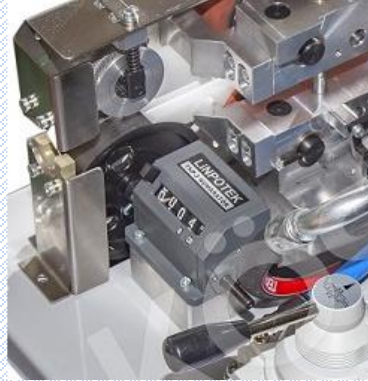


# MINIFOK

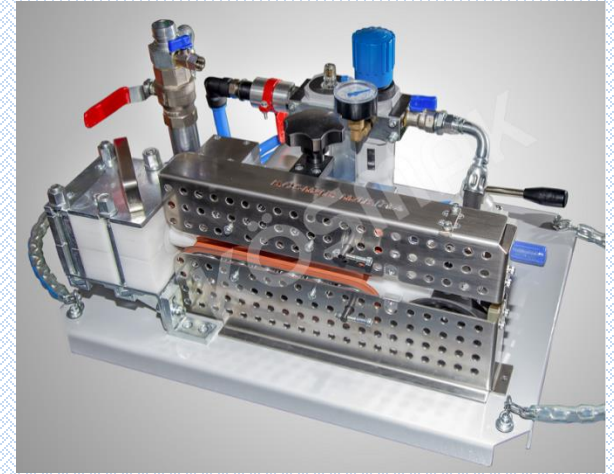
## (Mini Fiber Optic Cable Blowing Machine)

- Controll by technician.
- Duct Diameter =10 mm to 40 mm.
- Cable diameter = 5 mm to 12 mm.
- Needed air= Minimum 15 bar - 1 metercup / minute.
- Dimensions= 44cm\*36 cm\*59 cm
- Weight =50 kg



- Cable installing velocity =0-30-50 meter / minute
- Direction =Forward and backward
- Mechanical cable meter indicator
- Cable pusher belt can change easily.
- One air inlet from compressor with quick connection
- Quick connection part is giving with machine.
- Machine stops automaticly before breaking cable.

- One box air lubrication oil is giving with machine.
- Hand tools giving with machine with soft bag.
- Low noisy level.
- Single technician
- Valve to get out presurrized air
- Stainless steel protection guard



- Belt with high grip cable profile
- Festo marked air lubrication system.
- Mindman marked valve.
- Cable aligning parts can change easily.
- Up and down movement of cable pusher belts controls mechanically.

KOSMAK MACHINE BUILDING INDUSTRY LTD.CO.

Address=Sanayi mahallesi İzmit Sanayi Sitesi 201 Blok no=6/8 İzmit KOCAELİ  
Telefon=0090 262 335 24 00 [Mail=info@kosmak.com](mailto:info@kosmak.com) / kamerkos@kosmak.com  
Web=www.kosmak.com www.cable.blowing.com.tr

## 1) Selection Nutrings



Figure 1



Figure 2

First measure cable diameter with callipers (figure 1).The inside diameter of cable seal's (figure 2) must be same with cable's outside diameter also cable seal need to work slippery on cable (figure 3) to not to make air leakage.Cut cable seals as you see on figure 4 to not to make air leakage.

**NOTE:** You need to inform us cable diameter with machine order.



Figure 3

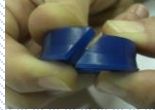


Figure 4

Canals of the selected cable seals must locate to the installing way of cable. If not ,you can not use compressed air productively (figure5-1).Touch faces of black o-rings with cable seals must be cutted angular (figure5-2)

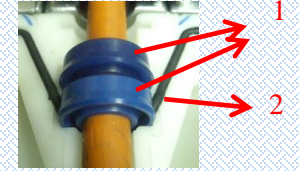


Figure 5

## 2) Establishing Cable



Figure 6



Figure 7

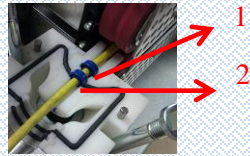


Figure 8

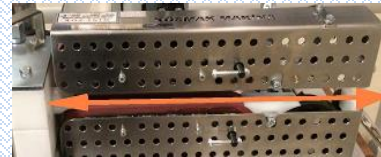


Figure 9

1) First turn the black handling part in the direction of red arrow to move up palette.

2) Change the parts on the figure 7-1 , figure 8-1 and figure 8-2 as your cable diameter.

3) Then see the cable is straight as in the figure 9. If cable is not straight you need to move exit box up or down.

## 3) Establishing Duct



Figure 10



Figure 11



Figure 12

- 1) Orings must be established well to not to have air leakage.
- 2) Duct must be placed as in the figure 11.
- 3) Press the duct with aluminium part and tighten the nuts to not to shoot out duct under air compression.

## 4) Giving Air to the Machine and Cable



Figure 13



Figure 14



Figure 15



Figure 16



Figure 17

Connect 1 inch air hose (figure 13-a) with quick air connection part (figure 13-b).

Quick air connection part is given with machine.

Make connection as hydraulic pipe connections , not to get out under pressure.

Quick connection main body is assembled on machine as you see on figure 14- c.

Connect part b with part c as in figure 15.

Open the vane as in figure 16 –d to give air to the duct.

Open the vane as in figure 17 –e to give air to the motors of machine.



Figure 18

## 5) Giving Motion To the Cable

You can regulate blowing direction (right or left) and speed (0-60m/min) of cable by moving direction control valve.

**NOTE:** You must use stop position when you are changing the direction. If you pass the opposite direction directly and don't stop on stop position this will damage the gears of air motors.

## 6) SETTING AXIS LINE OF EXIT BOX FOR DIFFERENT CABLES



Figure 18



Figure 19



Figure 20



Figure 21



Figure 22

- 1) Take out air pipe (part 1) on the figure 18.
- 2) Remove bolt (part 2) on the figure 19.
- 3) Turn metal pipe group (part 3) to the direction of the arrow on the figure 20.
- 4) Loosen the bolts (two bolts on figure 21 part 4 and one bolt on figure 22) and move exit box up or down to set axis line.

## 7) CHANGING PALLETES

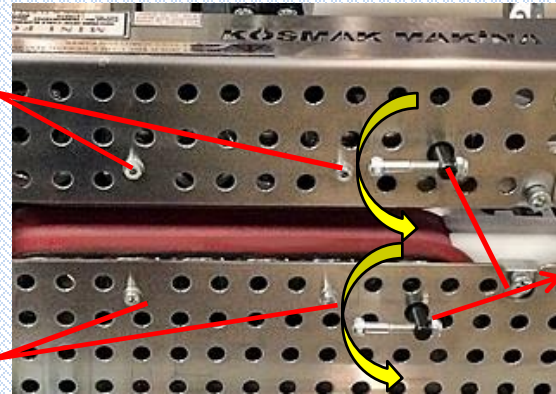


Figure 22

1) You need to take out chrom guard to change palletes. Loosen four bolts (figure 22 part 1) then take guard out side.

2) Turn two metal black parts on figure (figure 22 part 2) on the direction of arrows then you can take out palletes by turning palletes with hand.

## 9) AIR FILTER GROUP

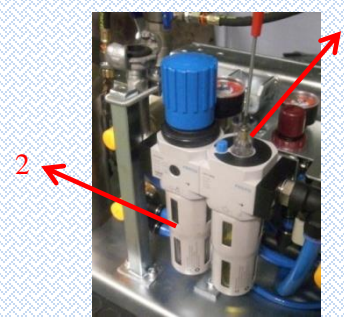


Figure 24

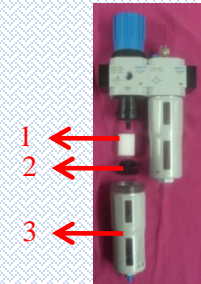


Figure 25

To maintain air motors, open oil set screw until end (Figure 24-1) and run motors 30-35 secs on this position. This operation supplies bearing lubrication for air motors and parts.

This operation must be repeated in every evening after the work ends, if not the moisture collected in motors will cause the bearings to rust.

The foreign objects entering into reservoir (figure 24-2) causes to the filter (figure 25-1) be blocked. This changes its colour and its shape. You must change this filter before this case occurs, if not air pressure yield will be less and you will have problems about the machine.

You can see the demontaging of air filter on figure 25. Firstly open reservoir (figure 25-3) then open nut (figure 25-2) then you can take air filter (figure 25-1)

## 8) AIR PRESSURES

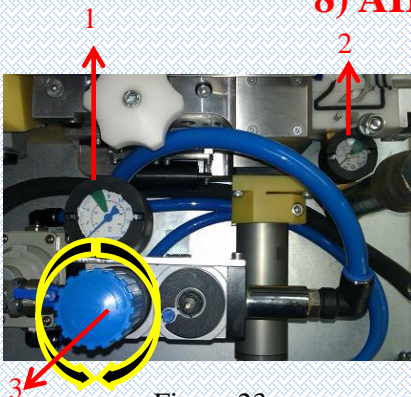


Figure 23

You can see the air pressure on motors on the gauge (figure 23 part 1). It must be between 6 and 7 while machine is working. Turn blue handle (part 3) to increase and decrease air pressure.

You can see the air pressure in duct on the gauge (figure 23 part 2). The pressure in the duct must be between 10 and 12 bar while cable blowing.