



SPECIFICATIONS

Kaizenkap PE extrusion coating & Slitting Machine (1800mm)

| <u>Description</u> | <u>Q'TY</u> | <u>Remark</u> |
|--|-------------|---------------|
| Extruder Ø130 Manufacture | 1set | |
| T-DIES 1800 Manufacture | 1set | |
| Un-winder (U/W) Manufacture | 1set | |
| Coating Cooling Part Manufacture | 1set | |
| 4-1(Corona Treatment) | 1set | |
| Re-winder (R/W) Manufacture | 1set | |
| Drive Part Line | 1set | |
| Electric Temperature & Control Panel Manufacture | 1set | |
| Heating Part | 1set | |
| Slitter Paper Width L1550X1300 | 1set | |

Workshop Installation & Test Internal Standard 3 x 14days

| Description | Q'TY | Remark |
|---|-------------|---------------|
| Extrusion Press (130mm) | 1set | |
| Frame Manufacture (Material & Welding) | | |
| Screw Cylinder Hopper | | |
| Gear Box Reducer & Pulley | | |
| Base Manufacture | | |
| Head & Joint | | |
| Casting Heater 5Zones Spare 2Sets | | |
| Machinery Cover Type etc. | | |
| Bearing & Construction Components, Rail, Shaft, Wheel | | |
| T- DIES 1800mm | 1set | |
| Material & Tempering Body | | |
| Processing & Gringing | | |
| Grinding & Buffing | | |
| Cr Coating & Second Buffing | | |
| Assembly Work | | |
| Deckle Bar Manufacture | | |
| Heater Type Cover | | |
| Special Bolt Construction Components | | |
| Unwinder (U/W) Gear Type | 1set | |
| Body Base, Manufacture (Material & Welding) | 1set | |
| Stay & Turret U/W & Air Chucking | 1set | |
| Revolution Device Worn Gear Box Manufacture | 1set | |
| Guide EPC Device Manufacture | 1set | |
| Core Shaft 4"X 3" Air Type 3EA Air Components | 3 x 3 | |
| Bearing & Construction Components | 1set | |
| Guide Roller L1700 | 2ea | |
| A, B Shaft Drive Device | 2set | |
| Tension, Infeed Cutting Device | 1set | |
| Tension, Infeed cutting device | 1set | |
| Coating Cooling Part Manufacture | 1set | |
| Body Manufacture (Material & Welding) | 1set | |
| Cooling Roller Ø600 x 1800L Luster, Lusterless | 2set | |
| Cooling Joint 2"1½" Pipe Hose, Flange | 10ea | |
| Press Roller Ø310 x 1700L | 2ea | |
| Back-up Roller Ø250 x 1700L | 2ea | |
| Expander Roller Ø120 x 1700L | 2ea | |
| Touch Roller Ø120 x 1700L | 1set | |
| Guide Roller Ø120 x 1700L | 5ea | |
| Bearing & Construction Components | 2ea | |

| | |
|---|-------------|
| Touch Arm & Components | 1set |
| Air Cylinder & Components | 1set |
| Air Pipe & Components | 1set |
| Footstool & Cover Manufacture | 1set |
| Corona Treatment Unit 2SET 20KW | 1set |
| Re-Winder Manufacture | 1set |
| Body Manufacture (Material & Welding) | 1set |
| Base Manufacture (Material & Welding) | 1set |
| Rewinder Drum Roll Lusterless Ø600 x 1700mm | 1ea |
| Geared Motor 1HP 90:1 | 2ea |
| Guide Roller Ø120 x 1700mm | 4ea |
| Winder Shaft Change Device | 1set |
| Winder Shaft Press Device | 1set |
| Air Cylinder & Pipe Components | 1set |
| Touch Roll Manual Cutting (Splicing) | 1set |
| Bearing & Construction Components | 1set |
| Footstool & Cover Manufacture | 1set |
| Air Shaft 4"x 3" | 5set |
| Drive Line | 1set |
| AC Motor11KW (Control) (Cooling Roller) | 2set |
| Timing Gear & Belt, Tension Device (Main Drive) | 2set |
| DC Motor75KW (Control) (Extruder) | 2set |
| Geared Motor1.5KW 90:1 (Extruder) | 2set |
| AC Motor 22KW (Control) (U/W) | 1set |
| Meter Box 12Type (R/W Drive) | 1set |
| Timing Belt, Tension Device (R/W) | 1set |
| Reducer (3HP) 90:1 (U/W) | 1set |
| Worm Reducer 175Type (Cooling Roller Drive) | 2set |
| AC Motor 22KW & (Control) (R/W) | 1set |
| Electric Panel | 1set |
| Extruder Heating Panel | 1set |
| T-DIE Heating Panel | 1set |
| Main Panel, Splicing, Interlocking | 1set |
| Electric Wire & Flexible | 1set |
| Electric Wire Duct | 1set |
| Other Wiring Material | 1set |
| Each Part Control | 1set |
| Heating part | 1set |
| Main Frame making | 1set |
| Guide Roller Ø120X L1700 | 3ea |
| Heating Roller Ø600X L1700 | 1ea |
| Silicon Roller for Corona treatment | 2ea |
| Heating Roller base | 1set |
| Slitter 1700mm X 1300mm Manufacture | |

| | |
|--|------|
| U/W Main Frame Manufacture | 1set |
| Lifter Type Winder Processing A Shaft | 1set |
| Cooling Water Type Powder Brake & Lord Cell 40K | 2set |
| Guide Roller & Rubber Roller Ø120X L1700 | 7ea |
| E P C 2HP Installation | 1set |
| R/W Main Frame Processing | 1set |
| Surface Roller Ø240 X L1700 (Steel, Rubber) | 2ea |
| Upper, Lower & Knife Shaft, Knife Holder Including | 2set |
| Cylinder & Air Device | 1set |
| Drive Part & DC Motor 30HP Control | 1set |

The rest Item – Customer’s preparation

Underground Water & Storage Tank
 Refrigerator Supply 20R/T
 Factory Air Supply 15HP
 Factory Hoist Supply
 Factory Electricity 380V X 300KW Supply
 Factory & Machinery Exhaust Duct
 Equipment Supply

Specification

Drive Speed 200m/min
 Web Diameter: 1300mm
 Web Width: 1600mm

Warranty

We guarantee 12months after the installation in the buyer’s factory
 We are not responsible for the damage caused by misuse, improper handling and neglectful maintenance.

KAIZENKAP DIS TICARET

Cavusoglu Mah. Meseli Sok. NO: 6/1 ISTANBUL – TURKEI

info@kaizenkap.com

<http://www.kaizenkap.com>

PHONE: +90 216 387 88 37



SPECIFICATIONS

Kaizenkap paper cup single side extrusion coating machine

SJFM series extrusion coating lamination machine is an eco-friendly machine. The principle of the process is that the plastic resin(PE/PP) are plasticized by the screw and then extruded from the t-die. After being stretched, they are attached to the surface of the base material(paper/nonwoven/woven, etc) , or between the base materials to make these two layers compounding. After cooling and shaping, the final product has the feature of film's barrier and heat sealing , and also the feature of the fabric's toughness and functional characteristics of composite materials, The whole machine consists of feeding device, extruder, t-die, unwinding part, compounding part, winding part, correcting device, corona, trimming device, Cooling system, electrical measurement and control system and other components. The entire production process is environmentally friendly and pollution-free, and the finished product is more beautiful and

Main item

| | |
|------------------------------|--|
| Suit laminating resin : | LDPE |
| Suit base material : | paper (70—425g/m ²) |
| Max mechanical speed : | 300m/min, maximum working speed : 250m/min |
| Coating width : | 500—1200, guide roller width : 1300mm |
| Coating thickness : | 0.012—0.5(Single screw) |
| Coating thickness error : | ≤±5% |
| Auto tension setting range : | 3—70kg full margin |
| Max extruder quantity : | 200 kg/h |
| Compound cooling roller : | Ø800×1300 mm |

| | |
|-------------------------|---|
| Screw Diameter : | Ø110mm ratio35 : 1 |
| Max unwind diameter : | Ø1600mm |
| Max rewind diameter : | Ø1600mm |
| Unwind paper core dia : | 3" 6" and Rewind paper core diameter : 3"6" |
| Extruder is drove by : | 45kw |
| Total power : | about 180Kw |
| Machine weight : | about29000kg |
| Outside dimension : | 16100 mm×1050 0 mm ×3 850 mm |
| Machine body color : | Grey and Red, other color you can select also |

| | |
|---|--------------|
| First unwind part | 1 set |
| Compound unit | 1 set |
| Pneumatic round knife edge cutting | 1 set |
| Extrusion unit | 1 set |
| corona processor | 2sets |
| Rewinding Unit | 1 set |
| Drive Section | 1 set |
| Control Unit | 1 set |

Others

Details Structural configuration

First unwind part

| | |
|---------------------|--------------|
| Unwind frame | 1 set |
|---------------------|--------------|

| | | |
|---|------------|------|
| Compound roller : | Ø800×1300 | 1pc |
| Rubber roller : | Ø260×1 300 | 1pc |
| Back press roller : | Ø300×1300 | 1pc |
| Compound hydraulic cylinder : | Φ 65 × 150 | 2pc |
| Peer off rubber roller : | Ø130×1300 | 1pc |
| 11kw motor(zhejiang) | | 1set |
| 11KW frequency controller (Toshiba Japan) | | 1set |

Rotary joint:2inch,2 pieces,5inches,4 pieces (Shandong) Total 6 pcs

| | | |
|------------------------|---|-------|
| Friction roller: | Φ 700x1300mm | 1 pc |
| Rewinding motor: | 11 kw | 1 set |
| Rewinding reducer: | Hard tooth surface helical gear reducer | 1set |
| Frequency converter: | 11kw | 1 set |
| Support roller reducer | | 1set |

| | | |
|---|------|--------|
| Picking reducer | | 1 set |
| Working reducer | | 1 set |
| Unloading hydraulic station | | |
| PLC programmable controller (hollsys) | | 1set |
| Touch screen screen man-machine interface | | 2 pcs |
| Ac vector inverter | 45kw | 1pc |
| Ac motor | 11KW | 2pc |
| 45KW (shanghai lichao) | | 1set |
| 11kw (Zhejiang) | | 2 sets |
| Low friction cylinder (SMC,Japan) | | 4sets |
| Temperature module | | 18sets |
| Ac contactor (Schneider,France) | | |
| button (Schneider,France) | | |
| T-die (TAIWAN GMA) | | 1 set |

Customer self provide facilities

Equipment space and foundation

Facilities supply for Machine electrical cabinet

Water supply to the machine facilities in and out of the gate(Buyer prepare chiller and tower)

Gas supply to the machine set in and out of the stomatal

Exhaust pipe and fan

Collect, loading and unloading of base material the finished tool

Other facilities not listed in contract

Warranty

We guarantee 12months after the installation in the buyer's factory

We are not responsible for the damage caused by misuse, improper handling and neglectful maintenance.

KAIZENKAP DIS TICARET

Cavusoglu Mah. Meseli Sok. NO: 6/1 ISTANBUL – TURKEI

info@kaizenkap.com

<http://www.kaizenkap.com>

PHONE: +90 216 387 88 37



SPECIFICATIONS

Kaizenkap paper cup double side extrusion coating machine

SJFM series extrusion coating lamination machine is an eco-friendly machine. The principle of the process is that the plastic resin (PE/PP) are plasticized by the screw and then extruded from the t-die. After being stretched, they are attached to the surface of the base material (paper/nonwoven/woven, etc), or between the base materials to make these two layers compounding. After cooling and shaping, the final product has the feature of film's barrier and heat sealing, and also the feature of the fabric's toughness and functional characteristics of composite materials. The whole machine consists of feeding device, extruder, t-die, unwinding part, compounding part, winding part, correcting device, corona, trimming device, Cooling system, electrical measurement and control system and other components. The entire production process is environmentally friendly and pollution-free, and the finished product is more beautiful and

Main item

- | | |
|---|--|
| 1. Applicable coating film resin : | Coating grade like LDPE 、 PP etc . |
| 2. Based material : | paper(35-350gsm) |
| 3. Max working speed : | 100~150m/min |
| 4. Min./ Max width of coating film : | 500mm-1200mm |
| 5. Thickness of coating film : | 0.01-0.05mm |
| 6. Inaccuracy thickness of coating film : | ±5% |
| 7. Setting range of Auto-tension : | 10-200kg/entire width (constant tension) |
| 8. Max extrusion : | 300kg/h |
| 9. Compound cooling roller : | Φ500×1 300mm (canchoose) |

- 10.Total power : about 250kw
- 11.Working power : 100kw-150kw
- 12.Max rewinding diameter : Φ 1300mm
13. Inside diameter of base material : Φ 76
14. Machine total weight : about30000kg
- 15.Overall dimension : 18000mm×10000×3600mm (L×W×H)
- 16.Machine color : can choose



Main equipment introduction

- | | |
|-----------------------------------|-------|
| 1. Feeding part | 1SET |
| 2. Corona Treater | 3SET |
| 3. Extrusion and compounding part | 2SETS |
| 4. Extruder | 2SETS |
| 5. water chiller | 1SET |
| 6. Trimming part | 1SET |
| 7. Rewinding part | 1SET |
| 8. Control Unit | |
| 9. Others | |
| 10. Supporting facilities | |

Main equipment Details

Double work-station bearing feeding frame

Air expansion feeding shaft (ZHEJIANG)

Effective width: 1200mm

Max feeding diameter: $\Phi 1300\text{mm}$

Inside diameter of paper core : 3inch

Max weight air-expansion shaft support: 1000kg

Tension setting: 10-200kg

Tension control accuracy: $\pm 0.2\text{kg}$

Magnetic powder Brake (ZHEJIANG) 2 sets

Automatic tension control (ZHEJIANG) 1 set

Air-expansion feeding shaft 3 inch (NINGBO) 2pcs

Photocell edge regulating (CHONGQING) 1 set



Car type extrusion machine

T-type die head (TTJC)

Automatic feeding equipment (Guangdong)

Automatic hydraulic changes filter (Our Factory patent)

Extrusion machine can move back and forth, up and down.

Screw and charging barrel linkage area are all heated with infrared heating units.

High power and harden gear speed reducer (GUOTAIGUOMAO)

Temperature is controlled by Digital temperature controller automatically.(OMRON)

Stainless steel hopper

Six screw and charging barrel heating zones are controlled independently.

Seven die head heating zones are controlled independently Specification:

1-feeding equipment details

2-corona treater 3 set

| | |
|---------------------------------------|-------|
| 3-Extrusion and compounding equipment | 2 set |
| 4-Extrusion equipment | 2set |
| 5-water chiller | 2set |
| 6-Trimming part | 1set |
| 7-Rewinding equipment | 1set |
| 8-Control unit | 1set |
| 9-other equipment | |
| 10-Supporting facilities | |
| 11-spare parts | |

Supporting facilities—

-Offer by customer self

Power: 3 phase 380V 50Hz (three phase four wire system)

Barometric pressure: 6~8/kg/cm²

Water pressure: 2~3kg/cm²

Warranty

We guarantee 12months after the installation in the buyer's factory

We are not responsible for the damage caused by misuse, improper handling and neglectful maintenance.

KAIZENKAP DIS TICARET

Cavusoglu Mah. Meseli Sok. NO: 6/1 ISTANBUL – TURKEI

info@kaizenkap.com

<http://www.kaizenkap.com>

PHONE: +90 216 387 88 37