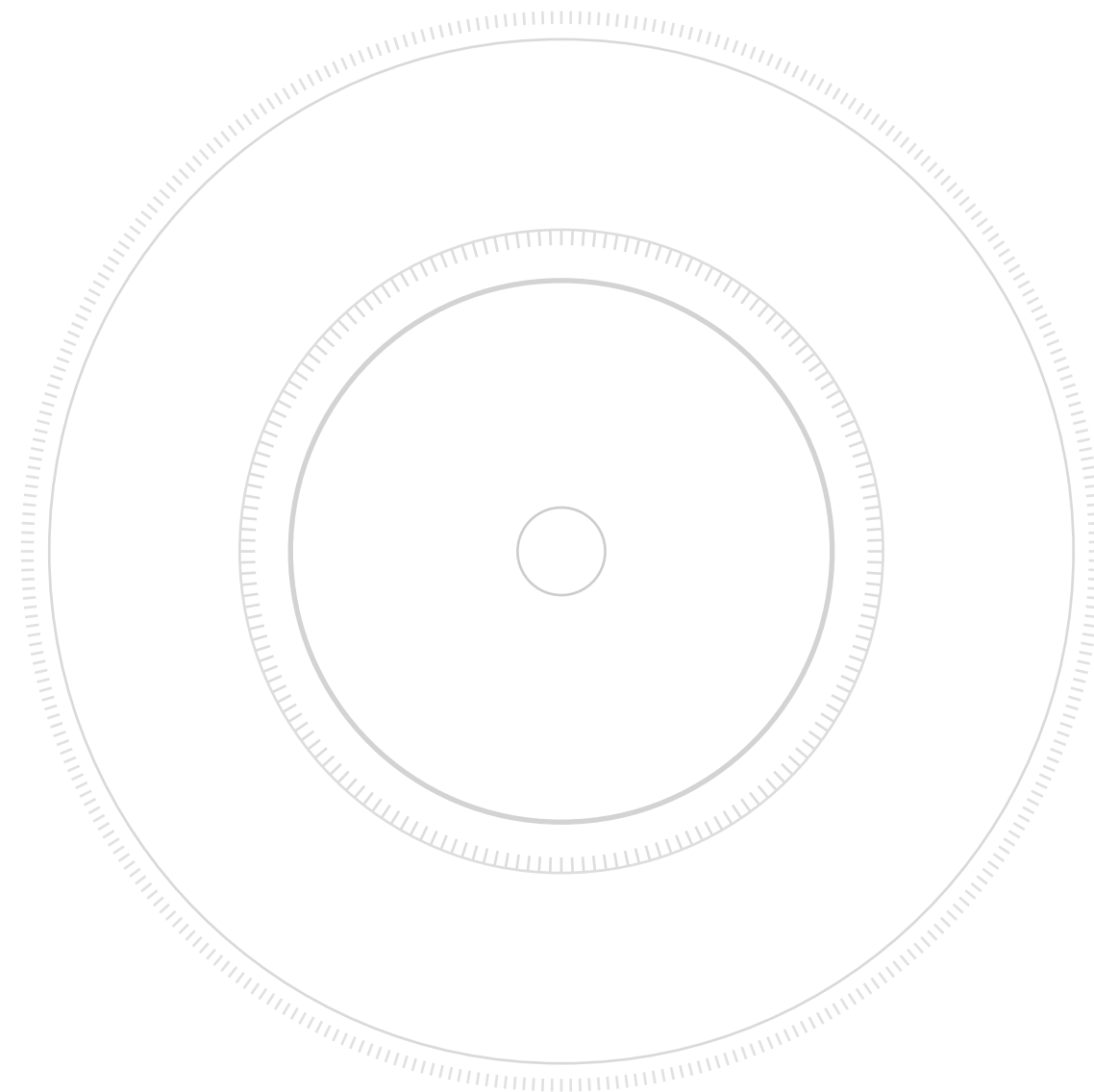


# CATALOG MACHINERY

---

*the art of philite*



[filter.philitee.com](http://filter.philitee.com)

+8613636563667

- 03 Automatic sewing line for fliter bag
- 06 Fabric strip slitting machine
- 07 Slitter rewinder fabric roll
- 08 Puncher for Produce snap band
- 09 Rocker arm type cutting machine for Punching disc
- 11 Long arm sewing machine with double needle
- 12 Short arm sewing machine with single/double needle
- 13 Flat table sewing machine with double needle
- 14 Feed off the arm sewing machine
- 15 Welding machine
- 16 Ultrasonic welding machine
- 17 Overlock sewing machine

## WHO WE ARE

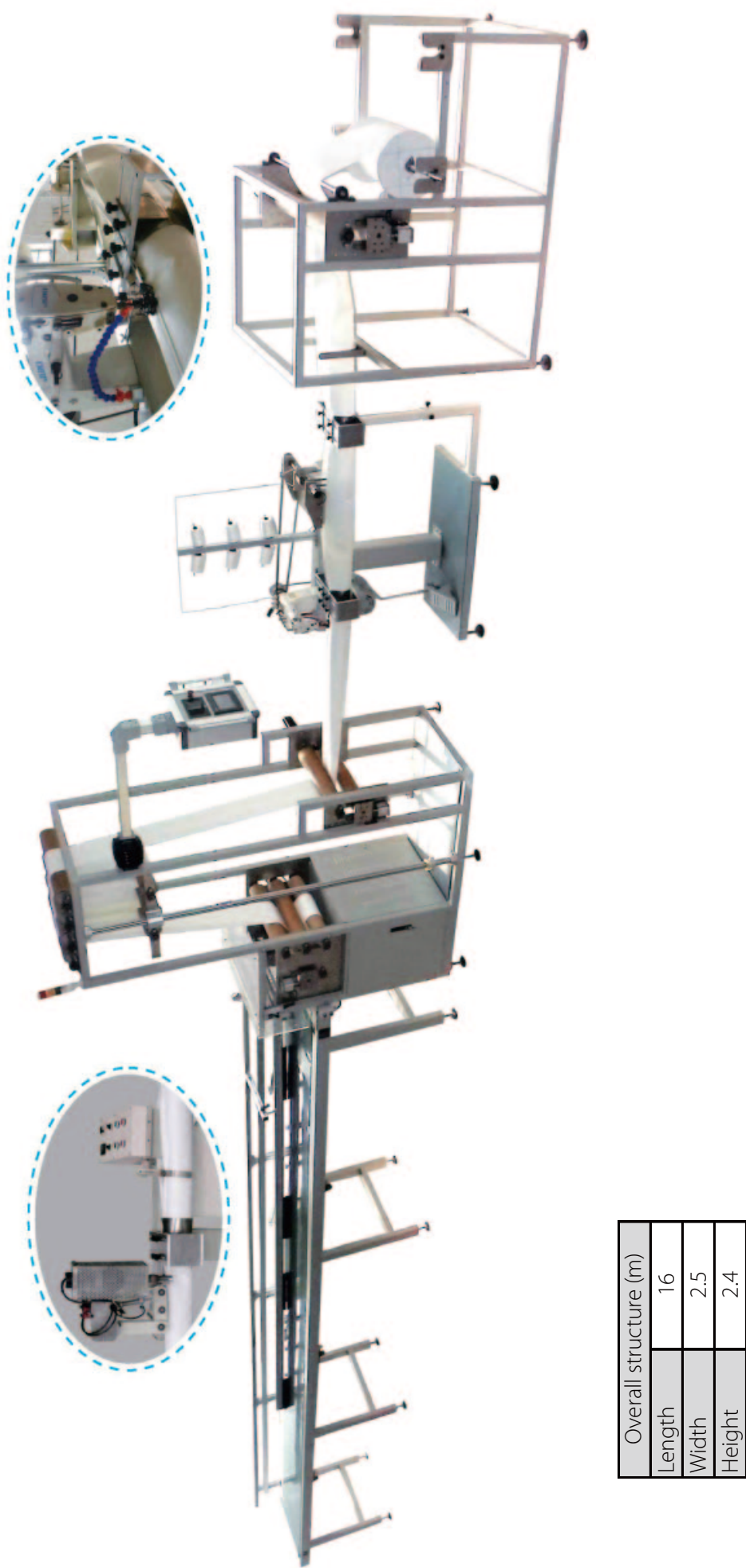
Philite's initially specialized in designing and manufacturing of sewing machine. We have rich experience and sophisticated technology system in the design and production of the sewing machine.

Complying with the huge demand of environmental protection industry for air filtration media, since 2009, the company has been committing to the design of automatic filter tube production line. After five years of continuous improvement, so far it has developed to the THIRD GENERATION of molding equipment and technically reaching maturity. Now we have been far ahead and reached the international advanced level.

In order to fullfill complete solution to filter bag making, our company introduce, develop and upgrade various machine models. With mature technology and good after-sales service, our products are exported to Europe, South American, Africa market and etc..



# MACHINERY



Overall structure (m)	
Length	16
Width	2.5
Height	2.4

Automatic sewing line for fliter bag (FM-LDZ-16 / FM-SDZ-6)

Production parameters

Speed	7-12M/Min
Power	3.5KW
Voltage	380V
Needle Distance	3.2/3.2MM
Current	20A

Parts parameters

Feeding Part (m)	
Dimension (LxWxH)	1.4x1.1x1.2
Max.Roll Width	1.1
Rubber Roller Diamater	0.1
Filter tube storage part (m)	
Dimension (LxWxH)	1.8cx0.7x2.5
Filter Tube storage Length (m)	>10

Set length cutting part (m)	
Dimension (LxWxH)	9x1.2x1.2
Max. Filter Tube Length	>10
Set Length Precision	Within 0.2mm
Automatic sewing part(m)	
Dimension (LxWxH)	1X0.6X1.8
Sewing machine	Juki-1261
Filter tube guidance diameter	0.12-0.3

Experienced workers can make 1000 pcs standard filter bags 8 hours a day.

Filter bag automatic sewing line is specially designed for filter bag ,compared with manual stitching , the needle distance is same and adjustable.

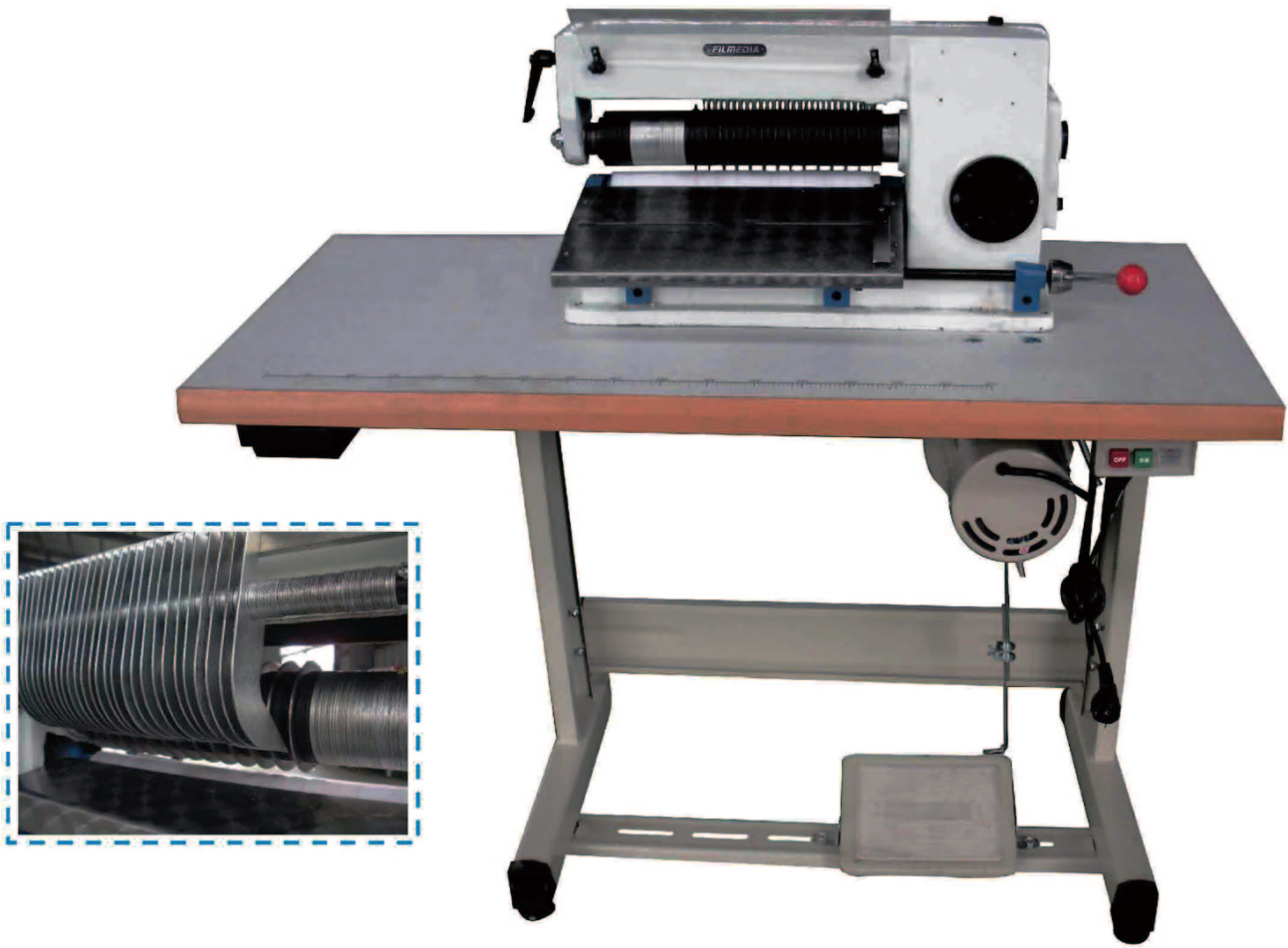
The seam width and filter tube size are stable , the length can be controlled more accurate.

It is good for installation of filter cage and the dust collector ,extend the lifetime of filter bag,secure bag house running in good condition.

Effectively reducing the labor costs,improving the work effeciency and the filter bag yield.

It is widely used for various needle felt and fiberglass filter cloth etc.

1  
PRE-PROCESSING  
MACHINERY



Fabric strip slitting machine (FM-FTJ-5)

Overall structure(m)		Actual Sizes	
Length	0.35	Actual Height(m)	1.1
Width	0.2	Actual Area(m²)	1.2X0.6
Height	0.3	Gross Weight(kgs)	60

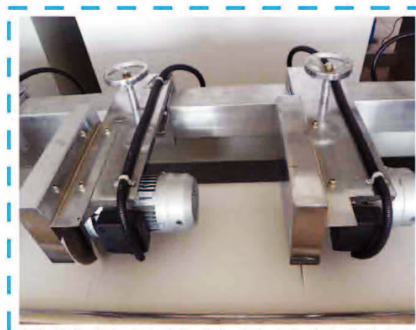
Production parameters

Max quantity of Knife	14	Strip Width(mm)	20-350
Power(W)	300	Thickness of fabric(mm)	0.5-10
Speed(m/min)	5	Voltage(V)	220/380
Max Width(mm)	350	Current(A)	2

According to adjust knob this machine can suit for slitting strip fabric and can adjust width between knives that can produce required size of strip fabric.

Features:1.Import lathe machining to ensure accurate. 2.Steady performance can improve capacity. 3.Durably and long working life





Slitter rewinder fabric roll (FM-FQJ-5)

Overall structure(m)		Packing Sizes	
Length	3.5	Using Height(m)	2.3
Width	3.4	Using Area(m <sup>2</sup> )	5.5X3.4
Height	2.3	Gross Weight(kgs)	600

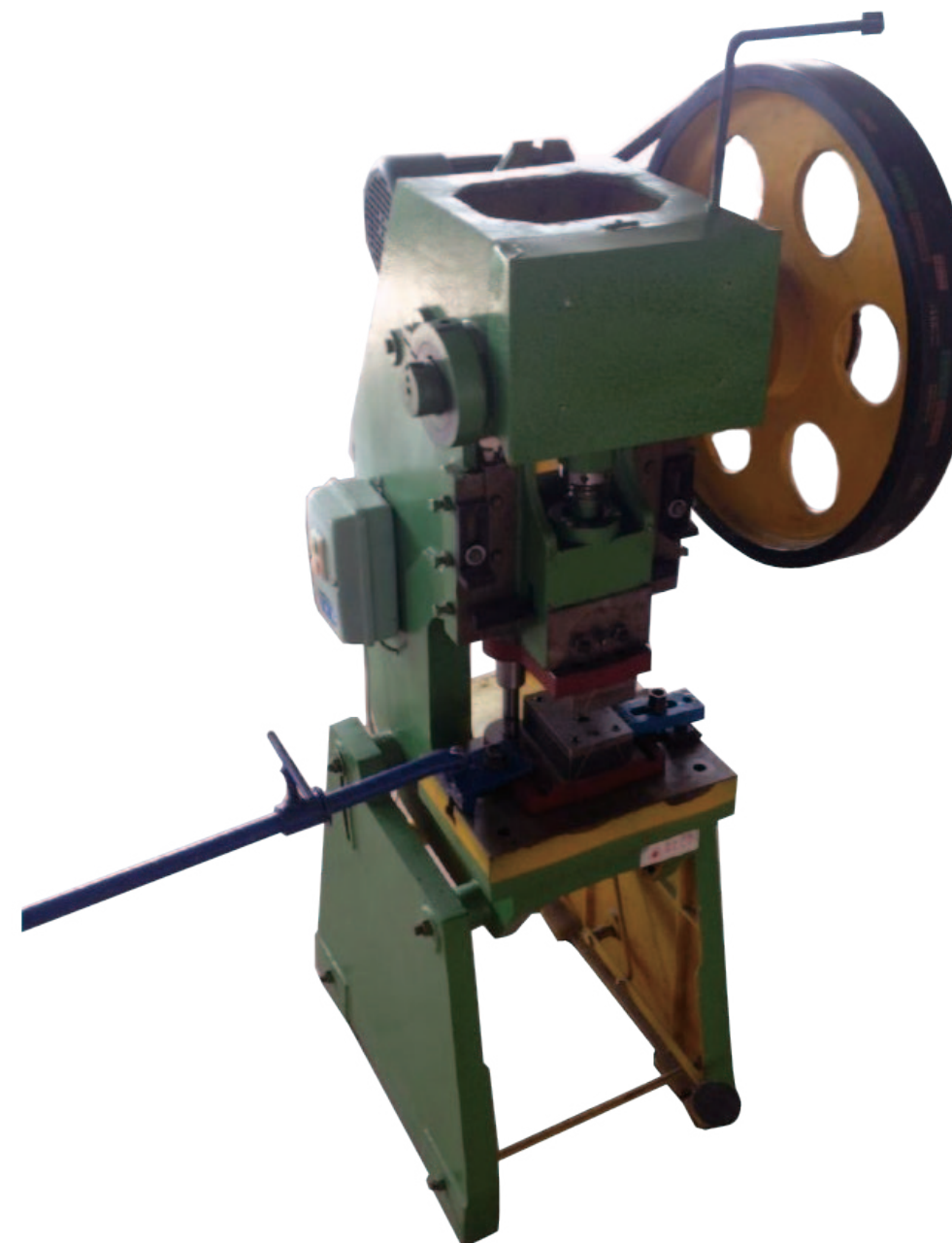
#### Production parameters

Max.Speed (m/min)	40
Power (kw)	3-8
Current (A)	20
Fabric Width (mm)	2500
Max. Thickness (mm)	8
Voltage (V)	380

Applied fabric: non-woven

Features:

- 1.With high working efficiency, it is easy to cut into various width
- 2.Operating conveniently, fabric rolls are tight and tidy
- 3.Intelligent feeding,secure fabric cutting width stable



Overall structure(m)	
Length	2
Width	2
Height	1.53

Actual Sizes	
Actual Height(m)	1.53
Actual Area(m)	0.54X0.9
Gross Weight(kgs)	800

#### Production parameters

Speed(m/s)	No limited
Power(kw)	0.75
Current(A)	10
Belt Width(mm)	20-40
Thickness of Belt(mm)	0.5
Voltage(V)	380

Puncher for Produce snap band (FM-CGD-4)

1. High-rigidity, high-precision rack, using steel welding and heat treatment to eliminate the internal stress fuselage to make the device long-term stability
2. The uniform load structural parts, steel balance.
3. Stable High: Equipment main components crankshaft, gears, drive shafts and other parts are hardened by heat treatment in the grinding process has a high abrasion resistance, stable long-term performance, ensuring the accuracy stability requirements.
4. Production automation, labor-saving, high efficiency.
5. Adjust the slider mechanism: Manual adjustment slider to adjust the divided electric adjustment, convenient and reliable, safe, fast, accuracy up to 0.1mm.



Production parameters

Speed(m/s)	0.08
Power(kw)	1.5
Voltage(V)	380
Current(A)	20
Max. momentum(T)	12T

(FM-CYD-10)

Rocker arm type cutting machine for Punching disc

Overall structure(m)		Actual Sizes		Part Sizes	
Length	0.7	Actual Height(m)	1.3	Rocker Width(mm)	320X420
Width	0.4	Actual Area(m²)	0.88X0.75	Stroke Range(mm)	50-140
Height	1.3	Gross Weight(kgs)	450		

Main properties and application

- 1. With a swing arm rotatably, operation and material selection and convenient.
- 2. The establishment of high quality seamless processing column, from top to bottom two holes support to ensure that the upper and lower pad rotation flexibility and reliability.
- 3. Using both hands to operate the switch, to ensure the operator safety.
- 4. The position of the swing arm by a hand wheel height adjustment of the upper end of the machine, punching stroke by the time the timer, thus can easily obtain the optimum cutting position to improve work efficiency and prolong the service life of knife mold and plate.
- 5. The use of inertia of the flywheel energy storage, energy saving, low power consumption characteristics.

2

POST-PROCESSING  
MACHINERY





Long arm sewing machine with double needle

Overall structure(m)		Working Sizes	
Length	1.35	Working Width(m)	0.1
Width	0.65	Working Length(m)	0.76
Height	1.25	Gross Weight(kgs)	120

(FM-CFY-760  
FM-CFY-960  
FM-CFY-1100)

#### Production parameters

Max Speed(rpm)	1100
Power(V)	220/380-550
Max needle distance(mm)	8
Arm Length(m)	0.76 / 0.96 / 1.1
Needle code	DP X 17
Max.Thickness of fabric(mm)	15
Voltage	220
Current	5

1. Synchronous feeding can prevent fabric slide.
2. Upper and lower shaft adopt synchronous toothed belt.
3. Knobs type disk is easy to adjust needle distance.
4. Clutch device prevent damage from overload operation.
5. The min. diameter of stitch bag body is 100mm.



Short arm sewing machine with single/double needle

Overall structure(m)		Actual Sizes	
Length	1.3	Actual Width(m)	0.1
Width	1.25	Actual Length(m)	0.25
Height	0.6	Gross Weight(kgs)	70

(FM-DFY-1, FM-DFY-2)

#### Production parameters

Max Speed(rpm)	1100
Power(V)	220/380-550
Max needle distance(mm)	8
Arm Length(m)	0.254
Needle code	DP X 17
Max.Thickness of fabric(mm)	15
Voltage	220
Current	5

The min. diameter of stitch bag body is 72mm. Double needles will stitching 2 lines in the same time and the stitch distance is more evenly.



Flat table sewing machine with double needle

(FM-PBY-2)

Overall structure (m)		Actual Sizes (m)	
Length	1.3	Actual Width	0.12
Width	0.65	Actual Length	0.38
Height	1.5	Gross Weight	60kg

#### Production parameters

Max Speed(rpm)	1000
Power(V)	220/380-550
Max needle distance(mm)	15
Needle Code	DP X 17
Max.Thickness of fabric(mm)	15
Voltage(V)	220

Mainly used for stitching bag bottom, fabric strip and filter press.



Feed off the arm sewing machine (FM-QBJ-3)

Overall structure (m)		Actual Sizes (m)	
Length	1.3	Actual Width	0.55
Width	0.65	Actual Length	0.6
Height	1.5	Gross Weight(kg)	60kg

#### Production parameters

Max Speed(rpm)	4000
Power(kw)	220/380-550
Stitch thickness	12
Max needle distance(mm)	4.2
Needle Gauge	1/4 1/8 3/16
Voltage(V)	220

The machine is suitable for light and medium-weight materials such as shirt, coats, jeans and slacks etc. With special feed-off-arm, it is specially designed for join sewing for sleeve and trouser's tubular section.





Welding machine (FM-HWL)

Overall structure(m)		Parts Sizes and Weight	
Length	1.4	Seam Width(mm)	15
Width	1.2	Gross Weight(kgs)	60
Height	0.6		

Production parameters

Material Thickness(mm)	0.5-2
Power(kw)	2.75
air pressure(pa)	0.3-0.5
Max Temperature(°C)	640
Current(A)	20
Voltage(V)	220

#### Main properties and application

- 1.Workers without auxiliary operation, automatic welding entire roll of cloth
- 2.By adjusting the size of the opening crimper can be realized in different bag diameter weld
- 3.Temperature, melt velocity, pressure rollers can be individually adjusted to accommodate different welding materials
- 4.Hot air temperature control within  $\pm 1^{\circ}\text{C}$ , thus ensuring the quality of welding
- 5.Of polypropylene, polyester, PPS, plastic can be welded
- 6.Upper and lower roller synchronous feeding initiative, effectively prevent the upper and lower layers of fabric layers move, dislocation



Production parameters

Frequency(khz)	15
Ari compressor(hp)	1HP,1-8BAR
Power(V)	220V / 4200W

Ultrasonic welding machine (FM-NC26)

Overall structure (m)		Actual Width (m)	
Length	0.45	Actual Width	0.55
Width	0.55	Actual Length	0.45
Height	1.1	Gross Weight (kgs)	220

1. The use of ultrasonic welding, no need to use needle and thread, eliminating the trouble of frequent needle exchange, there is no tradition of suture break joints situation, but also on textiles and tidy local shear and seal the suture also play a decorative role ,
- 2,The use of ultrasound and a special drum processing, and seal the edges without cracking, not to hurt the cloth edges and burrs
- 3, Manufactured without preheating, and continuous operation.
- 4, Simple operation, there is no difference between traditional sewing and ordinary workers can do easily
5. Low cost and high efficiency.



# OUR SERVICES

- 1. Technical Support of Filter Bags  
A lot of clients are confused about how to choose the right fabric and accessories, and feel helpless about lower the cost of bag filtration. The Philite's engineers, with 20 years experience, can provide a series of consulting, support and advice. All these services are free.
- 2. Mechanized production Solution for Filter Bags  
As a manufacturer, your surly know the higher the efficiency, the lower the costs. We developed two unique technological achievements for our solution to improve the efficiency of the filter bag sewing machine and hot welding machine in 4 long years. Now we are continuing to improve this service for our clients.
- 3. One-stop Purchasing of Filtration Products  
There are so large amount of Filtration Products, a lot of our clients had troubles during purchasing. We can help you save the time , all you have to do is send us the detail of the products. Especially the filter bag accessories, we suggest you choosing our "one-stop purchasing".

## Overlock sewing machine (FM-BFJ747-5)

Overall structure(m)		Actual Sizes		Parts sizes	
Length	0.47	Actual Width(m)	0.12	Stitch length(mm)	0.9 - 3.8
Width	0.35	Actual Length(m)	0.38	Needle pitch(mm)	3
Height	0.48	Gross Weight(kgs)	80		

## Production parameters

Max. Sewing speed(rpm)	4500
Max. Presser foot height(mm)	5
Differential rates	0.7-2.0
Sea width(mm)	4

The latest design, nice shape; it is suitable for knitted garments, underwear, shoes, T-shirts, silk, chemical fiber connector package seam, edging and other sewing operations

It is an affordable high-end sewing equipment; increased filter apparatus, so that the machine more stable performance.