

## Product introduction

Cast film extrusion line consist of a lab precise single screw extruder, a molding system(die), a film casting, haul-off & winding machine and a SIEMENS PLC Touching Screen Control System.

It not only has wide range of technology adjustment (including speed, temperature, pressure, thickness, etc.), but also has a lot of functions such as real-time parameter acquisition, graphic displaying, recording and storing. It is an ideal tool for research institute to develop new material formula and film shaping technology.

NG-X433-25-3 Cast Film machine have 3 calender roll, it has one more roll than regular machine. This design makes the film evenly and better gloss.

## Product Application

- 1) Polymer casting property test;
- 2) New material formula development;
- 3) Optimization of production technology;
- 4) Production quality control.

## Main Features

- 1) Adopting international brand variable speed control motor for the extruder to make the plasticization stable and constant;
- 2) Using brand melt pressure and temperature sensor to ensure high accuracy data
- 3) Cantilever roll structure making it easy to lead the film and be operated;
- 4) dopting PLC control system and friendly operation interface to easily operate;
- 5) On-line testing and displaying melt pressure, temperature and other key data;
- 6) Emergency stops and devices to protect safety of the operator;

| NEWGOER LAB CAST FILM MACHINE |                      |     |                                    |
|-------------------------------|----------------------|-----|------------------------------------|
| Technical Parameter           | Applicable materials |     | PP, PE, PVC, PS, PET, etc.         |
|                               | Screw diameters      | mm  | 25                                 |
|                               | Screw rotating speed | rpm | 0-95 (adjustable)                  |
|                               | Screw L/D ratio      |     | 33                                 |
|                               | Temperature range    | ℃   | Room temperature - 300℃            |
|                               | Film thickness       | mm  | 0.03-0.5mm                         |
|                               | Film width           | mm  | 250 (customized)                   |
|                               | Die width            | mm  | 300                                |
|                               | Working voltage      |     | 350V/50Hz/3 phases or Customerized |
|                               | Motor power          | KW  | 2.2                                |
|                               | Total Power          | KW  | 7                                  |
|                               | Control mode         |     | SIEMENS PLC Control                |