

HUA LIANG

HLGP 华亮
HUALIANG MACHINERY

流延膜设备智能制造系统解决方案提供商

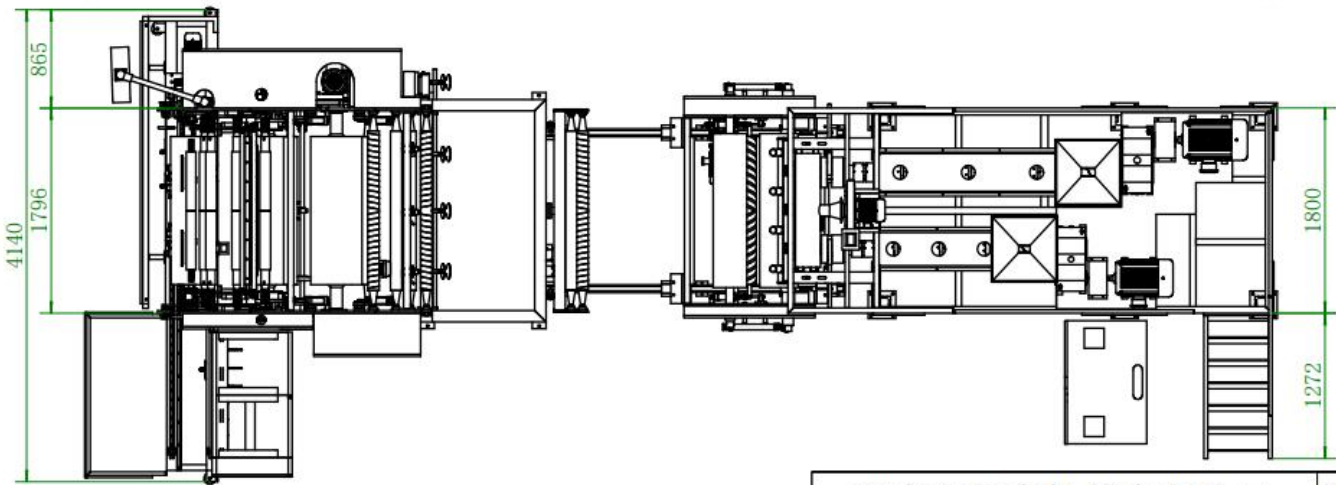
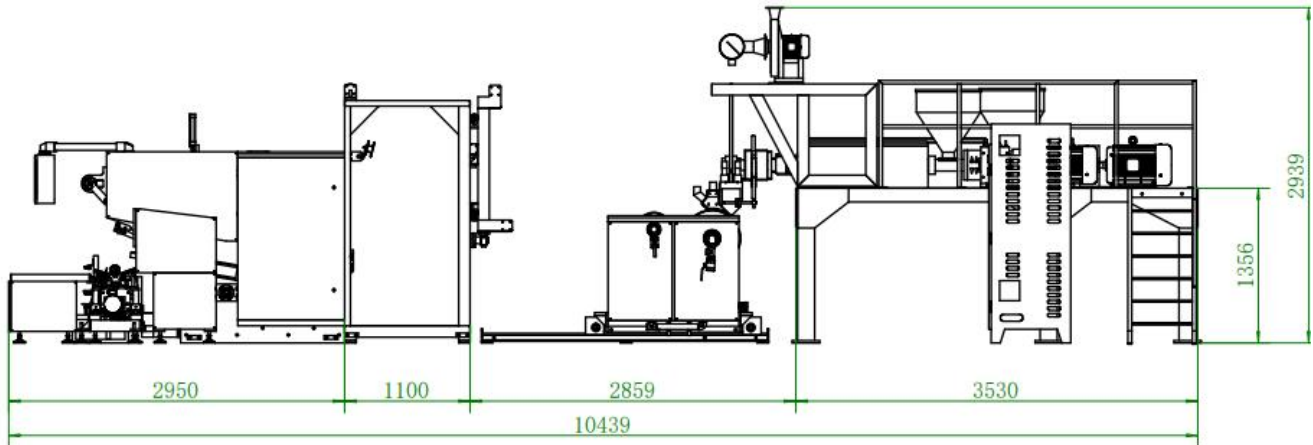
Intelligent Manufacturing System Solutions Provider for Casting

Film Equipment





Machine Picture and Layout



1000自动缠绕膜平面布置图

瑞安市华亮机械有限公司					图号
版本	幅面代号	A4	比例	1:50	零件名称
设计	设计日期		类别		



Main Technical Parameters

product type

PE Stretch Film

Thickness

0.008-0.05mm

finished width

1000mm(2*500mm)

Usable material

LLDPE(Chinese brand:linear7042)

Power supply

380V 50HZ

Working liner speed max

120m/min

Film structure

AB layers or ABA layers

Degree of intelligence

Fully automatic

Human-computer interface

10-inch large screen

Winding diameter

Φ 350MM

Ease of operation

One-person operation

Max extrusion capacity

100-120kg/h

Total power/running power

100KW/60KW

Equipment weight (reference)

6.5t

Machine size(reference)

10300mm*4200mm*2800mm



Technical parameters of important equipment

E

Extrusion component*2

One "A" extruder

- Screw (Zhoushan):Screw specification: ϕ 55mm , L/D 30: 1 , 38 CRMOALA surface chrome-plated, nitrided and polished
- Barrel (Zhoushan):38 CRMOALA surface chromium plating, nitriding and polishing treatment.Heating with aluminum-coated heating rings
- Gearbox: 146 type high-strength hard-surface gearbox
- Main drive power: 15kw
- Inverter:15kw

One "B"extruder

- Screw (Zhoushan):Screw specification: ϕ 75mm ,L/D 30: 1 , 38 CRMOALA surface chrome-plated, nitrided and polished
- Barrel (Zhoushan):38CRMOALA , surface chromium plating, nitriding and polishing treatment.Heating with aluminum-coated heating rings
- Gearbox: 173 type high-strength hard-surface gearbox
- Main drive power: 22kw
- Inverter:22kw

Co-extrusion distributor

- Hierarchical distribution/membrane layer structure: Two layers A and B
- Heating method: Heating is carried out inside stainless steel electric heating tubes.
- Electric heating capacity: 4KW,380V
- Manufacturer/Origin: Purchased from Huangyan

Hydraulic screen changer

- Heating method: Heating in stainless steel electric heating tubes
- Electric heating capacity: 6KW, 380V.
- Manufacturer: Huangyan

Negative pressure vacuum box

- Fan power :1.5KW, 380V.
- Manufacturer: Huangyan

T-Die

- Manufacturer/Origin: China. Jin Dajia
- Die head width :1250mm
- Material: P20H, providing the best mold performance through excellent processability, high polishing ability and enhanced durability
- The opening of the die lip is 1.3mm, the polishing accuracy is 0.02-0.04(um), the die head flow surface treated,with hard chromium plating :0.06-0.08(um), the hardness is 60-80Rockwello, the thickness of the chromium plating layer on the outer surface is 0.01-0.02mm, the width can be freely adjusted, and the temperature zone is increased to 9 sections. It further ensures the temperature balance inside the mold and makes it easier to adjust the uniformity. Electric capacity: 20 kw and 380 v.

Traction and winding

- Cooling and shaping roller: Φ 500 mm * 1350 mm. (mist side grinding roller) x1

Drive: 4 kw motor + Inverter x1

Cooling system: adopting spiral flow channel, ultrafine grinding, hard chromium plating, cooling water cooling)

- Cooling traction roller: Φ 300 mm * 1350 mm. x1
- Winding traction roller: Φ 450 mm * 1300 mm. x 2

Driver: 3 kw motor + Inverter x 2

Scrap Material Recycling System

- The large edge material machine is equipped with one set of forced feeding device
- Drive power :2.2KW motor +Inverter

Electrical Control Section

- Extruder control cabinet (independent one-stop) x1
- Cantilever control console x1

Brand

- Motor: Shanghai Henggong
- Inverter: Kewo
- Temperature controller: Winpark
- PLC: XINJIE
- SSR: TAIWAN -Fotek
- Gear box :Dabang



Invention patent

