



# NINGBO PROCOLOR CO., LTD

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

Tel: +86 574 88139809

Fax: +86-574-88139027

Email: sales@pro-color.cn

services@pro-color.cn

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## LAB SPINNING TEST MACHINE-POY/FDY

### PA6, PET, PP FIBER



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

#### 1、 Extruder

Type  $\phi 30$

length to diameter ratio 28:1 with mixing head

Material: 38CrMoAl marcomized

Cast copper heating ring, three section heating

Drive P=4KW frequency control

Speed reducer

Water cooling

#### 2、 Spin Pump 2.4cc/rev

Drive for spin pump/VFD  
AC-Drive P=0.75KW  
stainless steel heating rod

### **3、 Quench Chamber**

Width 1500mm

Height 350mm

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**

Galette \* 1

Oil cooling, 2 sets of hot rollers, 4 zone temperature control  
control accuracy  $\pm 1^{\circ}\text{C}$

Speed and temperature range of hot roll

GR1 2500m/min, 0-120 $^{\circ}\text{C}$  ;

GR2 4500m/min, 0-180 $^{\circ}\text{C}$  。

4 drivers with 3kw power

### **6、 Winder\*2**

VFD

Speed 1200-4500m/min

### **7、 Spinning Group**

Bottom installed

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

### **8、 Steel frame with Ladder**

### **9、 Control Cabinets**

Main supply with main switch

Emergency stopsystem

AC-drive system Bosch

Melt pressure measuting before spin pump

Melt pressure measuting after spin pump

Temperature controller

Heat current control for all heatingzones 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

**10, Spare Parts incl.**

No.	Name	Qty	Remarks
1	FILTER NET	50	
2	SPINNETRET	6	36/48 round holes*2 Trefoil hole*2
3	THERMOCOUPLE	3	
4	SPIN PUMP CONNECTION SHAFT	1	
5	HEATING ROD	5	
6	FIBER CONTAINER	50	
7	Nose Components	2	
8	DISCHARGER	1	