



**FOK<sup>®</sup>** |

Cable Blowing Technologies

***FAR s.r.l.***

***Elettronica - Elettrotecnica***

***Telecomunicazioni - Test***

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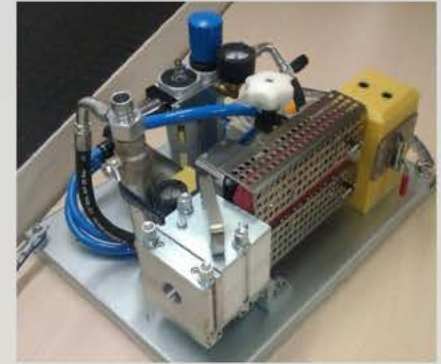
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# MINIFOK

(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 12 bar - 10.5 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
- Stainless steel machine box
- Belt with high grip cable profile
- Festo marked air lubrication system.
- Mindman marked valve.
- Elesa marked mechanical indicator.
- Cable aligning parts can change easily.
- Up and down movement of cable pusher belts controls mechanically.

# **USER GUIDE of MINIFOK**

## **1)GIVING AIR TO THE MACHINE & DUCT**



Figure 1



Figure 2



Figure 3

Connect part a (1" air hose ) which comes from air with part b (quick connection moving part)(figure 1).

Quick connection moving part is given with machine.

Make connection as hydraulic pipe connections to not to secede under air compression.

Quick connection main body (part c) is assembled on machine as you see on figure 2.

Connect part b with part c as in figure 3.



Figure 4



Figure 5

Open the vane (part d) as in figure 4 to give air to the duct.

Open the vane (part e) as in figure 5 to give air to the motors of machine.

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## **2)MONTAGING CABLE TO THE MACHINE**



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6

- 1)Open clamp,
- 2) Put nutring in the same format of the figure 2 ,
- 3)close clamp,
- 4)Push the cable
- 5)See the cable as in figure 5
- 6)Put the nutrings in the same format of the figure 6 and pass cable through the nutrings.



Figure 7



Figure 8



Figure 9



Figure 10

- 7)Close nutring seal as in figure 7.
- 8)Close exit box as in the figure 8.
- 9)See the cable is passing in the same line through the machine.
- 10)Push th cable between pallettes by turning white handle.



### 3)MONTAGING DUCT TO THE MACHINE



Figure 1



Figure 2



Figure 3

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

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### 4)SELECTION OF NUTRINGS



Figure 1



Figure 2



Figure 3



Figure 4

Firstly measure cable diameter with callipers (figure 1).The selected cable seal's inside diameter (figure 2) must be same with cable's outside diameter and it must work slippery on cable (figure 3) not to let air leakage .Cut cable seals as you see on figure 4.

**NOTE:** You must inform us your cable diameter that you will install with your FOK order.

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

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### 5)SETTING AXIS LINE OF MECHANICAL INDICATOR FOR DIFFERENT CABLES



Figure 1



Figure 2



Figure 3

- 1) Take out indicator by removing four bolts which is under the machine as you can see in figure 1 .
- 2)Change white plastik parts (you can see parts in figure 2) as your new cable diameter.
- 3)Change blue nutring (you can see part in figure 3) as your new cable diameter.



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



Figure 1



Figure 2



Figure 3



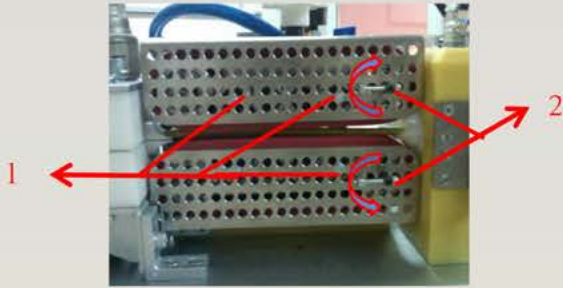
Figure 4



Figure 5

- 1) Take out air pipe (part 1) on the figure 1.
- 2) Remove bolt (part 2) on the figure 2.
- 3) Turn metal pipe group (part 3) to the direction of the arrow on the figure 3.
- 4) Loosen the bolts (two bolts on figure 4 part 4 and one bolt on figure 5) and move exit box up or down to set axis line.

## 9) CHANGING PALLETES



- 1) You need take out chrom pallette guard to change pallettes. Loosen four bolts on figure then take pallettes out side.
- 2) Turn two metal black parts on figure (part 2) on the direction of arrows then you can take out pallettes by turning pallettes with hand.

## 10) 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.

## 11) AIR PRESSURES



You can see the air pressure on the gauge 1 as you can see on figure. 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 2. The pressure in the duct must be between 10 and 12 bar while cable blowing.