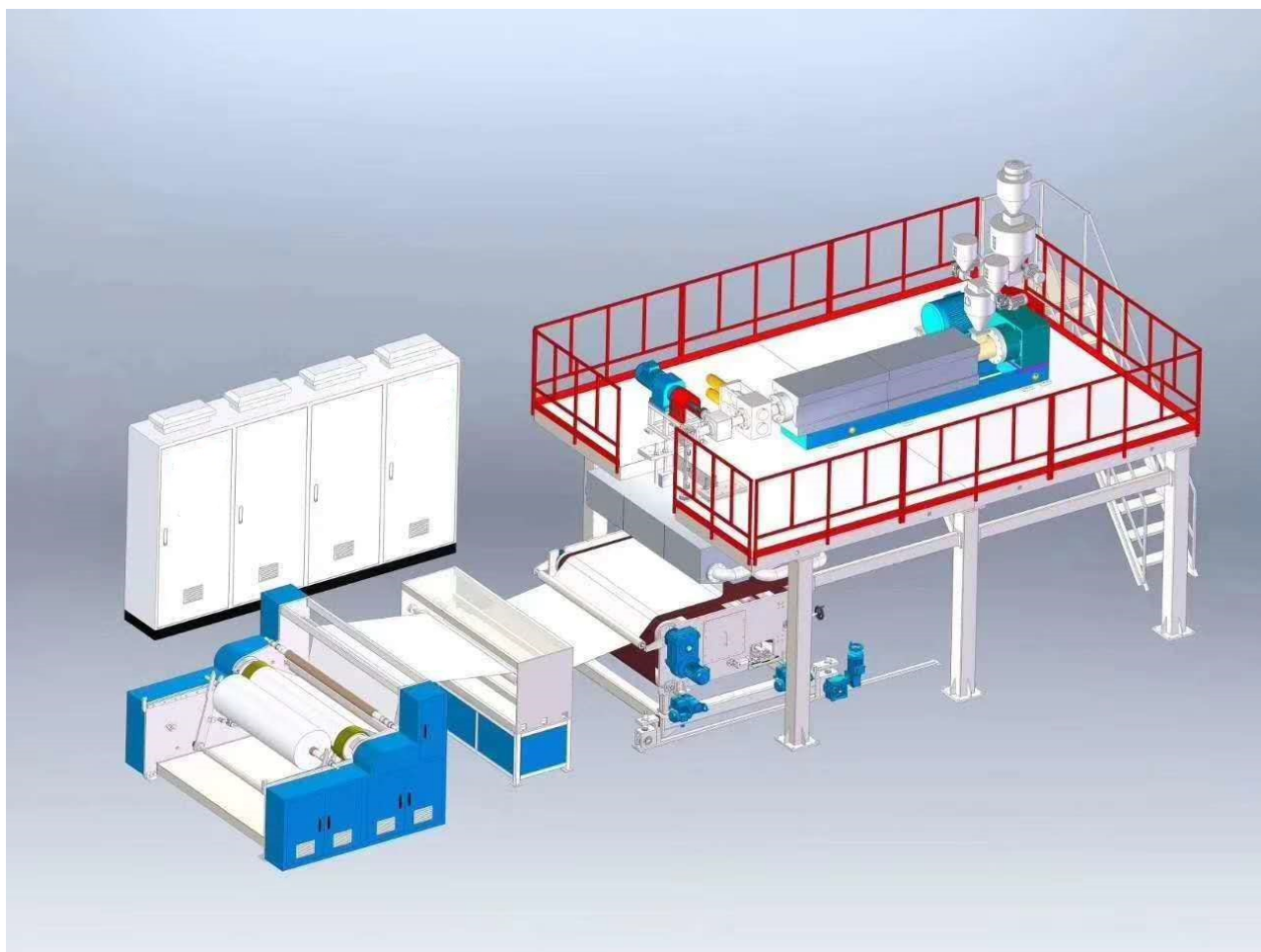


800mm PP Melt blown Nonwoven Fabric Production line



1. Overview		
1.1、 Use condition		
1.2、 Product name	Melt-blown filter materials, mask filter materials	
1.3、 Raw material	MFI=1200~1800 Polypropylene raw materials	
1.4、 Nozzle specifications	Width: 800mm	
1.5、 Installed power	about 90KW	
1.6、 Yield	about 400-450kg/day	

2. Equipment List		
Name	Quantity	Remark
2.1、 Hot air dryer	1 Pc	

2.2、Suction device	1 Pc	
2.3、Screw rod extruder	1 Pc	
2.4、Screen changer	1 Pc	
2.5、Measurement Pumps	1 Pc	
2.6、Melt material pipe	1 Pc	
2.7、Combined melt-blown die head	1 Pc	
2.8、Process hot air system	1 Pc	
2.9、Air heater	1 Pc	
2.10、Suction fan	1 Pc	
2.11、Connection air duct	1 Set	
2.12、Web forming machine	1 Pc	
2.13、Cutting and winding machine	1 Pc	
2.14、Electrical control system	1 Set	
2.15、Electret processing equipment	1 Pc	

3、Detailed technical configuration		
3.1、Hot air dryer		
Quantity	1 set	
3.2、Suction device		
Suction capacity	100Kg/h	
Motor power	2.2KW	
3.3、Screw extruder		
Screw rod cylinder	Jinhailuo	
Material	38CrMoAlA	
Nitriding depth	0.5-0.7mm	
Screw rod hardness	HV \geq 740	
Cylinder hardness	HV \geq 940	
Aspect ratio L/D	30:1	

Screw rod diameter	65mm
Cylinder heating area	5 th . Area
Total heating power	about 15KW
Heating mode	Cast aluminum heating
Driver	
Motor	AC
Speed controller	JWELL or similar brand
Motor power	22KW
Gearbox	
Cabinet material	QT200
Gear form	Helical gear
Gear material	20CrMnTi
Heat treatment of gear surface	Gear surface quenching
Thrust bearing	Domestic high-quality bearings
Lubrication system	Pressure lubrication system
Cooling system	Internal cooling and forced circulation cooling
Rotating speed	10-80r/min
3.4、Screen changer	
structure type	Double station plate
Screen change driver	Hydraulic system, manual control
Pressure Sensor	Domestic Chengdu Xianda brand
3.5、Measurement Pump	
specification	50CC
AC frequency conversion control	Danfoss frequency conversion control
Driver	Frequency conversion motor
Drive motor power	2.2KW
Pressure Sensor	Italian Jeffren brand before the pump, domestic brand after the net before the pump

3.6、Melt material pipe	
Material	Seamless stainless steel pipe
Heating mode	Electric heating
Insulation form	Rock wool + stainless steel external insulation
3.7、Combined melt-blown die head	
material	1Cr17Ni2
Spindle hole diameter	0.2mm
Spindle hole length to diameter ratio	10:1
heating power	10KW
Equipped with a set of plate with 0.2mm spinneret, the spinneret transforms the melt into a thin stream, which is formed into ultra-fine fibers after being drawn by high-temperature and high-speed airflow.	
3.8、工艺热空气系统	
进口流量	11m ³ /min
功率	15KW
罗茨风机	提供高压空气，以使牵伸空气的速度达到工艺要求的范围,通过变频器，可以方便改变罗茨风机输出的空气流。
3.9、Process hot air system	
Heating power	80KW
Material of tank and pipeline	Stainless steel
Insulation form	Enclosed with stainless steel outside the insulation layer
Air heating tank	The air output from the Roots fan is heated to reach the temperature required by the process.
3.10、Suction fan	
Power	4KWx2

3.11、 Connection air duct	
Material	Stainless steel
3.12、 Web forming machine	
Linear velocity	0-50m/min
Net curtain material	PA
Net curtain form	Overlapping structure
Spinning distance adjustment	±150mm
Installation type	Horizontal movement
Drive power	2.2KW
3.13、 Cutting and winding machine	
Linear velocity	0-50m/min
Number of cutters	3 Pcs
Shaft	Paper tube core 3 inches
Maximum diameter of winding	800mm
3.14、 Electrical control system	
Operation screen	Siemens or equivalent
PLC	Siemens or equivalent
Frequency converter	DWELL or equivalent
Contactator	Siemens
Relay	IDEC or equivalent
Low voltage circuit breaker	Schneider or equivalent
air switch	CHNT
Button and switch indicator	Schneider or equivalent
Indicator instrument	Autonics or equivalent
3.15、 Electret processing equipment	
Input voltage	220V/50HZ



Maximum output voltage	12KV
Processing range	600mm

Spare parts list	
Extruder heating ring	1 Pc
Thermocouple	5 Pcs
Disassemble tools for screw rod	1 Set
Electromagnetic valve	2 Pcs
Contactactor	2 Pcs
Relay	2 Pcs
Air switch	2 Pcs
Heating rod for screen changer	6 Pcs
Heating rod for measurement pump	4 Pcs

Service commitment:

1. Provide free plant and equipment installation design for customers' reference.
2. Free training of equipment maintenance and operation personnel for customers. (including mechanical and electrical)
3. Free installation and layout design, installation and commissioning of equipment for customers, and secondary training for the demand-side operators during the installation and commissioning process.
4. Within 24-48 hours after receiving the customer service notification, make an immediate response. If necessary, we will reach the customer's site in 48-72 hours for service.
5. ICT Company will perform regular maintenance on customer equipment.
6. After the equipment warranty period expires, ICT will provide customers with timely and fast spare parts supply at preferential prices.
7. The equipment warranty period is one year; the equipment is maintained for its lifetime. After the warranty period, beside the accessories fee for the maintenance, no other fees will be charged. If you need us send personnel to the site for maintenance, the travel expenses, accommodation and dining expenses of the service personnel will be charged with the customer.