters:

1. Resin used: PET Bottle Chip
2. Maximum extrusion capacity: DW 180/30:800 kg /H
3. The amount of extrusion may vary according to the formula of processed materials and
4. operating conditions.
5. Center height of extruder: 700mm

二、 Scope of supply and specific equipment requirements:

1. Scope of supply: (the following is a list of equipment)

DW 180/30 extruder mechanical parts are as follows:

Screw 1 PCS	Barrel 1 PCS
Gearbox 1 PCS	Heater1 PCS
Temperature measuring element 1 PCS	Support frame 1 PCS
Machine guard 1 PCS	Cooling water jacket 1 PCS
Front barrel flange 1 PCS	Measuring head 1 PCS
Engine base 1 PCS	Motor base 1 PCS
Gearbox pulley 1 PCS	Motor pulley 1 PCS
Grooved pulley 1 PCS	Pulley shell 1 PCS
Junction box and terminal 1 PCS	Screw disassembly tools 1 Set



2. Equipment Requirements:

Due to the use of optimized screw and barrel design, the extruder has the following advantages, high plasticization rate, uniform melt, continuous and stable production. High performance gearbox with high torque, long life and low noise.

180/30 Extruder

(1) Model: DW 180/30 (horizontal)

(2) Screw

--Diameter: 180 mm

--L/D: 30:1

--Material: 38CrMoAlA

--Surface treatment: Nitriding treatment

--Speed: 20-60 RPM

(3) Barrel

-- Inner surface treatment: Nitriding treatment

-- Material: 38CrMoAlA

-- Heating control zone: 8 zones

-- Heating mode: Casting aluminum heating

-- Heating power: 120KW

-- Heating voltage: 380V

-- Heating zone power: zone 1 to zone 8 15KW/ zone

(4) Reducer

-- Case material: HT200

-- Gear form: Helical gear

-- Gear wheel material: 20CrMnTi

-- Heat treatment of gear surface: hardening of tooth surface

-- Shaft material: 40Cr

-- Cooling mode: Internal cooling and forced circulation cooling

(5) Barrel feeding section

-- Mode: Circulating cooling system (circulating water)

(6) There is a heat preservation cover outside the barrel

--Type: Double layer insulation, interlined with aluminum silicate plate

(7) Extruder with measuring head (measuring head are equipped with melt pipe, clamp pipe and



matching flange)

-- Set the temperature at 310°C

-- Pressure jacket 0.2MPA, melt pipe 25MPA

-- Install a special double platinum resistor for chemical fiber

(8) Drive motor

--Type: Square alternating current electric machine

-- Power: 185 KW / 380 V / 50 HZ

--Transmission type: Belt pulley transmission

(9) Temperature measuring element

Type: PT100 platinum resistance, pressure spring type, class A accuracy

3. Operating environment of the device

1. Location: Indoors

2. Power supply: No danger zone

3. Humidity: 85% no condensation

4. Temperature: ---- 0-40°C

5. Power supply conditions

-- Used for motor drive 3 phase 380V±10%, 50HZ

-- Used for control system single phase 220V±10%, 50HZ

4. Tools and accessories come with it

-- 1 set/set of screw disassembly tools

-- 1 set of cast aluminum heating ring

-- 1 PT100 platinum resistor per unit

-- One manual for random operation

三、Other Requirements

1. The arrangement form of the machine's left and right hands is to be determined.

2. Connection mode of barrel front flange: According to the company's standard or drawings provided by the demander;

3. Color of the equipment: Standard color of the supplier or color card of the demander.