

MICROFOK

(Micro Fiber Optic Cable Blowing Machine)

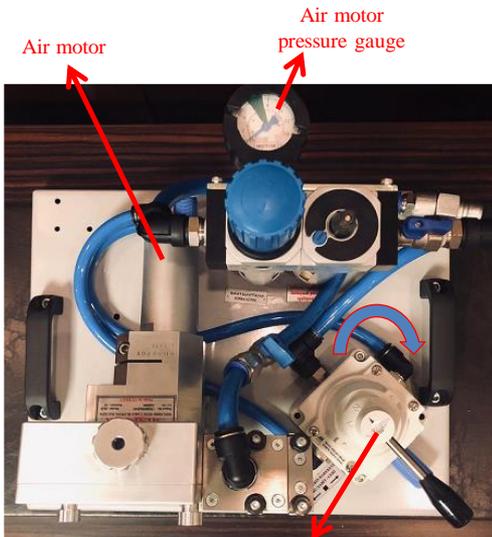


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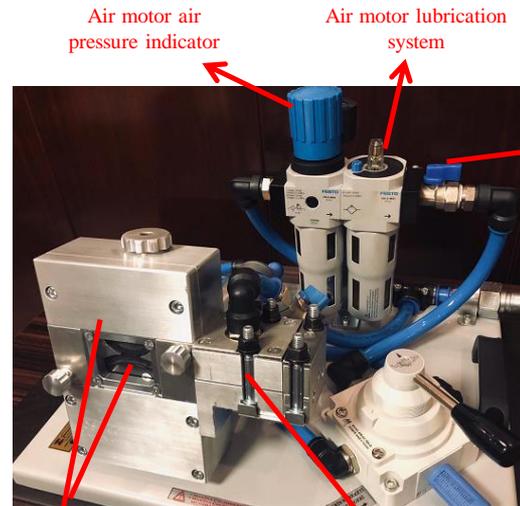
GENERAL DESCRIPTION

MICRO FOK is designed and produced by KOSMAK MACHINE with desires from users. You can depend on the same KÖSMAC quality as our larger machines in a new smaller package. The Microfok installs microcable and its versatility saves you money. Its compact size and portable maneuverability make the Microfok ideally suited for either outside or in-building use. The Mikrofok uses compressed air to install the cable. The drive roller, powered by air motors. Cable pusher rolls can change easily. One air inlet from compressor with quick connection. Quick connection part is giving with machine. Easily changeable for different cables. Easily changeable for different ducts.

- Micro Fok = Micro Fiber Optic Cable Blowing Machine
- Control = Technician
- Cable diameter = 3mm-6mm
- Duct diameter = Changeable by tools
- Dimensions of Machine = 35 cm * 30 cm * 45 cm
- Weight of Machine = 18 kg
- Needed air = Minimum 12 bar - 1 meter cup / minute.
- Cable installing velocity = 0-80meter/minute
- Direction = Forward and backward



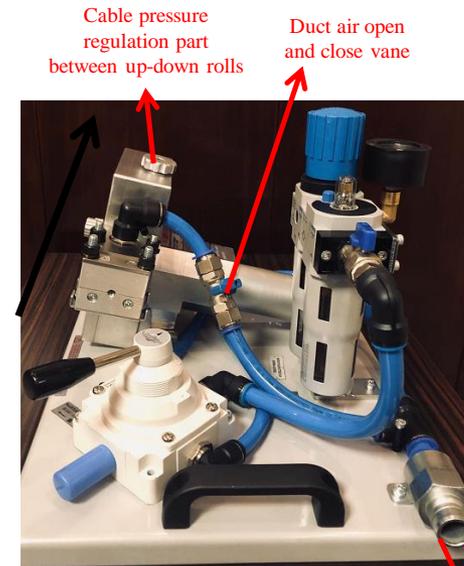
Cable pushing rolls front – stop – back movement vane



Cable pushing rolls

Fiber optic cable exit box and duct mounting part

Air pressure on/off vane



Cable pressure regulation part between up-down rolls

Duct air open and close vane

Quick connection of air inlet

REGULATION OF FIBER OPTIC CABLE, DUCT AND NUTRINGS

- First of all demontage machine's exit box upper group as in the figure one and demontage cable pushing roll's guard as in the figure two. Then montage nutrings, nutring seals (figure 1-a) and cable seals (figure 2-a)
- Put the cable between rolls and in nutrings as in the figure three.
- Then close guard of the rolls (figure four-a) as in the figure four- and montage duct with duct locking part (figure four -b) as in the same figure four.
- When you montage duct you need to be care two things first one is push duct until recline and the second one is duct fixing part's screws must be tightened well to not to get out duct .
- Montage nutring's as in the figure one. The nutring's grooved surface side must be one the side of exit box if nutrings montaged reversed then air leaks happens.
- After all montage exit box as in the figure 5 and cable blowing machine is ready to blow cable now.



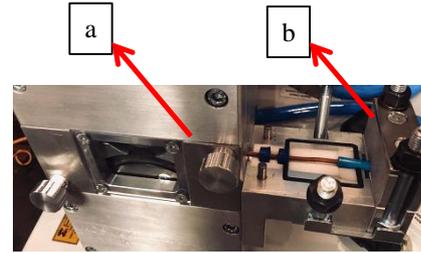
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MONTAGING AIR AND REGULATING AIR PRESSURES AND OIL FLOWING



6



7



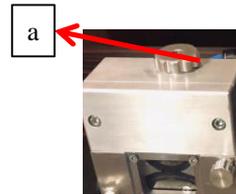
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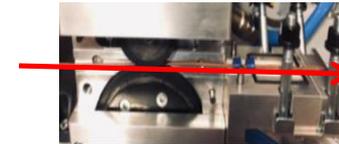
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- Make air connection to the cable blowing machine from the part on figure six-a with the quick connection parts on figure seven.
- You can see the air pressure in motors on the gauge in figure eight .It must be between six and eight bar while machine is working. Pull blue hand a little and then turn it to increase or to decrease the air pressure then push blue handle.
- Can give oil to the air motors by using a screwdriver by opening and closing the screw on figure nine -a. The drop must be minimum one drop in one minute.
- Also you can give more oil to the motors to make maintenance , after work open this screw and start machine for five minutes then see that oil is dropping more than one drop in one minute.

REGULATING ROLL COMPRESSION FORCE AND FIBER AXIS LINE



10



11



12

You need to regulate compression force on cable between two rolls to not to damage cable. You can make this regulating with part in figure ten -a ,after this regulating the cable can turn rolls when you pull cable on right and left side by hand. The fiber optic must move straight on the lines on figure eleven, you can set this by using screws on figure twelve-a.