



**MAHAVEER GROUP**

Since 1975

## Coating Machine SJFM-1300A



## Technical Parameter

- ⊙ Applicable coating film resin: Coating grade like LDPE, PE, EVA etc .
- ⊙ Based material: paper (35~425g/m<sup>2</sup>) , textile fibre ,non-woven fabric, Knited mesh。
- ⊙ Max working speed: 100~150m/min
- ⊙ Max width of coating film: 1200mm
- ⊙ Thickness of coating film: 0.01~0.05mm
- ⊙ Inaccuracy thickness of coating film: ±6%
- ⊙ Setting range of Auto-tension: 10-200kg/entire width (constant tension)
- ⊙ Max extrusion: 200kg/h
- ⊙ Compound cooling roller: Φ510×1300mm (can choose)
- ⊙ Total power/Working power :About 80kw/55kw
- ⊙ Max rewinding diameter: Φ1300mm
- ⊙ Inside diameter of base material: Φ76
- ⊙ Machine total weight: about 15000kg
- ⊙ Overall dimension: 9600mm×8000×3250mm (L×W×H)
- ⊙ Machine color: can choose

## Main Equipment Introduction

- ⊙ Feeding part
- ⊙ Corona Treater
- ⊙ Extrusion and compounding parta
- ⊙ Extruder
- ⊙ Rewinding part
- ⊙ Control Unit
- ⊙ Supporting facilities
- ⊙ Tool Case

## Main Equipment Details

### Feeding equipment

- ⊙ Double work-station bearing feeding frame
- ⊙ Air expansion feeding shaft (ZHEJIANG)

## Specification

- ⊙ Effective width: 1200mm
- ⊙ Max feeding diameter:  $\Phi$ 1300mm
- ⊙ Inside diameter of paper core: 3inch
- ⊙ Max weight air-expansion shaft support: 1200kg
- ⊙ Tension setting: 10-200kg
- ⊙ Tension control accuracy:  $\pm$ 0.2kg
- ⊙ Magnetic powder controller (ZHEJIANG) 2 sets
- ⊙ Automatic tension control (ZHEJIANG) 1 set
- ⊙ Air-expansion feeding shaft 3 inch (NINGBO)

## Characteristic

- ⊙ **Tension controller**  
you can input diameter and thickness parameter of base material based on replaced material, along with the rotated-loops changing, tension is decreased proportionally to achieve automatic tension control.
- ⊙ **Corona Treater**  
Electric spark power: 6KW Corona Treater adopts dustproof, interference-proof structure, pneumatic switch cover equipment, achieve discharging ozone (Nantong, Jiangsu )
- ⊙ **Extrusion and compounding equipment**  
**Structure**  
Three roller compounding mechanism, back pressing roller makes compounding roller to force evenly and compounding firmly.
- ⊙ **Peeling off silicone roller**  
compounding products peels off from cooling roller easily.(SHANGHAI)
- ⊙ Compounding and filling regulating roller can overcome defects such as uneven of film thickness.
- ⊙ Disc slitting knife edge-cutter: sharp knife edge
- ⊙ High pressure blower sucks scrap edge quickly.
- ⊙ Compounding and discharging eliciting roller. (SHANGHAI)
- ⊙ Compounding roller be droved by variable frequency motor independently.
- ⊙ The motor droved compounding roller be controlled by frequency changer.
- ⊙ Rewinding equipment adopts cylinder to switch automatic from Germany.

## Specifications

- ⊙ Compounding roller:  $\Phi 510\text{mm} \times 1300\text{mm}$  1 pc
- ⊙ Silicone roller:  $\Phi 260 \times 1300\text{mm}$  1 pc
- ⊙ Back pressing roller:  $\Phi 220 \times 1300\text{mm}$  1 pc
- ⊙ 7.5kw planetary speed reducer, motor 1 set
- ⊙ 7.5kw frequency converter 1 set
- ⊙ Rotating joint 6 sets

## Characteristic

- ⊙ Cooling roller adopts high degree of finish roller, which can eliminate bubbles produced during the compounding process.
- ⊙ Silicone roller and cooling roller adopt screw-type cooling structure, which to make cooling quickly and laminating easily.
- ⊙ Compounding roller is droved by one vector frequency electric motor, can adjust the speed quickly, to making different thickness of the film which we need, Ensure the thickness uniformity the same.

## Extrusion equipment

- ⊙ Car type extrusion machine
- ⊙ T- type die head
- ⊙ Automatic feeding equipment (NINGBO)
- ⊙ Automatic hydraulic changes filter (Our Factory patent)
- ⊙ Extrusion machine can move back and forth, up and down.
- ⊙ TScrew and charging barrel linkage area are all heated with cast aluminum board.
- ⊙ High power and harden gear speed reducer (Jiangsu)
- ⊙ Temperature is controlled by Digital temperature controller automatically.
- ⊙ Stainless steel hopper
- ⊙ Six screw and charging barrel heating zones are controlled independently.
- ⊙ Seven die head heating zones are controlled independently

## Specification

- ⊙ Width of die head 1400mm: T-type runner, width of laminating,1200mm, it could be adjust.
- ⊙ Screw diameter:  $\Phi 105\text{mm}$  (Zhoushan, Zhejiang)

- ⊙ Ratio of screw length to diameter: 32:1
- ⊙ 22kw AC motor (Lichao, Shanghai) 1 set
- ⊙ 22kw frequency changer 1 set
- ⊙ 1.5kw Extrusion machine moving motor (Lichao, Shanghai) 1 set
- ⊙ Barrels heating power: 6 sets\*7.2kw=43.2 kw
- ⊙ T-cock power: 4.5kw
- ⊙ Die neck power: 2.8kw
- Die heating power: 7 sets\*3 kw=21kw

## Characteristic

- ⊙ T-type flow structure, the key parts (die lip) to facilitate flexible adjustments plated lapping processed to ensure that the effect of the lamination was smooth.
- ⊙ large length to diameter ratio, the resin more thoroughly when the winding is not easy crimping.

## Rewinding equipment

### Structure

- ⊙ Surface rewinding (Double work-station, Non-stopping)
- Surface rewinding roller is driven independently
- Drive motor (SHANGHAI)
- Frequency speed control
- Rewinding shaft be pressed by compacting cylinder
- It equipped Omron feedback.
- Linear slide rail (Taiwan)

## Specifications

- ⊙ Rewinding diameter:  $\Phi$ 1300mm
- ⊙ Inside diameter of paper core: 3i nch
- ⊙ Width of film coating: 1200mm
- ⊙ Surface rewinding roller, high degree of accuracy chrome Plated roller $\Phi$ 510
- ⊙ 7.5kw planetary speed reducer, motor 1 SET
- ⊙ 7.5kw frequency converter 1 SET
- ⊙ Air-swollen feeding shaft

## Control unit

- ⊙ Frequency control of motor speed
- ⊙ Rewinding shaft air clamper

- ⊙ Other equipment
- ⊙ All balancing aluminum guide roll Guide roller:  $\Phi 90-120 \times 1300$ mm
- ⊙ The rack adopts the wallboard structure
- ⊙ Pneumatic: all are excellent quality, gas circuit can be controlled in the first touch.
- ⊙ Cylinder (Gowell)
- ⊙ Low-voltage components: all are UC Certified products.
- ⊙ Automatic mechanical transmission system (main motor, composite, the winding motor)

### Supporting facilities....(Offer by customer self)

- ⊙ Power: 3 phase 380V 50Hz (three phase four wire system)
- ⊙ Barometric pressure: 6~8/kg/cm<sup>2</sup>
- ⊙ Water pressure: 2~3kg/cm<sup>2</sup>
- ⊙ All balancing aluminum guide roll Guide roller:  $\Phi 90-120 \times 1300$ mm
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