

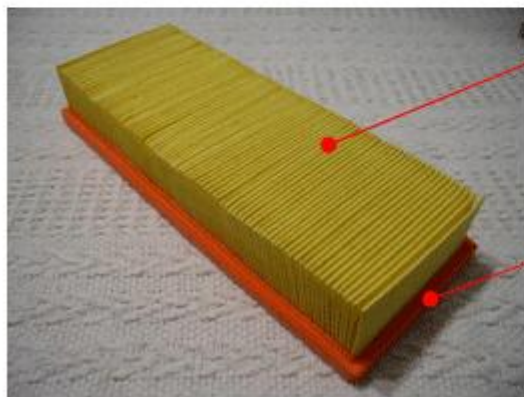
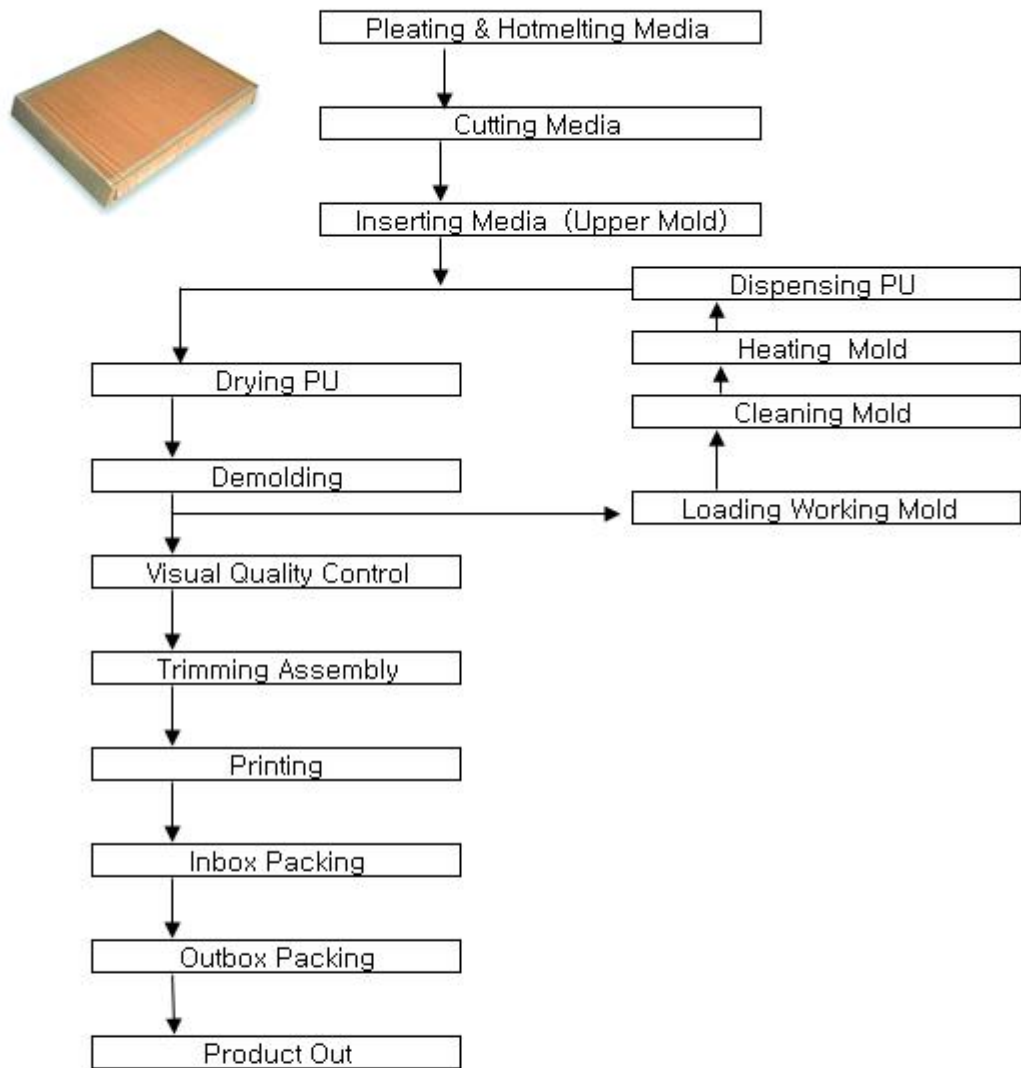


**Filter Machinery Specialist  
Design, Supply & Technical Support**

**Panel Air Filter Production Line**

**Sun Hong Filter Machinery Co., Ltd**

# Air Filter Production Line Flow (Polyurethane Type)



Rotary Paper Pleating M/C  
High-Speed Rotary Media Pleating M/C

Auto X-Y PU Foaming M/C  
Turn Table Dry Oven  
PU Burr Cutting Device

## Machine Solutions--Panel Air Filter Line

### 1.YGPG-350 Panel Air Filter Pleating Production Line

#### I. General Description

This machine is used to produce the automobile panel air filter.

#### II. Equipment Components

- 1.Paper de-coiler
- 2.Water steam device
- 3.Pleating machine
- 4.Hot melt applicator
- 5.Belt conveyoyr
- 6.Auto counter



#### III. Specifications

- 1.Pleating width: 90-320mm
- 2.Pleating height: 20-58mm
- 3.Pleating speed: 5-25m/min (adjustable)
- 4.Temperature control: 0-300 degree
- 5.Heating power: 8.5Kw
- 6.Pleater power: 1.75Kw
- 7.Conveyor power: 0.75Kw
- 8.Conveyor speed: 0-5m/min (adjustable)
- 9.Air pressure: 0.6Mpa
- 10.Power supply: 380V/50Hz
- 11.Machine weight: 1100kg
- 12.Machine size: 7500mm\*950mm\*1750mm (L\*W\*H)

#### IV. Features

- 1.Both the working speed of the machine and transmission speed of conveyer belt are controlled by computer, and can be easily adjusted.
- 2.Both embossment and pleat-block formation are finished on the identical pairs of rollers with high precision;
- 3.The temperature can be predetermined in accordance with the requirement of the technical process. When the pleating machine runs and the heater will start to work automatically.
- 4.It adopts the water steam device, which is advantageous to prevent the paper from breaking when it is marked by rollers.
- 5.Melt quickly, the glue dispensing quantity can be easily controlled by frequency converter;
- 6.Set the pressure control unit in glue feeding circuit to ensure the circuit safety.
- 7.Both the rubber hose and nozzle are independently controlled in terms of temperature, and easy to operate.

## Machine Solutions-Panel Air Filter Line

### 2. PU-20F Full Auto PU Dispensing Machine

#### I. General Description:

This machine is mainly used to pour PU material for the automobile air filters or industrial filters.

#### II. Machine components

1. Tank: three-layer stainless steel tank with stirring and automatic constant temperature preservation function;
2. Pump: slow speed, high precision flow control imported pump with precise transmission and display devices;
3. Mixing head;
4. Worktable: X-Y worktable;
5. Control: temperature, pressure and pouring quantity is automatically controlled and digitally displayed;

#### III. Specifications:

1. Total output: 5-15g/s mixing ratio: A:B= 100:25-35
2. Nozzle travel after pouring: 450mm
3. Max size for rectangle: 400\*300mm (L\*W)
4. Max size for round: dia 350mm
5. Travel speed: 2-10m/min
6. Total power of the machine: 8Kw
7. Power supply: 380V/50Hz
8. Machine weight: 1000kg
9. Machine size: 1500mm\*2000mm\*2100mm (L\*W\*H)

#### IV. Features:

1. Digital display and PLC control;
2. Stable and precise measuring and constant temperature control;
3. The machine has the X-Y worktable, which can be used for panel air filter, round air filter and special shape.



## Machine Solutions-Panel Air Filter Line

### 3.YGHD-64 Curing Oven for PU Filters



#### I. General Description:

This conveyor line is used to cure the PU material after injection and it can be designed for different workstations and shapes according to the production capacity requirements.

#### II. Specifications:

- 1.Workstations: 64 station or customized;
- 2.Conveying speed: 1-6.5m/min, adjustable;
- 3.Total power of the machine: 27Kw;
- 4.Power supply: 380V/50Hz
- 5.Machine weight: 1200kg
- 6.Machine size: 15000mm\*1600mm\*2200mm (L\*W\*H)

## Machine Solutions-Panel Air Filter Line

### 4.Panel Air Surface Dispensing Machine



#### I. General Description:

This machine is used for dispensing hot melt lines on the surface of the panel air filter.

#### II. Specifications

- 1.Production efficiency: 6pcs/min
- 2.Hot melt applicator capacity: 10kg
- 3.Heating power: 6Kw
- 4.Air pressure: 0.6MPa
- 5.Machine power: 120w
- 6.Power supply: 380V/50Hz
- 7.Machine weight: 250kg
- 8.Machine size: 2100mm\*520mm\*1130mm (L\*W\*H)
- 9.Hot melt applicator size: 830mm\*600mm\*1400mm (L\*W\*H)

## Machine Solutions-Panel Air Filter Line

### 5.PU Trimmer



#### I. General Description

This machine is used for PU filters trimming.

#### II. Specifications

- 1.Voltage: 220V/50Hz;
- 2.Power: 250W;
- 3.Max rotation speed: 5380SPM;
- 4.Machine size: 560\*245\*485mm;
- 5.Machine weight: 30kg.



## **Filter Machinery Specialist Design, Supply & Technical Support**

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