

TECHNICAL PROPOSAL

FOR MF01-002 MID-SCALE NANOFIBER PRODUCTION LINE



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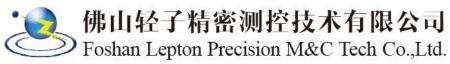
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1. Technical Specifications

- 1.1 Product Name&Model: <u>Mid-scale Nanofiber Production Line MF01-002</u>
- 1.2 Equipment Parameters and Standard Configuration

MF01-002 Standard Configuration Parameters				
No.	Item	Parameters and Configuration	Qty.	
1	High Voltage Power Supply	-Output voltage DC: 0~50KV, current≤2mA	2 Set	
2	Solution Feeding System	-Precision metering pump provides stable solution feeding -50~100ml/h continuously adjustable	2 Set	
3	Rewinding device	-50~100ml/h continuously adjustable -Unwinding device, 3 inch air expansion shaft continuous unwinding,maximum winding diameter 300mm,magnetic powder maximum braking torque 12 N.m; -Winding device, 3 inch air expansion shaft continuous winding,maximum winding diameter 300mm,winding tension control range 0-100 N, control accuracy 0.5%; -The winding speed is continuously adjustable within the range of 0-5m/min; -Deviation rectifying device: the winding includes automatic deviation rectifying, and the deviation rectifying precision is 1mm. -The guide rolls directly contacting the fiber membrane are treated as a release;		
4	Spinning Nozzle Device	-Single set of spinning nozzles device: trapezoidal array 16 pins * 4 or 32 pins*2 -128 needles in total for spinning nozzle.		
5	Collection Platform	-The base metal plate is used as a grounding end or a negative electrode, and a continuous non-woven fabric or a melt-blown fabric as a substrate to collect nanofiber continuously;		



		-The substrate width is 660mm, and the spinning		
		receiving area is ≥660mm*600mm;		
		-Spinning receiving distance 100-200mm.		
		-Temperature control adjustment range: room		
6	Environmental Control	temperature to 50°C, temperature deviation \pm 3°C;		
		-Humidity control adjustment range: indoor	1 Set	
		humidity to 30% RH, humidity deviation±3% RH;		
		-The exhausting method is from bottom to top,		
7	Exhaust System	silent exhaust;	1 Set	
		-Exhaust rate is approximately 120 m3/h.		
	Control System	-7-inch color touch screen, Chinese operation		
		interface.		
		-Control the parameters such as the reciprocating		
		movement time, speed and stroke of the spinning		
		nozzle device;		
8		-Detecting the temperature and humidity in the	1 Set	
		spinning chamber and controlling the target		
		parameters;		
		-Controlling the drying temperature and the		
		substrate winding speed control of the rewinding		
		and unwinding device .		
9	Drying Equipment	-Accelerate the rapid evaporation of the residual		
		solvent of the nanofiber membrane;	4.6.	
		-The drying temperature is adjustable within the	1 Set	
		range of 0-60°C;		
10	Power Line	220V,63A	1 Set	
11	Dimension of Equipment	1500mm(L)*1050mm(W)*2000mm(H)		
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1.3 Consumables and Delivery Materials

Consumables and Delivery Materials							
No.	Materials	Specification	Qty.	Remarks			
1	Needles	22G	10 boxes				
2	Luer Joints	As standard	130pcs				
3	Use and Maintenance	A4	1 Set				

	Manual			
4	Product Qualification Inspection List	A4	1Set	

2. After-sale Service

- 2.1 Generally, the whole machine free warranty period is one year since debugging and acceptance is over, lifetime paid maintenance, consumables excluded.
- 2.2 The equipment installation adjustment test is completed, and it cannot be shipped due to customer reasons, thus the warranty period is one year from the date of contract delivery, and provide lifetime maintenance paid service.
- 2.3 For overseas service like assembly,installation,debugging or training service,etc.,if required and necessary,all the expenses would be absorbed by buyer.
- 2.4 If the users use the product incorrectly or refit the product, the unnatural damage isn't in the range of above free warranty, the users shall pay for the repair cost.