



# NINGBO PROCOLOR CO., LTD

Address: No.301, West-Jingu Middle Rd., Yinzhou, Ningbo, China

Tel: +86 574 88139809

Fax: +86-574-88139027

Email: sales@pro-color.cn

services@pro-color.cn

---

## LAB SPINNING & NON-WOVEN TEST MACHINE



(The machine through the European CE safety certification, photos are for reference only)

### 1、 Extruder

Type  $\phi 25$

length to diameter ratio 28:1

max temperature 320°C。

Drive P=3KW

Drive AC

Speed Reducer

## 2、 Spin Pump 2.4cc/rev

Drive for spin pump/VFD

AC-Drive P=0.75KW

## 3、 Quench Chamber

Width 150mm

Height 500mm

with air rectifier ,air supply channel ,cooling air fan and air quantity adjustment device

## 4、 Spin Finish Unit

Frequency Conversion Nozzle Oiling

Circulating Conveyer

## 5、 Draw system

3 sets of hot godetes $\phi$ 125mm\*125mm

All godetes coated

Speed $\leq$ 1200m/min

Induction heating 70~200°C

## 6、 Winder

One yarn package, Friction drive

Speed $\leq$ 1200m/min

Thread suction gun

Paper Tube Inside Diameter $\phi$ 75mm\*150mm

## 7、 Spinning Group

Bottom installed

Round spinneret 1 set, inc. distributing plate & diffuser plate

## 8、 Non-woven fabric forming system

### 1、 Draw system

Type-VI drafter, Adjustable wind and position

Blower power 2.2KW

Draft fan power 2.2KW

### 2、 Hot rolling device

Smooth roller\*1

Embossing roller\*1

Electrical heating rod, power 2KW of each

### 3、 Conveyer Net

Nylon Netsize 2500mm  $\times$  220mm

Effective width $\leq$ 100mm

### 4、 Winder

Torque motor

Container size:  $\phi$ 69mm\*285mm

## 9、Steel frame with Ladder

## 10、Control Cabinets

Main supply with main switch

Emergency stop system

AC-drive system Bosch

Melt pressure measuring before spin pump

Melt pressure measuring after spin pump

Temperature controller

Heat current control for all heating zones of the extruder and spin head

All cabinets connections between the control cabinets and the line

All cables offered by us, except the inlet of main supply from outside

Cable guides are not in the scope of supply of Fangchen

## 11、Spare Parts incl.

No.	Name	Qty	Remarks
1	FILTER NET	100	
2	SPINNETRET	3	120 round holes*3
3	THERMOCOUPLE	2	
4	PLATINUM RESISTOR	3	
5	SPIN PUMP CONNECTION SHAFT	1	
6	HEATING ROD	3	
7	FIBER CONTAINER	100	50*2types
8	KNOT KNIFE	20	
9	RABBIT HEAD	5	
10	WIRE HOOK	2	
11	ROLLER DISCHARGER	1	