

Plastic Injection Molding Machine

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Is a machine mad for manufacturing plastic in a fast pace with high quality.

1.Injection unit

The task for the injection unite is to melt the polymer and inject it.

1.motor

The hydraulic oil is being in and out by the motor

2.hopper

In here we supply the materiel to start the molding process

3.screw

Used to push the ingredients to a forward direction.

4.heater

It is used to increase the heat of the system and melt the ingredients.

5.valve

6.backflow cylinder

7.Cooling channels

Used to cool the product done into the system

2.Mold

In here the product gets shaped and cooled.

1.Tie bar

3. Clamping unit

It is for mobility and product ejection.

These are **some types of injection moldings**:

- Metal injection molding
- Die casting
- Injection molding of liquid silicone rubber
- Thin-wall injection molding
- Reaction injection molding

