

KAIDE - Flat Drip Irrigation Tape Production Line

(Speed: 260m/min)

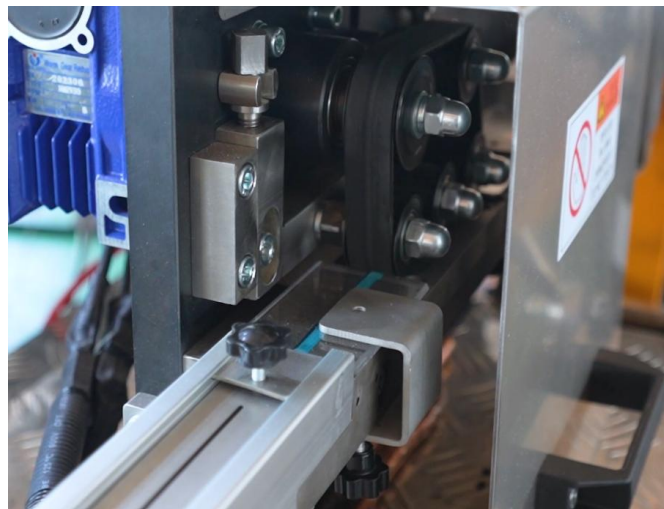
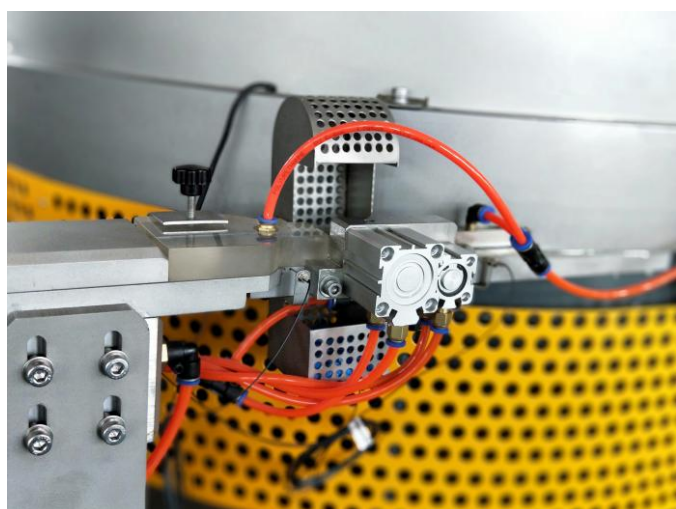
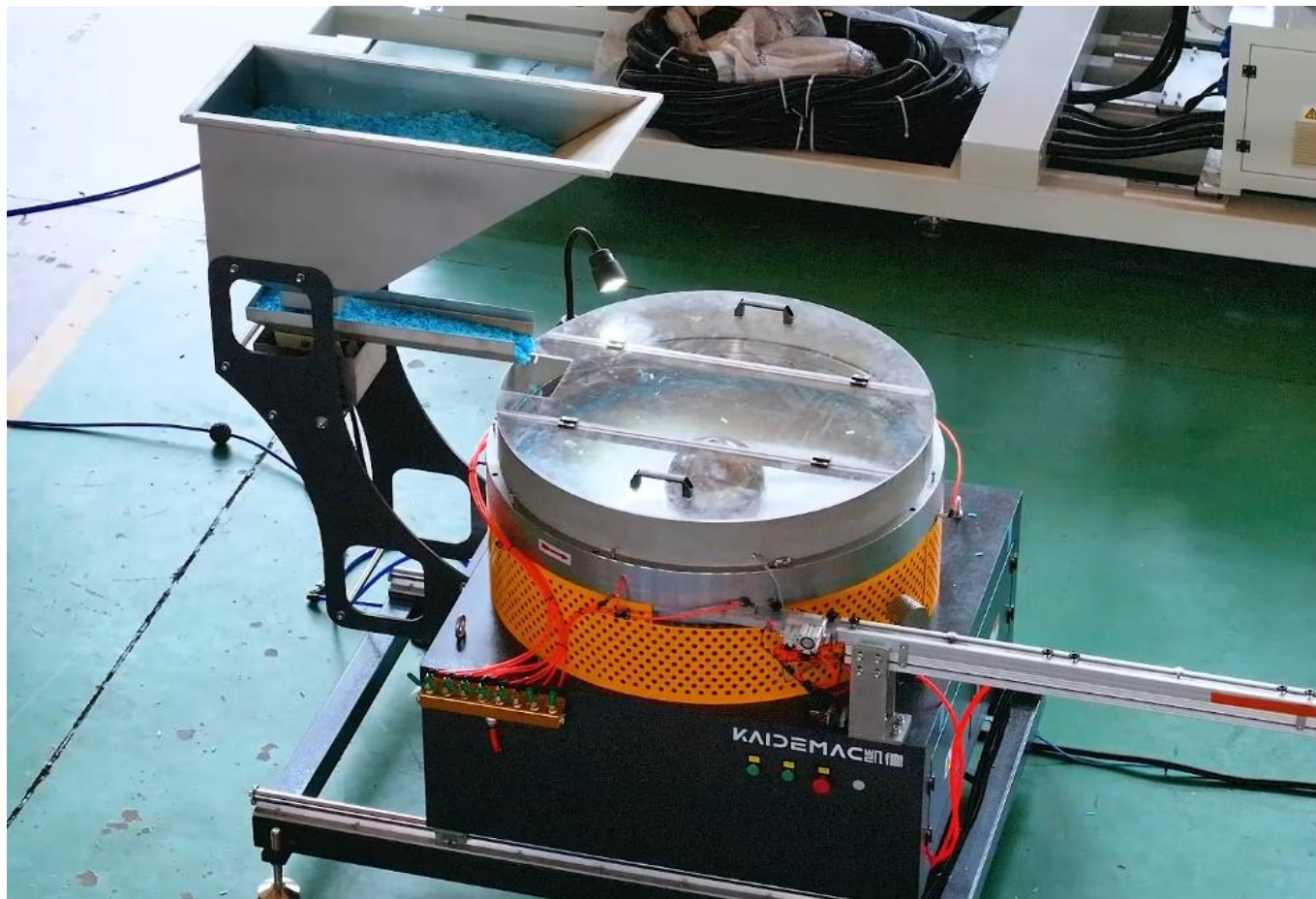


The line speed is the REAL stable continuous running speed.

KAIDEMAC is always honest to every customers.

Referenced Machine Photos

1. Dripper Sorting & Conveying System



- Special design as per the drifter structure, automatic feeding system to ensure the sufficient drippers while high speed sorting.
- Automatically reject the reversed drippers;

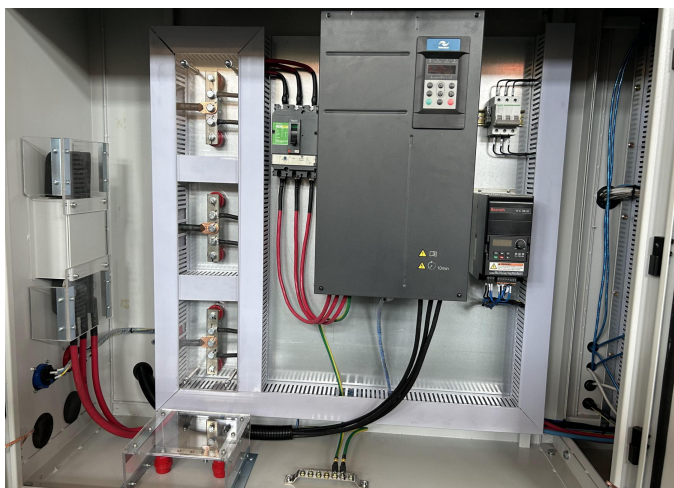
- Servo Motor Driven for dripper transporting;
- High Precision and accurate dripper inserting.

2. SJ60/36 High Output PE Extruder



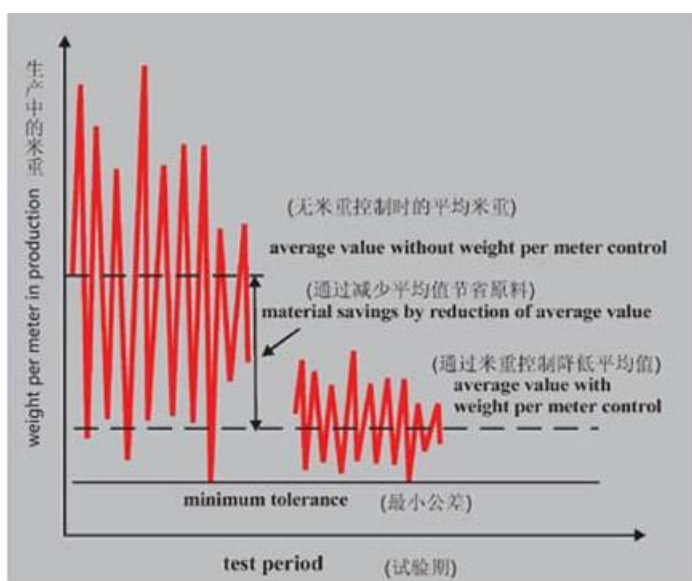
- Main extruder using big L/D ratio screw with special design structure, to have a better plasticizing effect.

- Rexroth brand frequency converter; Schneider brand for low voltage electric elements like AC contactor, circuit breaker etc;
- The electric cabinet can be made by **CE** production standard with better safety protection
- Using plug type cable connection, very easy and convenient to install

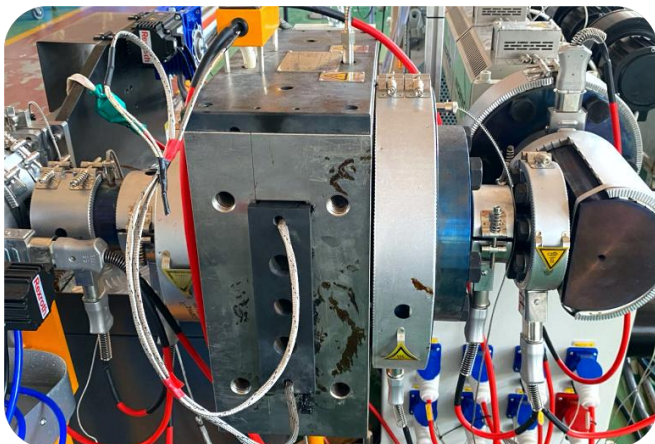


3.Gravimetric material doser

- Shorten line start up time; reduce requirements on operator's skills
- Largely decrease pipe waste rate; Save unnecessary material consumption;
- Stable the pipe production process and improve the product quality consistency;
- Really realizing precise control for accurate thickness and high speed production.

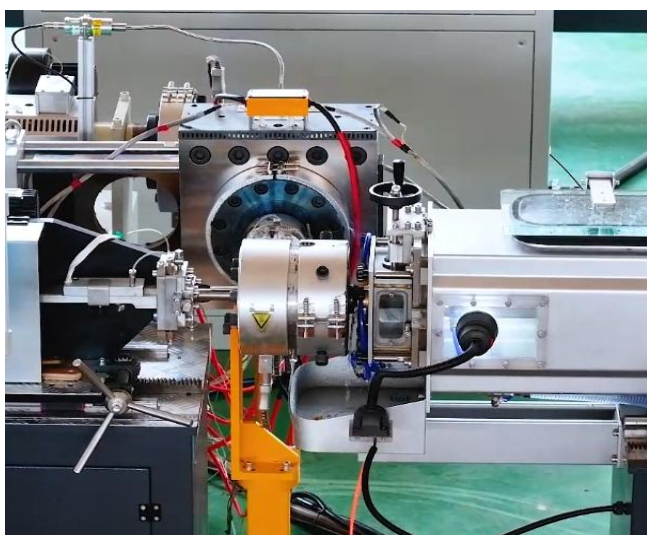


4. Hydraulic Screen Changer



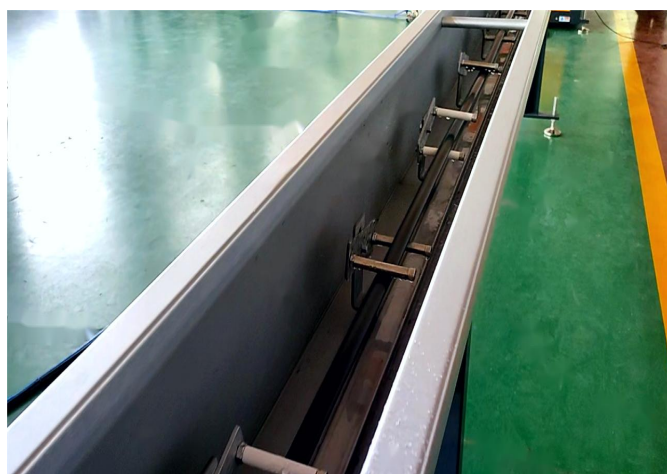
- When the melting pressure reaches the max. safe summit value, there will be filter changing reminder on the PLC, then can change filter timely.

5. Die Head Moulds & High Speed Pipe Calibrator



- Special cross type die head for drip irrigation pipe making; made by high quality mould steel 40Cr, processed by imported CNC machine with high precision degree, such as MAZAK, OKUMA, TAKISAWA from Japan, GAFO, LITZ from Taiwan.
- Die moulds surface are chrome-painted, to reducing flow resistance, easy to clean and rust resistance
- Calibrator Design: Three dimensional adjustment, ensuring the co-axiality

6.SGZL-32 Vacuum Calibration Cooling Tank (6000mm)



- All material touched water is high quality stainless steel, even the support frame.
- Auto vacuum control system , Auto water inlet and outlet control;
- Kinds of detecting system included: Anti-rotating device,Tape broken detecting device, Air bubble detecting device, Dehydration Dryer Device

7. Haul Off Machine+ High Speed Punching Machine



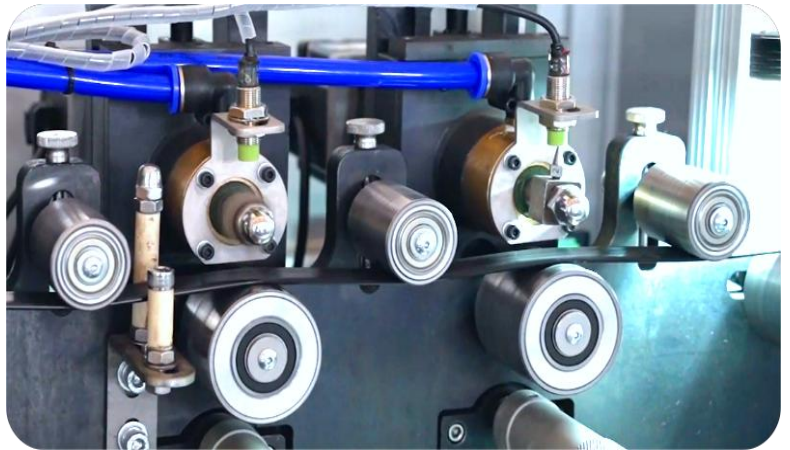
- The pulling machine can not only realize single control, but also can realize whole line sync control, closed loop with extruder & Water dripper press roller ;
- With dependent Siemens PLC control system, multi-group roller pneumatic clamping, balanced force for haul off & clamping.



- Intelligent imaging detecting system;
- Dripper space and punching position online detecting ;
- Dependent Siemens PLC control system;

- High precision laser Dripper detecting system
- Omron Servo motor drive mechanical punching
- Two sets punching device
- Punching scraps collection

Function



8. Automatic double position coiler

- Special for NON-PC Dripper Flat Drip Irrigation Tape (0.15-0.6mm)
- Siemens Servo Traverse Unit Equipped
- Tension Controller to balance the pipe force
- Automatic Cutting the tape, Automatic Changing the roll.





9. Siemens PLC Control System+Remote Control System



- **SIEMENS** brand; colorful touch control screen; Optional operation language
- **Precise synchronous** control of main machine and the auxiliary machine; Programmable and settable alarming and protection function at all levels.
- **Remote control system** for machine fault analysis and problem solving;
- Programmable and settable **alarming and protection function** at all levels.
- **Movable trolley** for convenient operation;

■ Different Drippers Type



You are warmly welcomed to visit our factory see the line running !



<https://youtu.be/Ba5MQL6VdkI>

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