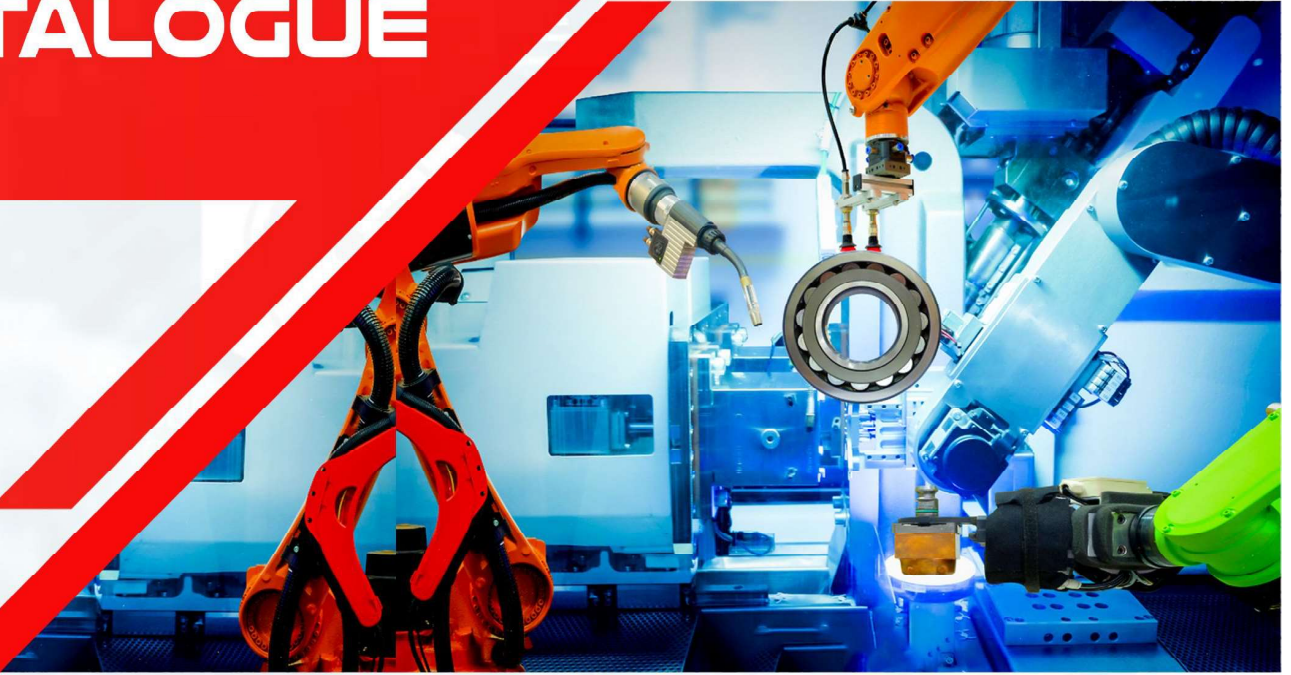


# UPCOM

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## PRODUCT CATALOGUE



# 2021

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# SELECTION CHART

**UPCOM**  
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Capacity	Hidro-FOK	FOK	Mini FOK	MiniFOK PLUS	Mikro FOK	Drill-FOK
Cable Diameter (mm)	9 -25	9-22	2,5-16	2,5 -16	3 -7	1,5-10
Tube Diameter (mm)	12 -50	12-50	12-50	12-50	6-20	3-16
Air Pressure Recommendation (Bar)	12	12	12	12	12	10
Air Flow Rate Recommendation (m3)	10,5-12	10,5-12	10,5-12	10,5-12	1,5-3	1,5-3
Driver	2pcs Hydraulic Motor	Pneumatic Motor 2pcs	Pneumatic Motor 1pcs	Pneumatic Motor 1pcs	Pneumatic Motor 1pcs	Drilling Tool
Pusher	Chain Belt/ Pallet	Chain Belt/ Pallet	Belt	Belt	Wheel	Roller
Dimension (mm)	740 x 1200 x 740	610x 440x 380	470x 420x 620	520x 390x 720	420x 320x 510	280x 320x 270
Gross Weight (kg)	170	49	47	52	28	10





# FOK



**FOK Cable Blowing Machine** provides an excellent flexibility and compact design to the users offering a complete solution. Capable of installing the cables Fiber optic cable and micro duct. In a range of Ø 9 to 22 mm diameter and duct outer diameter (OD) may vary 20mm to 50 mm. FOK Machine is engineered for blowing Fiber optic cables in preinstalled ducts. This multifunctional machine is easy to use for the installation of cables and micro-ducts by air and covers a wide range of cable diameters.

FOK Machine has a significant productivity and it considerably increases your labor's production capacity. A special and carefully designed pallet system assuring an excellent cable drip and decrease the damage risk. Clamping system adjust the cable outer diameter fluctuation/tolerance. In addition to that, its high-tech engineered design and structure improve blowing performance. Each and every part of machine are engineered and produced to meet and exceed the expectation of customer requirements.

FOK Machine is a Fiber optic cable blowing machine designed to blow cables into preinstalled telecommunication ducts and micro ducts by using of compressed air. Having 3 pallet options as 9-14mm, 14-18mm and 18-22mm to blow the cables having min 9mm to max. 22mm with a speed of 80m/min. Duct diameter can be in the range of 20 mm to 50 mm. Special pallet design will allow you to install your cables under muddy field conditions and Cable Blowing Power will not be decreased. You can set cable installing speed and direction with control valve.

A wisely designed exit box will supply highly productive leading for pressured air into telecom ducts. Quick air connection makes your business easier with an easy plug-in method. You can transfer lubricant oil onto pre-installed duct with the shock lubrication system to reduce friction between duct and cables. Two air motors will ensure to continuous high effective cable blowing power. You are capable of switching on or off the air entering into telecom ducts with guidance of valves. Festo Lubricant system takes off moisture of pressured air which comes from compressor and supplies continuous lubricate for air motors.

# FOK

# FOK CONTENT

## CONSISTING OF

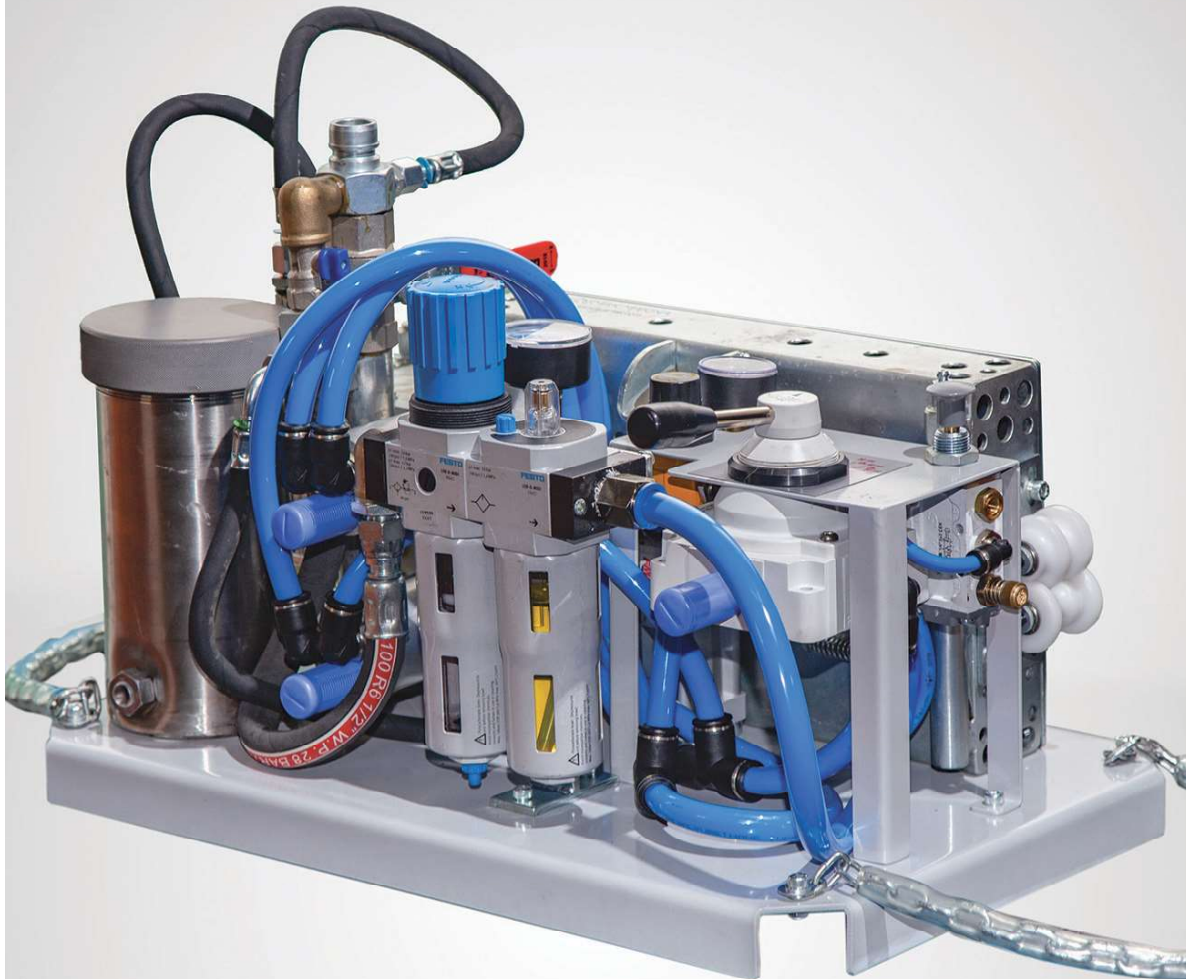
- 1set (2pcs) of Pallet (1)
- 1pcs Duct Lubricant System (2)
- 2pcs Air Motor (3)
- 1pcs Air Lubrication System (4)
- 1set Cable Aligning Parts (5)

## WITH OUT

- Air Cooler
- Lubricant Oil
- Air Compressor

## WITH

- 1pcs Operator Guide
- 1pcs Cable Inserts(7)
- 1set Duct Inserts(8)
- 1set Blue Nutring (9)
- 2m Black Rubber O-Ring (10)
- 1pcs Protected Wooden Case with holder (11)
- 1pcs Quick Insert Air Jack (12)
- 1set Tool Kit (13)
- 1pcs Box for plastic tools





# TECHNICAL DATA

## FOK

Standard version	2pcs of pneumatic motor drive
Type	FOK
Cable dia. [mm]	9-22
Pallet Options (mm)	9-13 / 14-18 / 19-22
Duct OD [mm]	20-50
Drive unit	Pneumatic
Max. air consumption of 1pcs of motor [m3/min]	3m 3/ min (at 6 bar)
Torque Nm – Max. Power	8.5 Nm x 2 Pieces
Max. distance to blow at once (Cable Dia. 12mm – Duct Dia. 40mm) (m)	3000
Linear pressure on cable [N/cm]	0-101
Max. speed [m/min]	80
Max. air pressure [bar]	16
Max. water pressure [bar]	23
Dimension of apparatus with case l x w x h [mm]	380 x 610 x 440
Dimension of tools and accessories case l x w x h [mm]	380 x 610 x 440
Weight of machine [kg]	40
Total weight [kg]	49



## FOK MACHINE PARTS

Quick Pipe Connection **.1**

Easy Duct Connection **.2**

Rubber coated chain for pushing cable without skidding **.3**

Cable aligning parts to blow cable ahead **.4**

Pressure regulator with piston group to regulate pushing force on cable and **.5**  
to make up & down movement automatically

Direction control valve for pushing and pulling fiberoptic cable **.6**

Air lubricating unit to lubricate air motors during cable blowing **.7**

Pressure regulating unit to regulate air pressure on air motors **.8**

Two air motors pushing cable together **.9**

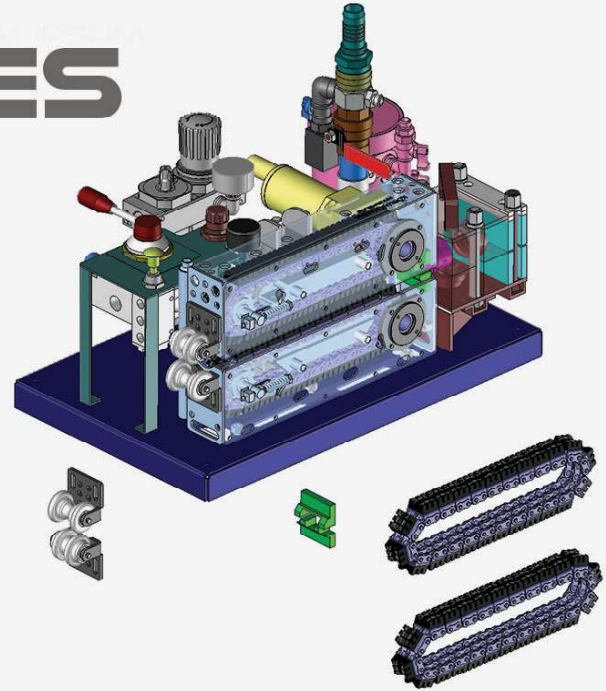
Duct lubrication unit to lubricate duct during cable blowing **.10**

# FOK ACCESSORIES

## COMPRESSOR CAPACITY RECOMMENDATION

Efficiency	10,5 m3/min
Working pressure	12bars

These are minimum compressor requirements. You may use higher capacity of compressor which can increase the effectiveness. You can overcome the handicap of improperly installed ducts.



## PALLET, CABLE ALIGNING AND DUCTOPTIONS

Pallet Set (mm)	Cable Aligning Tool & Nuttings (mm)	Duct Connection Tool (mm)
P1: 9-13	C1: 9-13	D: 20
P2: 14-18	C2: 14-18	D: 32
P3: 19-22	C3: 19-22	D: 40
		D: 50

## ORDERING CODE

FOK	P1	C1	D32
Machine	Pallet Set	Cable Aligning Tool&Nuttings	Duct Connection Tool
<b>FOK</b>	P1	C1	D10
	P2	C2	D20
	P3	C3	D32
			D40
			D50
	MultipleOrdering	MultipleOrdering	MultipleOrdering
	P1+2+3	C1+2+3	D10+20+32

1 set of Pallet - 1 Set of Cable Aligning Tool + 1pcs Duct Connection Tool is included.

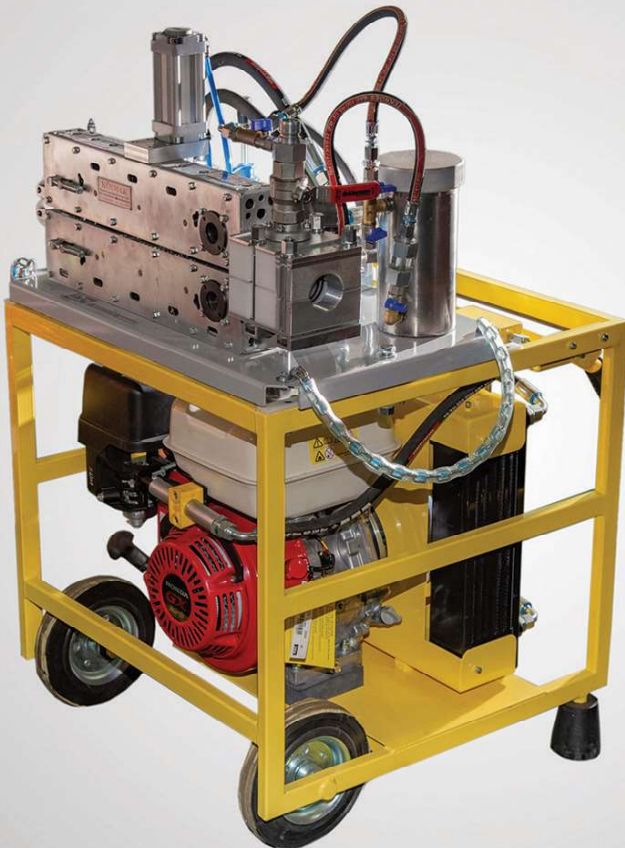


# HIDRO-FOK

Hidro-FOK Cable Blowing Machine is designed and properly engineered to blow Fiber Optic Cables and Micro tubes in HDPE ducts. This fiber optic cable blowing machine is equipped with Hydraulic motors. Hidro-FOK is working with hydraulic power unit. Micro Tubes can be blown any quantity of Micro Duct with the suitable pallet. Hydraulic motors are making Hidro-FOK the most powerful cable blowing machine among our machines. Hydraulic Motor are much stronger compared to Air Motor. Hidro-FOK machine is engineered to get highly effective and very safe method of fiber optic cable installation.

With its compact and dynamic outfit blowing machine, you can handle cables. Hydraulic type cable blower machine is an ideal choice for location our city (rural area) and also for long haul cable installation. A best designed machine which runs on hydraulic power, a heavy duty model hydraulic power pack. You need to change palette group and some parts to modify machine from tube to cable blowing machine or reverse. Hydraulic Power is the equipment to be used with Hidro-FOK Machine.

Capable of installing the Fiber Optic Cables & Micro Ducts -Fiber optic cable and microduct-. For cables Ø 9 to 25 mm and ducts OD 20 to 60 mm. Its high effectiveness significantly increases daily production. The pallet drive system ensures excellent cable grip without damage and the Pneumatic system absorbs cable diameter tolerances. In addition to that, its high tech engineered design and structure improve blowing performance. Each and every part of machine are engineered and produced to meet and exceed the expectation of customer requirements.



Hidro-FOK Machine is a Fiber optic cable blowing machine designed to blow cables into preinstalled telecommunication ducts and micro ducts by using of compressed air. Having 3 pallet options as 9-13mm, 14-18mm and 189-252mm to blow the cables having min 9mm to max. 19-25 mm with a speed of 80m/min. Special pallet design will allow you to install your cables under muddy field conditions and Cable Blowing Power will not be decreased. You can set cable installing speed and direction with hydraulic control valve. A wisely designed exit box will supply highly productive leading for pressured air into telecom ducts. Quick air connection makes your business easier with an easy plug in method. You can transfer lubricant oil onto pre-installed duct with the shock lubrication system to reduce friction between duct and cables. Your installing power never decrease with two hydraulic motors. You are capable of switching on or off the air entering into telecom ducts with guidance of valves.



# HIDRO-FOK CONTENT

## CONSISTING OF

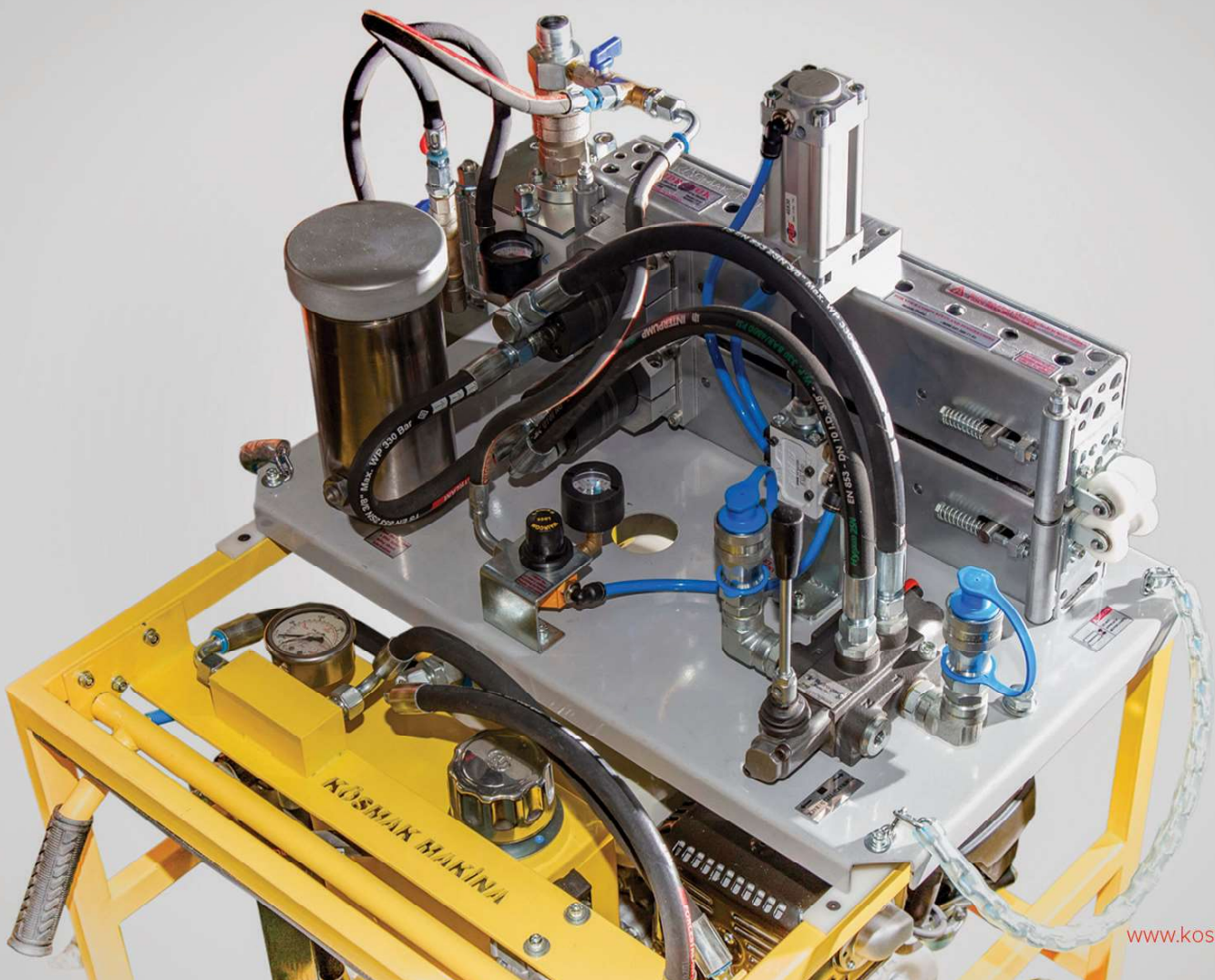
- **1set** (2pcs) of Pallet
- **1pcs** Duct Lubricant System
- **2pcs** Hydraulic Motor
- **1pcs** Hydraulic Power Unit with Honda GX-270 Benzine Engine
- **1pcs** Exit Box

## WITH OUT

- Air Cooler
- Lubricant Oil
- Air Compressor

## WITH

- **1pcs** Operator Guide
- **1pcs** Cable Inserts
- **1set** Duct Inserts
- **1set** Blue Nutring
- **2m** Black Rubber O-Ring
- **1pcs** Protected Wooden Case with holder
- **1pcs** Quick Insert Air Jack
- **1set** Tool Kit
- **1pcs** Box for plastic tools





# TECHNICAL DATA

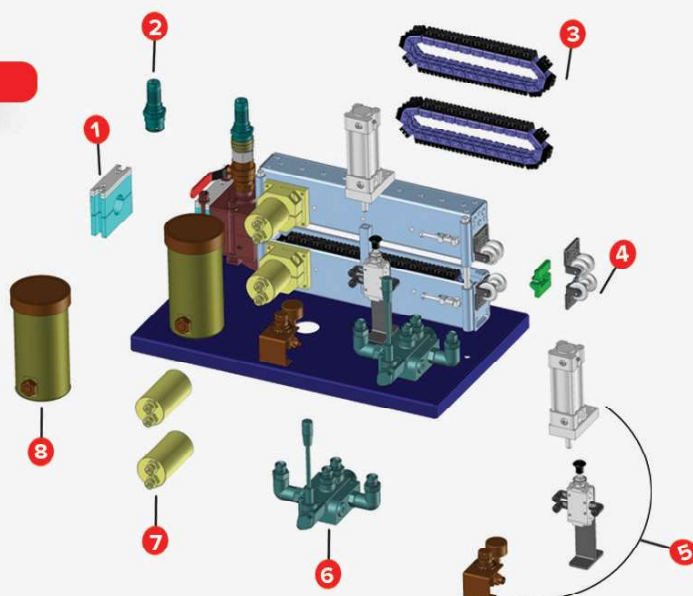
## HIDRO-FOK

Standard version	2pcs of hydraulic motor drive
Type	Hidro-FOK
Pallet Options (mm)	9-13 / 14-18 / 19-25
Cable dia. [mm]	9-25
Duct OD [mm]	20-60
Drive unit	Hydraulic Power Unit
Max. oil circulation of 1pcs of motor [liter/min]	20
Torque Nm – Max. Power	80
Distance to blow at once max. (Cable Dia. 12mm – Duct Dia. 40mm) (m)	3000
Linear pressure on cable [N/cm]	0-101
Max. speed [m/min]	80
Max. air pressure [bar]	16
Max. water pressure [bar]	23
<b>Hydraulic Power Unit + Cable Blowing Machine</b>	
Dimension of apparatus with case l x w x h [mm]	740 x 1200 x 740
Total weight [kg]	170

## MACHINE PARTS

### Hydraulic Fiber Blowing Machine & Hydraulic Power Unit

1. Easy Duct Connection.
2. Quick Pipe Connection.
3. Rubber coated chain for pushing cable without skidding.
4. Cable aligning parts.
5. Pressure regulator with piston group to regulate pushing force on cable and to make up&down movement automatically.
6. Direction control valve for pushing fiberoptic cable forward or backward
7. 2 hydraulic motors to push the cable.
8. Duct lubrication unit to lubricate duct during cable blowing



# HIDRO-FOK



Hydraulic Fiber  
Blowing Machine

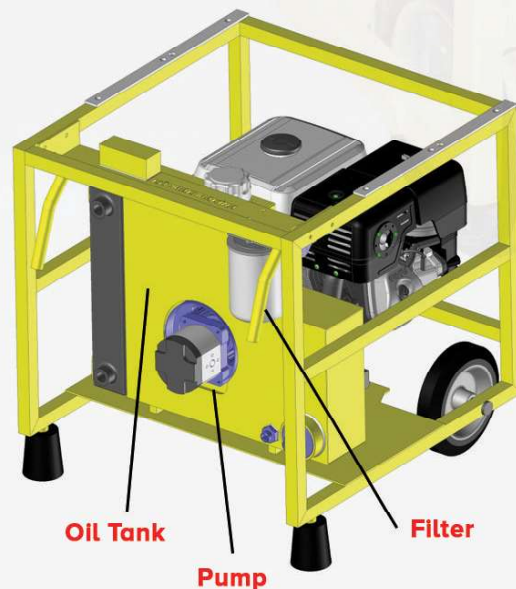
Hydraulic  
Power Unit

## THE HYDRAULIC POWER UNIT PARTS



Honda Engine  
(Gasoline)

Cooler Radiator



Oil Tank

Pump

Filter



# HIDRO-FOK ACCESSORIES

## COMPRESSOR CAPACITY RECOMMENDATION

Efficiency	10,5 m3/min
Working pressure	12 bar

These are minimum compressor requirements. You may use higher capacity of compressor which can increase the effectiveness. You can overcome the handicap of improperly installed ducts.

### Pallet Set

P1: Ø9-Ø13  
P2: Ø14-Ø18  
P3: Ø19-Ø25

### Duct Connection Tool

D1: Ø20 , D2: Ø32  
D3: Ø40 , D4: Ø50

### Cable Nutrings

N1: Ø9-Ø13  
N2: Ø14-Ø18  
N3: Ø19-Ø25

### Cable Aligning Parts

N1: Ø9-Ø13  
N2: Ø14-Ø18  
N3: Ø19-Ø25

## PALLET, CABLE ALIGNING AND DUCT OPTIONS

Pallet Set (mm)	Cable Aligning Tool (mm)	Duct Connection Tool (mm)
P1: 9-13	C1: 9-13	D1: 20
P2: 14-18	C2: 14-18	D2: 32
P3: 19-25	C3: 19-25	D3: 40
		D4: 50

## ORDERING CODE

Hidro-FOK	P1	C1	D32
Machine	Pallet Set	Cable Aligning Tool	Duct Connection Tool
	P1	C1	D20
	P2	C2	D32
	P3	C3	D40
Multiple Ordering	Multiple Ordering	Multiple Ordering	D50
P1+2+3	C1+2+3	D10+20+32	

1 set of Pallet - 1 Set of Cable Aligning Tool + 1pcs Duct Connection Tool is included.



# MINI FOK

**Mini-FOK Cable Blowing** Machine provides an excellent flexibility and compact design to the users offering a complete solution. Allows you to blow the cables -micro type cable and micro-duct-.Mini-FOK Cable Blowing Machine can install the cables in a range of Ø 2,5 to 16 mm and various ducts outer diameters 7 to 40mm are available upon request. Customized Duct diameter can be made upon request. Mini-FOK is engineered for blowing telecommunication cables or micro ducts in preinstalled ducts. This multifunctional machine is easy to use for the installation of cables, micro-cables or micro-ducts by air and covers a wide range of cable diameters.

Mini-FOK Machine has a significant productivity and it considerably increases your labor's production capacity. A special and carefully designed pallet system assuring an excellent cable drip and decrease the damage risk. Clamping system adjust the cable outer diameter fluctuation/tolerance. In addition to that, its high-tech engineered design and structure improve blowing performance. Each part of machine is engineered and produced to meet and exceed the expectation of customer requirements. Mini-FOK it is equipped with a distance and speed indicator.

Mini-FOK is a Fiber optic cable blowing machine designed to blow cables into telecommunication ducts and micro ducts by using of compressed air. Having 3 pallet options as 2,5-4mm, 5-8mm, 9-12mm and 13-16mm to blow the cables having min. 2,5mm to max. 16mm. This fiber optic cable blowing machine works with one air motor for blowing the cables and tubes. Due to 1 air motor, it can perfectly blow fiber optic cables into ducts. So, it's a perfect choice if fiber optic cable diameter is 6mm and duct diameter is 16mm.

Special pallet design will allow you to install your cables under muddy field conditions and Cable Blowing Power will not be decreased. You can set cable installing speed and direction with control valve. A wisely designed exit box will supply highly productive leading for pressured air into telecom ducts. Quick air connection makes your business easier with an easy plug-in method. It's completely Made in Turkey with international standards.

Single air motors will ensure to continuous high effective cable blowing power. You can switch on or off the air entering telecom ducts with guidance of valves. Festo Lubricant system takes off moisture of pressured air which comes from compressor and supplies continuous lubricate for air motors.



# MINI-FOK CONTENT

## CONSISTING OF

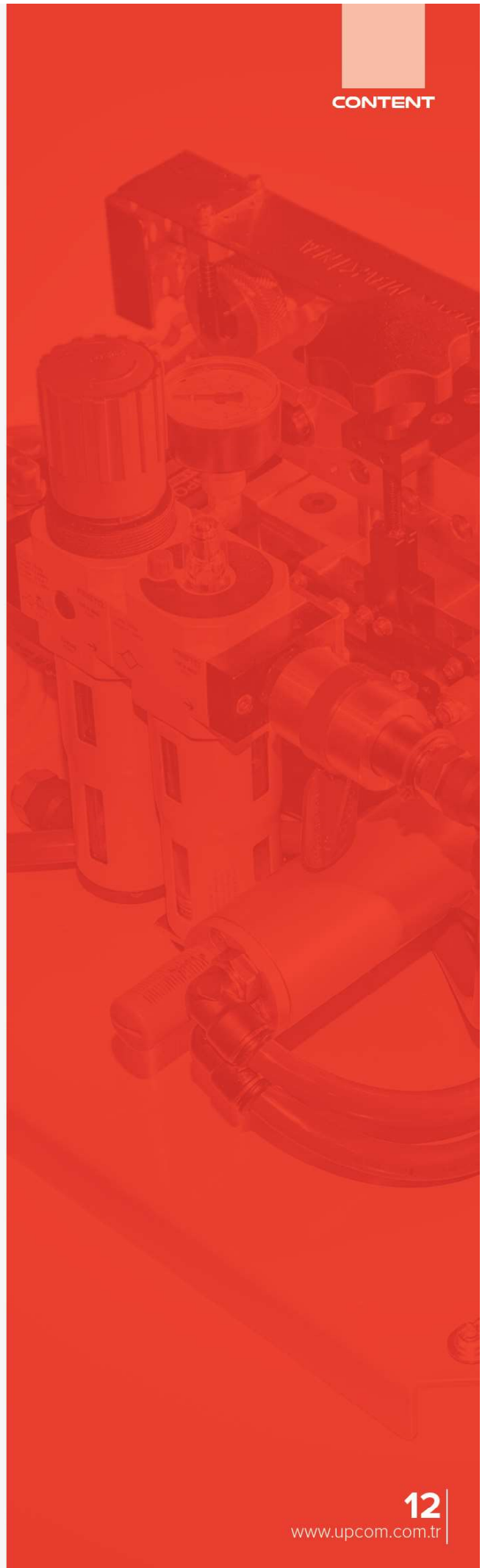
- 1set (2pcs) of Belt
- 1pcs MechanicalMeter Indicator
- 1pcs Air Motor
- 1set Cable Aligning Parts
- 1pcs Direction Valve Backward and Forward Directions

## WITH

- 1pcs Operator Guide
- 1pcs Cable Inserts: Options 4mm to 8mm
- 1set Duct Inserts
- Up to 30pcs Blue Nutring (6pcs per Cable Dia)
- 2m Black Rubber O-Ring
- 1pcs Protected Wooden Case with holder
- 1pcs Quick Insert Air Jack
- 1set Tool Kit
- 1pcs Box for plastic tools

## WITH OUT

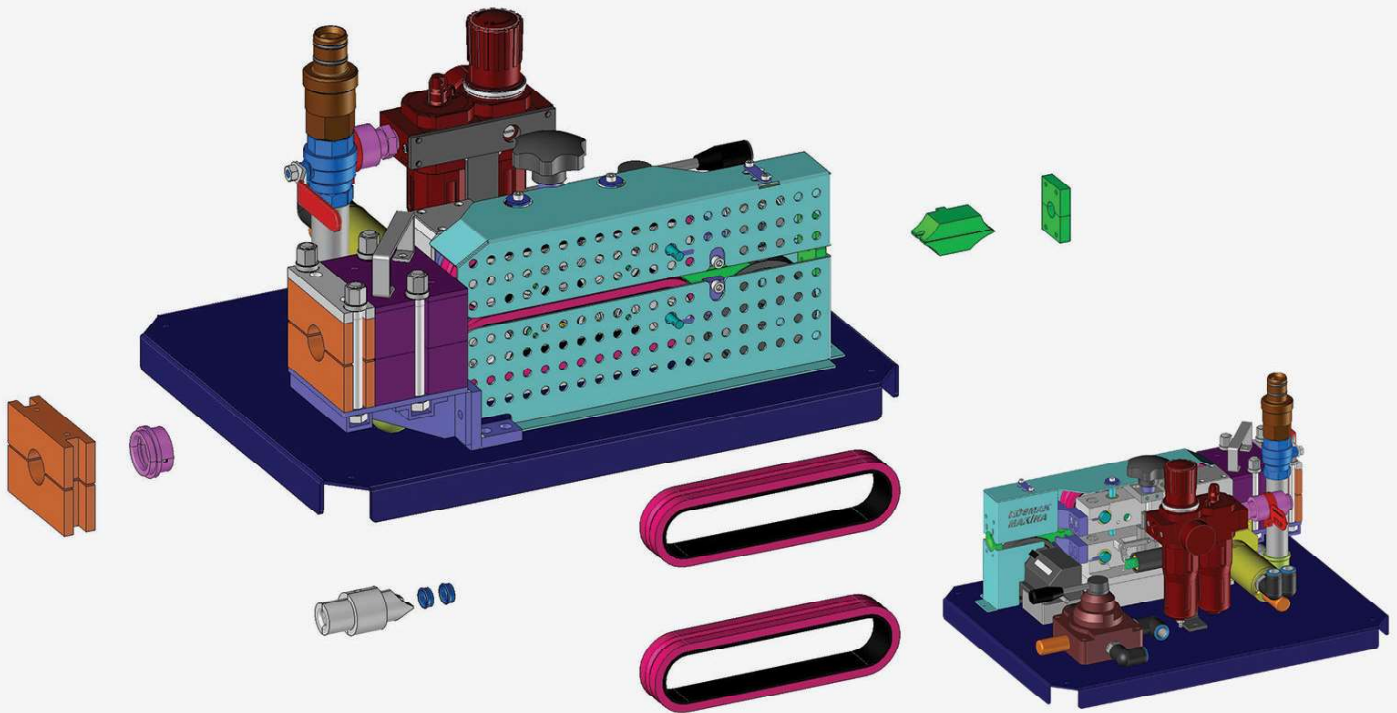
- Air Cooler
- Lubricant Oil
- Air Compressor



# TECHNICAL DATA

## MINI-FOK

Standard version	1pcs of pneumatic motor drive
Type	Mini-FOK
Pallet Options (mm)	2,5-4 / 5-8 / 9-12 / 13-16
Cable dia. [mm]	2,5-16
Duct OD [mm]	7-40
Drive unit	Pneumatic
Max. air circulation of motor [m3/min]	1.5 (at 6 bar)
Torque Nm – Max. Power	8,5
Max. distance to blow at once (Cable Dia. 6mm – Duct Dia. 16mm) (m)	1500
Linear pressure on cable [N/cm]	0-101
Max. speed [m/min]	80
Max. air pressure [bar]	16
Max. water pressure [bar]	23
Dimension of tools and accessories case l x w x h [mm]	470x420x620
Total weight [kg]	47





## COMPRESSOR CAPACITY RECOMMENDATION

Efficiency	1 m 3/min
Working pressure	12bars

These are minimum compressor requirements up to Duct Dia. 20mm.  
You may use higher capacity of compressor which can increase the effectiveness.  
You can overcome the handicap of improperly installed ducts.

## PALLET, CABLE ALIGNING AND DUCT OPTIONS

Pallet Set (mm)	Cable Aligning Tool & Nutrings (mm)	Duct Connection Tool (mm)
P1: 2,5-4	C1: 2,5-4	D: 8
P2: 5-8	C2: 5-8	D: 12
P3: 9-12	C3: 9-12	D: 14
P4: 13-16	C4: 13-16	D: 16

## ORDERING CODE

MINI-FOK	P1	C1	D32
Machine	Pallet Set	Cable Aligning Tool & Nutrings	Duct Connection Tool
	P1	C1	D: 8
	P2	C2	D: 12
	P3	C3	D: 14
	P4	C4	D: 16
	Multiple Ordering	Multiple Ordering	Multiple Ordering
	P1+2+3	C1+2+3	D10+20+32

# Mini FOK

1 set of Pallet - 1 Set of Cable Aligning Tool + 1pcs Duct Connection Tool is included.

# MINIFOK -PLUS



**Mini-FOK Plus Cable Blowing** Machine provides an excellent flexibility and compact design to the users offering a complete solution. Allows you to blow the cables -micro type cable and micro-duct-. Mini-FOK Plus Cable Blowing Machine can install the cables in a range of Ø 2,5 to 16 mm and various ducts outer diameters 7 to 40mm are available upon request. Customized Duct diameter can be made upon request. Mini-FOK Plus is engineered for blowing telecommunication cables or micro ducts in preinstalled ducts. This multifunctional machine is easy to use for the installation of cables, micro-cables or micro-ducts by air and covers a wide range of cable diameters.

Mini-FOK Plus Machine has a significant productivity and it considerably increases your labor's production capacity. Single Operator is enough to operate the machine. A special and carefully designed pallet system assuring an excellent cable drip and decrease the damage risk. Clamping system adjust the cable outer diameter fluctuation/tolerance and extremely easy to fix the cable to machine. In addition to that, its high-tech engineered design and structure improve blowing performance. Every part of machine is engineered and produced to meet and exceed the expectation of customer requirements. Mini-FOK Plus it is equipped with a digital distance and speed indicator.

Mini-FOK Plus is a Fiber optic cable blowing machine designed to blow cables into telecommunication ducts and micro ducts by using of compressed air. Having 4 pallet options as 2,5-4mm, 5-8mm, 9-12mm and 13-16mm to blow the cables having min. 2,5mm to max. 16mm. This fiber optic cable blowing machine works with one air motor for blowing the cables and tubes. Mini-FOK Plus cleans the surface of cable before it blows the cable. This feature protects the motors and keep them clean.

Special pallet design will allow you to install your cables under muddy field conditions and Cable Blowing Power will not be decreased. You can set cable installing speed and direction with control valve. A wisely designed exit box will supply highly productive leading for pressured air into telecom ducts. Quick air connection makes your business easier with an easy plug-in method. It's completely Made in Turkey with international standards. Stylish carrying handles can easily be disappear by sliding them under the machine with its special slide system and make the operator's business easier while at the same time adding an aesthetic to the machine.



# MINI-FOK PLUS CONTENT

## CONSISTING OF

- 1set (2pcs) of Belt
- 1pcs Digital Meter Indicator
- 1pcs Air Motor
- 1pcs Air Lubrication System
- 1set Cable Aligning Parts
- 1pcs Direction Valve Backward and Forward Directions
- Easy Cable Plug Header
- Cable Surface Cleaning Tool

## WITH

- 1pcs Operator Guide
- 1pcs Cable Inserts: Options 4mm to 8mm
- 1set Duct Inserts
- Up to 30pcs Blue Nutring (6pcs per Cable Dia)
- 2m Black Rubber O-Ring
- 1pcs Protected Wooden Case with holder
- 1pcs Quick Insert Air Jack to Compressor
- 1set Tool Kit
- 1pcs Box for plastic tools

## WITH OUT

- Air Cooler
- Lubricant Oil
- Air Compressor



# TECHNICAL DATA

## MINI-FOK PLUS

Standard version	1pcs of pneumatic motor drive
Type	Mini-FOK Plus
Pallet Options (mm)	2,5-4 / 5-8 / 9-12 / 13-16
Cable dia. [mm]	2,5 - 16
Duct OD [mm]	7- 40
Drive unit	Pneumatic
Max. air circulation of motor [m3/min]	1.5 (at 6 bar)
Torque Nm – Max. Power	8,5
Max. distance to blow at once (Cable Dia. 6mm – Duct Dia. 16mm) (m)	1500
Linear pressure on cable [N/cm]	0 - 101
Max. speed [m/min]	80
Max. air pressure [bar]	16
Max. water pressure [bar]	23
Dimension of tools and accessories case l x w x h [mm]	390x520x720
Total weight [kg]	52





## COMPRESSOR CAPACITY RECOMMENDATION

Efficiency	1 m <sup>3</sup> /min
Working pressure	12bar

These are minimum compressor requirements up to Duct Dia. 20mm.  
You may use higher capacity of compressor which can increase the effectiveness.  
You can overcome the handicap of improperly installed ducts.

## PALLET, CABLE ALIGNING AND DUCT OPTIONS

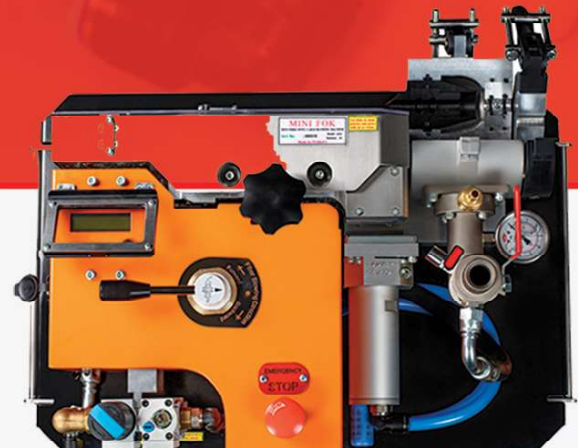
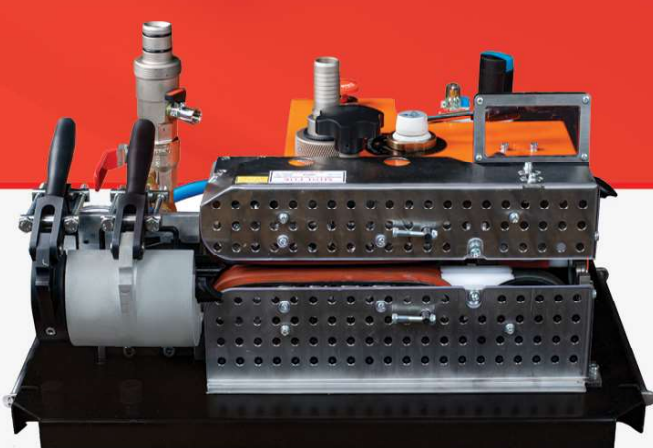
Pallet Set (mm)	Cable Aligning Tool & Nutrings (mm)	Duct Connection Tool (mm)
P1: 2,5-4	C1: 2,5-4	D: 8
P2: 5-8	C2: 5-8	D: 12
P3: 9-12	C3: 9-12	D: 14
P4: 13-16	C4: 13-16	D: 16

## ORDERING CODE

MINIFOK-PLUS	P1	C1	D32
Machine	Pallet Set	Cable Aligning Tool & Nutrings	Duct Connection Tool
	P1	C1	D: 8
	P2	C2	D: 12
	P3	C3	D: 14
	P4	C4	D: 16
	Multiple Ordering	Multiple Ordering	Multiple Ordering
	P1+2+3	C1+2+3	D10+20+32

MINI  
FOK -  
PLUS

1 set of Pallet - 1 Set of Cable Aligning Tool + 1pcs Duct Connection Tool is included.



# MIKRO FOK

Mikro-FOK is designed and produced meeting the expectation of end of users. The Mikro-FOK cable blowing machine installs microcables and its versatility saves your money. The design of the Mikro-FOK provides for quick and easy component changes for different cable or duct sizes. Its compact size and portable maneuverability make the Mikro-FOK is ideally suited for either outside or in-building use. The Mikro-FOK 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.



MIKRO  
FOK

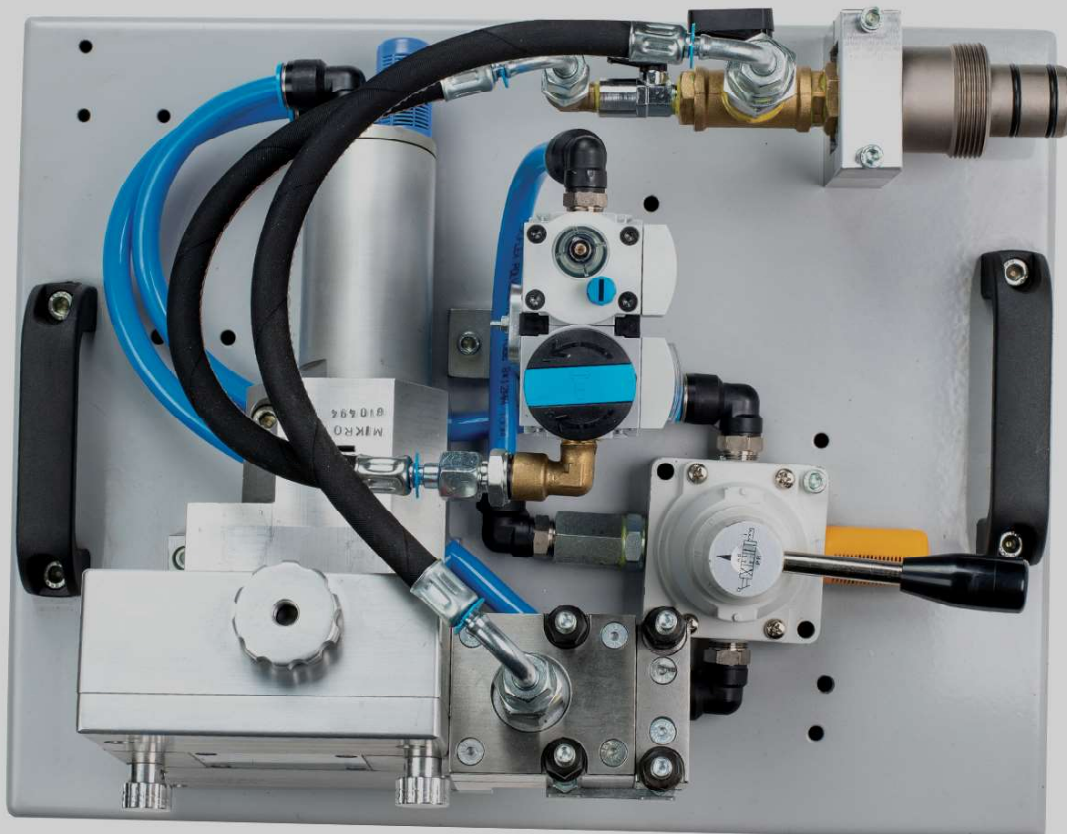


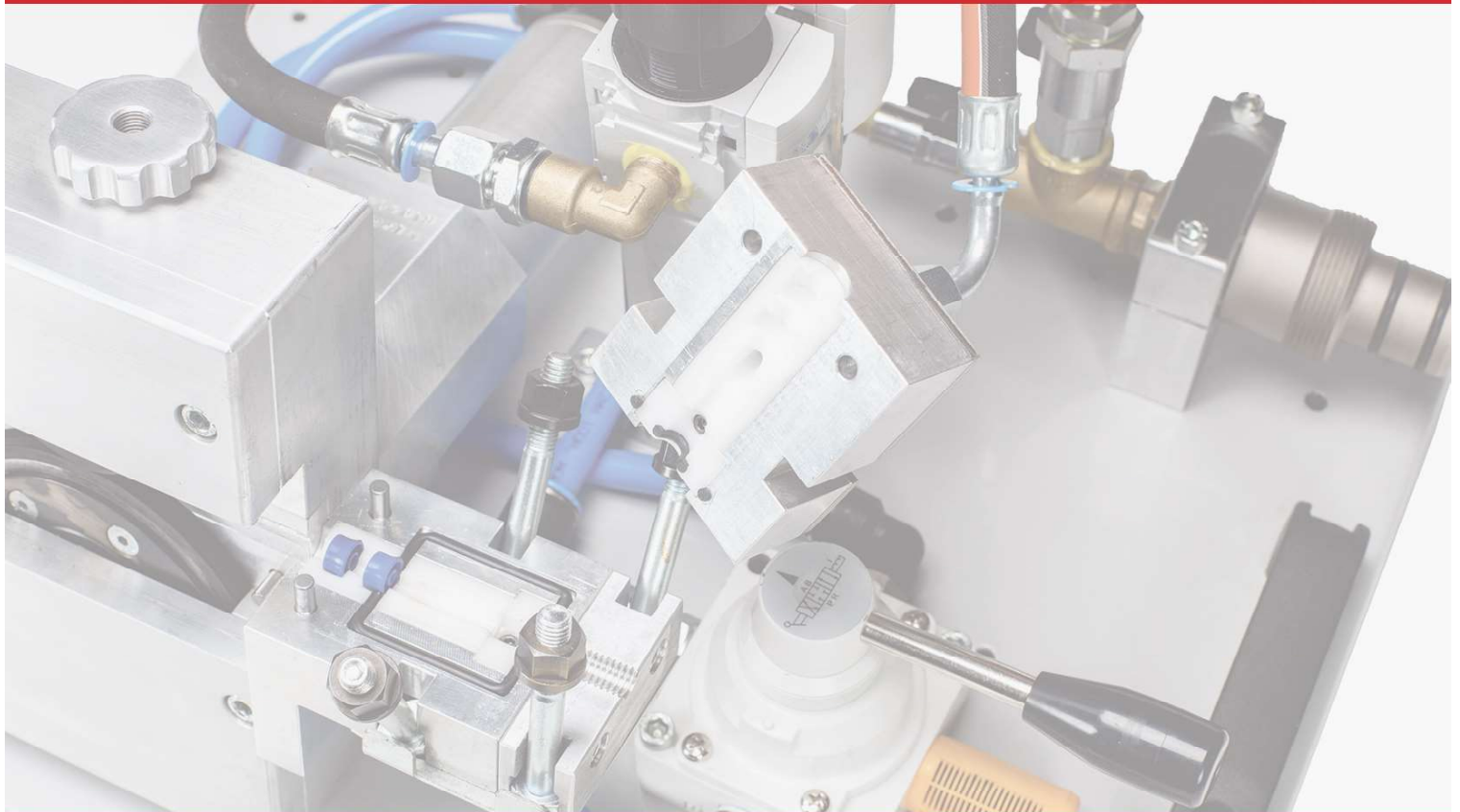
# TECHNICAL DATA

Mikro-Fok :	Micro Fiber Optic Cable Blowing Machine
Operatedbyone	technician
Cable diameter (mm) :	3 to 6.
Duct diameter(mm) :	8 to 15
Dimensions of Machine (cm) :	42x32x51
Weight of Machine(kg) :	28
Cable installing velocity :	0-80meter/minute.
Direction :	Forward and backward

## COMPRESSOR CAPACITY RECOMMENDATION

Efficiency	1 m3/min
Working pressure	12bars

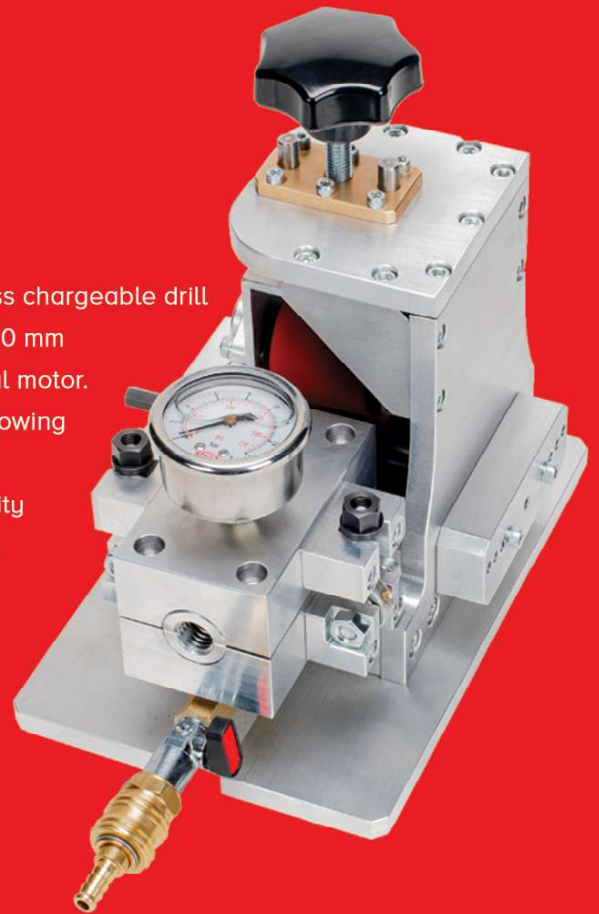






# DRILL FOK

Drill-FOK has no internal motor but only external motor such as cordless chargeable drill river. The Drill-Fok installs micro cable with a diameter range of 1, 5 to 10 mm and up to 1000 m with a speed of 110 m/min depending on your external motor. Its compact design makes your business incredibly easy. The cable blowing system structure ensures a fast and simple change of components for various cable diameter or duct diameters. Ergonomic design and mobility features make the Drill-Fok is ideal for either outside or in-building use. The Drill-Fok uses compressed air to install the cable. The drive roller, powered by most types of cordless drills-that should be ordered separately-control the microfiber as it is propelled into the micro duct. The drill-Fok machine takes the name from drilling tool because you do not need to use an internal motor with this machine you only need to use a standard drilling tool.



## DRILL FOK CONTENT

### CONSISTING OF

- 1set (2pcs) of RubberCoatedRoll
- 1pcs MechanicalMeterIndicator
- 1pcs HeadThreaded Drive Shaft

### WITHOUT

- ChargeableDrillingTool
- LubricantOil
- AirCompressor

### WITH

- 1pcs Operator Guide
- 1pcs –Cable Inserts: Options1,5mm to10mm
- 1setDuctInserts
- 30pcs Blue Nutring (6pcs per Cable Dia)
- 2m Black Rubber O-Ring
- 1pcs ProtectedWooden Case withholder
- 1pcs QuickInsertAirJack

DRILL FOK

# TECHNICAL DATA

## DRILL-FOK

• Operatingwithexternal	drillingtool
• Micro DuctDiameter (mm):	3-18
• Cable diameter (mm):	1-5mm
• Max. Operating Pressure:	15bar
• MeterIndicator:	Mechanical
• BlowingDirection:	Forward and backward
• Quickconnection	pipe from compressor
• Max. BlowingDistance:	1000m
• BlowingSpeed:	90m/mindepends on external motorspeedcapacity
• WeightwithoutPackage:	6
• GrossWeigtwithPackage:	10kg
• Dimensionswithpackage(cm):	27x32x28

## Compressor Capacity Recommendation

Ductsupto	8mm – 0,8 m3/min
Ductsupto	8/12mm – 1,0 m3/min
Ductsupto	12-15mm – 1.5 m3/min

Theseareminimum compressorrequirements. Youmayusehighercapacity of compressorwhich can increasetheeffectiveness. You can overcomethehandicap of improperlyinstalledducts.

## Drive Roller, Cable AligningandDuctOptions

Drive Roller (mm)	Cable AligningTool &Nutrings (mm)	Duct Connection Tool (mm)
D1: 1.5-2.5	C1: 1.5-2.5	D: 3
D2: 2.5-4	C2: 2.5-4	D: 4
D3: 4-6	C3: 4-6	D: 5
D4: 6-8	C4: 6-8	D: 9
D5: 8-10	C5: 8-10	D:13

## ORDERING CODE

Drill-FOK	D1+2	C1+2	D3+5+13	Multiple Ordering
Machine	Drive Roller	Cable Aligning Tool &Nutrings	Duct Connection Tool	Multiple Ordering
Drill-FOK	D1: 1.5-2.5	C1: 1.5-2.5	D: 3	D8+12+15





# Y-BLOCK CONNECTOR

Y-connector or Y Block Overflow is a cable blowing accessory for overblowing existing cable in a duct with a cable blowing machine. In case of there is a cable already blown into duct you can blow another one or you can blow the third cable.

Without Y Connector overblow device you cannot increase cables as you cannot prevent air leaks. You can use this tool for different ducts and cables by cable seals and nuttings that we will be supplied with the product as per your requirements. Required ducts and cable diameters should be stated separately.

The Single Size Junction Box consist of an aluminum base and cover that structure a pressurized air chamber into which one finish of a current involved inner duct can be appended. The current cable can leave the case through an exit hole that has 3 cable seal spaces, one of which will house the seal to suit the size of the current cable. The third branch is then associated with a Cable Blowing Machine through a short slave length of inner duct for the deployment of the additional cable or tube(s). Required seals should be provided as the Y Connector doesn't include any accessories in shipping configuration

Y Connector Jetting Tools / Y block overblow devices are engineered to optimize the space in an existing occupied duct and enable you the deployment of a 2nd cable, or multiple micro-ducts while blowing the Fiber Optic cables. For cables Ø 4 to 22 mm and ducts OD 20 to 63 mm. The blowing performance achieved with this device corresponds to around 50% of the one achieved with the first cable. This means that you will blow the second cable slower than the first one. One branch of the Y-Block Connector connected with the machine is utilized for feeding the second cable in the duct. Deployment distance accomplished with two extra cable is almost equivalent to the one got with one cable.

## Features

- 1). Compact and light
- 2). Allows admittance to extremely small dia. chambers
- 3). Easy transportation
- 4). Easy maintenance
- 5). Easy control (allows you to use it in the two directions)

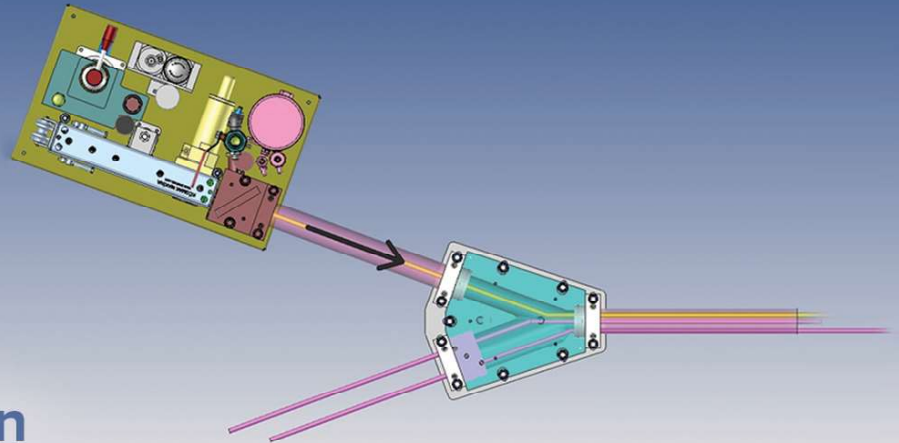
## TECHNICAL DATA

Standard version	Y-Connector
Type	Standard
Cable dia. [mm]	6-18
Duct OD [mm]	20-63
Max. Air pressure [bar]	12
Packed in Wooden Case:	Fumigated Plywood
Package Dimensions L x w x h [mm]:	370x 350 x 180
Total Net weight [kg]	14
Total Gross Weight [kg]:	17

# HOW TO USE Y-BLOCK CONNECTOR

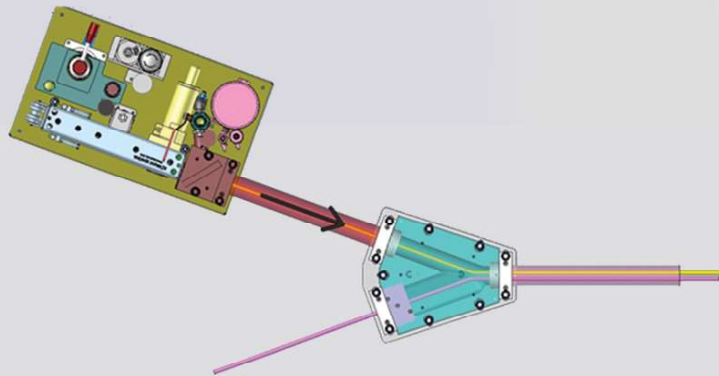
## 3 Cable Application

2 of Cables Are Fixed And 3rd cables is blown by the help of Y-Connector



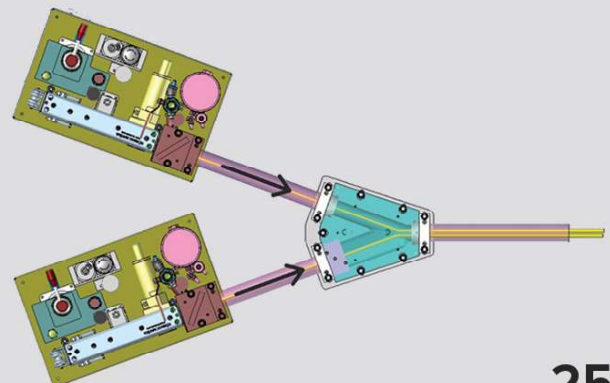
## 2 Cable Application

2 of Cables Are Fixed And 3rd cables is blown by the help of Y-Connector

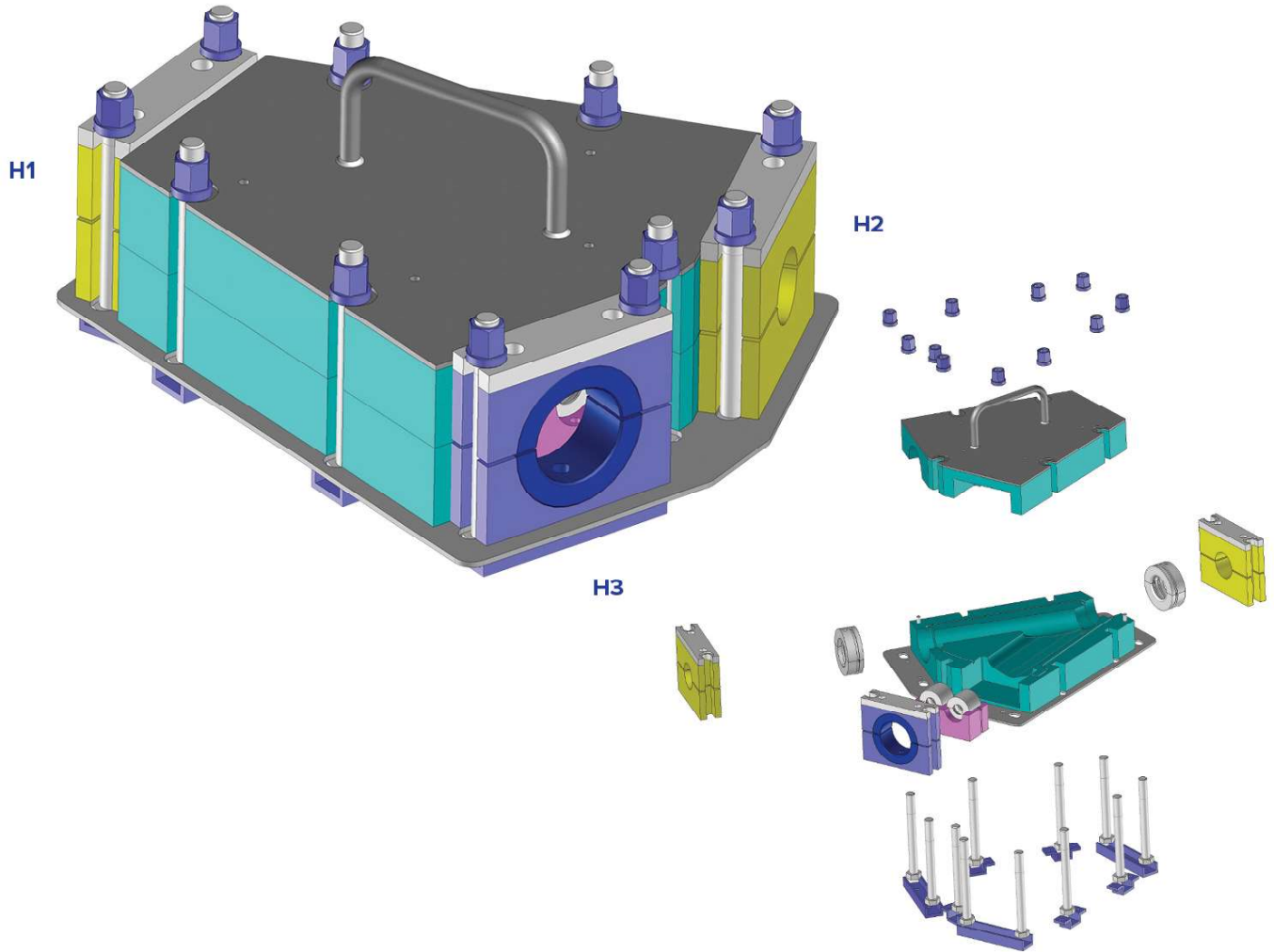


## 2 Cable 2 Machine Application

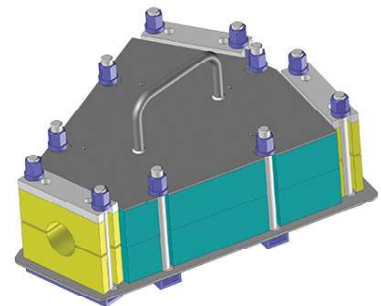
2 Cables Simultaneously Are Blown By 2 cables Blowing Machine.







Y-connector	H1 H2 H3	C1 = 4-8 , C2 = 9-13 , C3 = 14-18 , C4 = 19-25
Connector	HDPE Duct Parts	Cable Aligning Tool&Nutrings
Y-Connector	H1	C1
	Multiple Ordering	
	H1+3+4	



# AIR COOLER

Air Cooler remarkably effects and increases the "blowing" performances and protects the cable from the high temperature with the cooling feature of this accessory when climate temperature exceeds 20°C.

Therefore, Air Cooler Machine is very much recommended making a safe cable deployment in long distances without or with less friction and this will protect your cable from the potential damages that are mainly high temperature on the cable jacket surface. This heat may cause to melting of cable jacket and cost you high.

Moreover, special mechanism of machine changes the high temperature air with the air outside. The pressurized cool air will drive the fan that propels the air outside with low temperature.

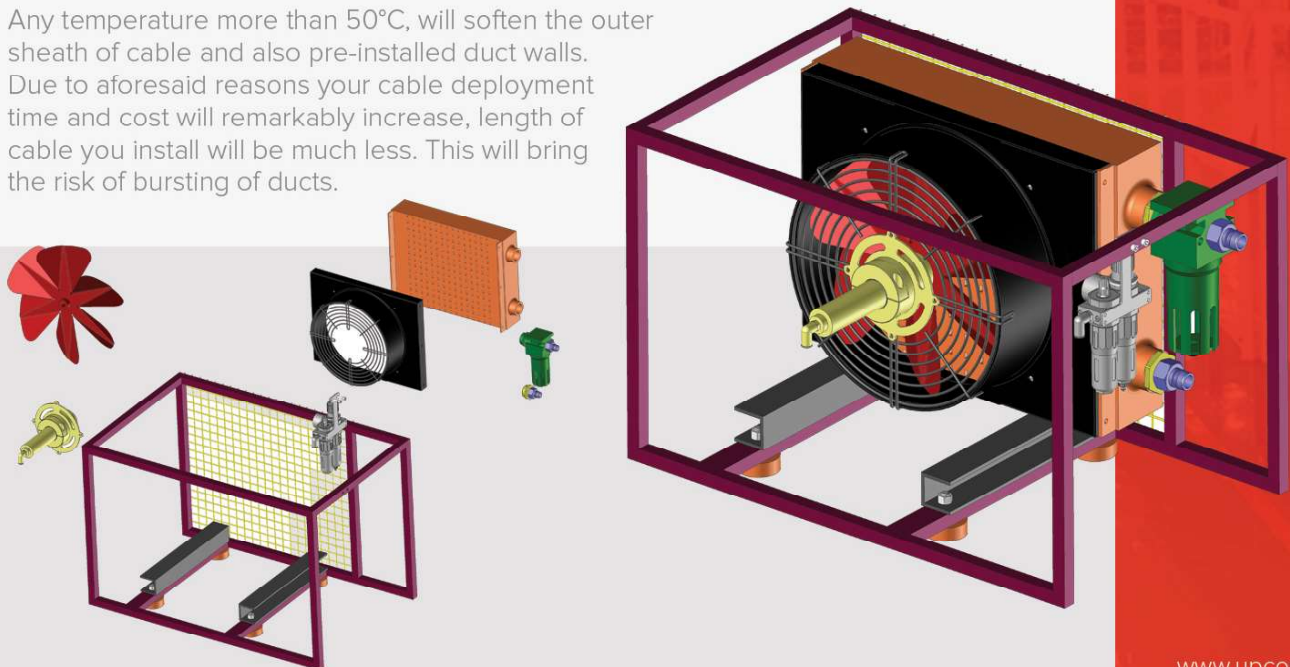
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This machine should be placed between the air-compressor and the cable blowing machine, which limits the pressurized air's temperature up to max around 10°C more than the air in the climate in order to prevent the overheating problems.

Without air cooler, the temperature of compressed air exiting the compressor is around 35°C above the ambient temperature.

In case no air cooler, then the air temperature compressed may exceed the environment temperature by 30 or 35°C. This means that total temperature may go up to 70°C. Such a temperature will melt the outer jacket of cable.

Any temperature more than 50°C, will soften the outer sheath of cable and also pre-installed duct walls. Due to aforesaid reasons your cable deployment time and cost will remarkably increase, length of cable you install will be much less. This will bring the risk of bursting of ducts.







## AIR COOLER FEATURES

- Easy to move
- Instant Fast set-up
- Simple to use
- Maintenance free, no special equipment needed.
- No dependence to any power source.
- Well secured against possible mechanical strikes

### TECHNICAL PARAMETER

Standard version

Max. air requirement of engine [m<sup>3</sup>/min]

Max. operating pressure (bar)

Max. air flow [m<sup>3</sup>/min]

Max. air inlet temperature [°C]

Max. air pressure at the motor [bar]

Max. pressure drop [bar]

Package Dimensions l x w x h [mm]:

Total Net weight [kg]

Total Gross Weight [kg]:

Air cooler

0.85 (at 7 bar)

12

12

100

7

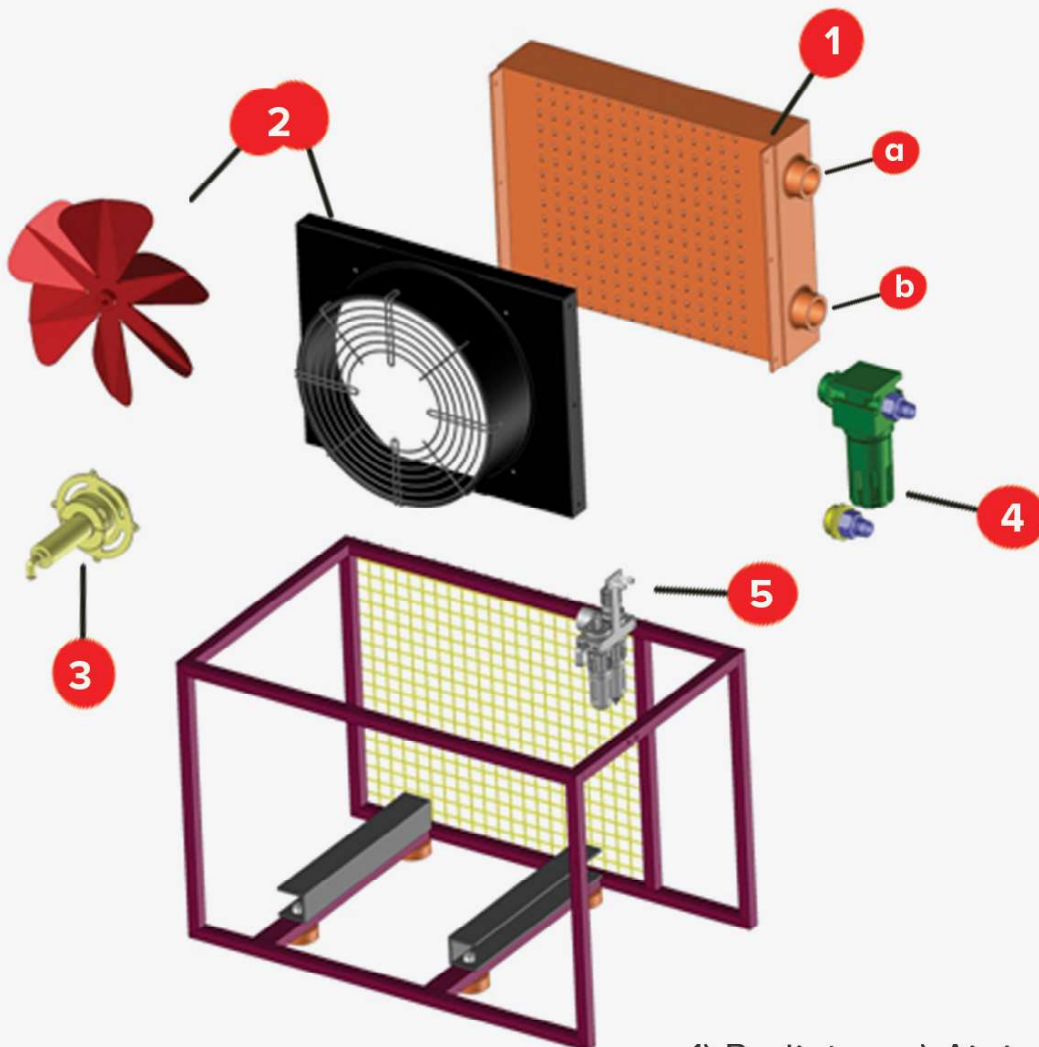
0.2

820x540x600

40

56

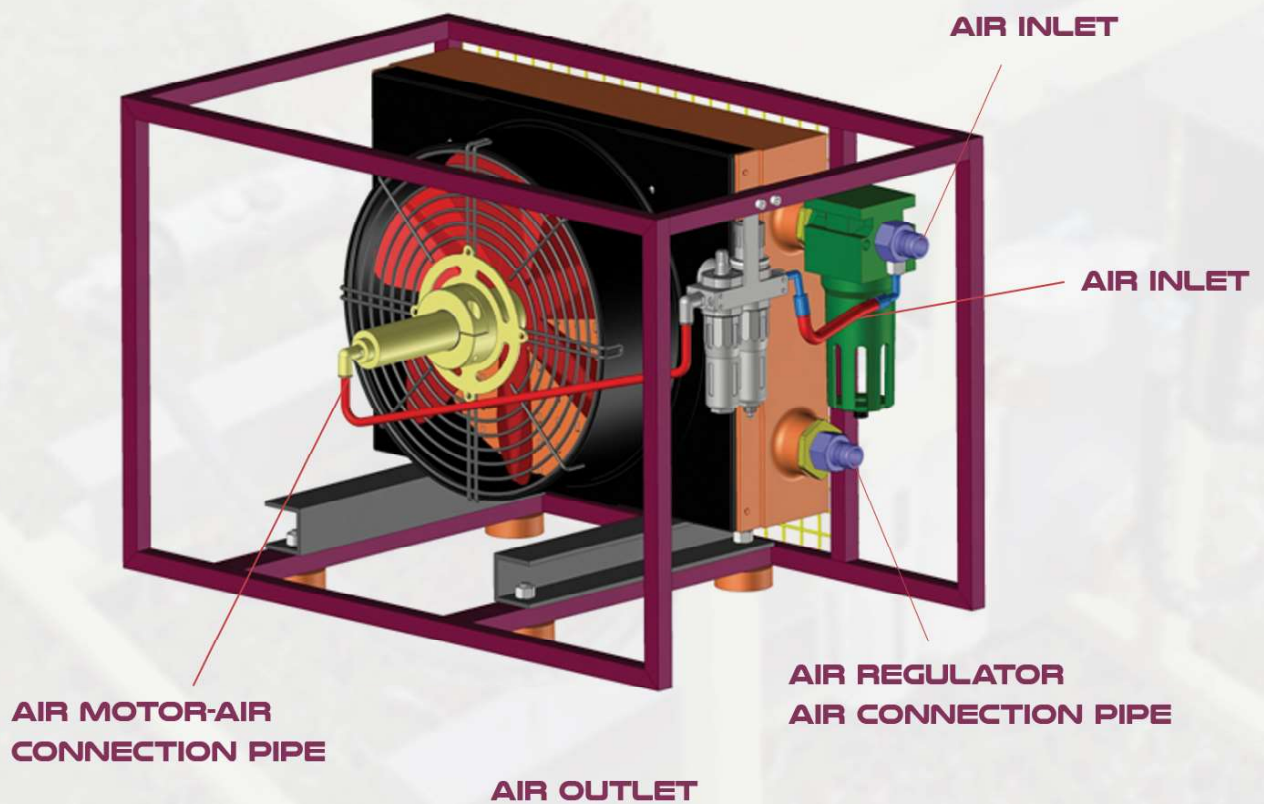
# SOME SPECIFICATIONS OF AIR COOLER



- 1) Radiator a) Air in b) Air out
- 2) Propeller and propeller body
- 3) Air Motor
- 4) Filter
- 5) Air regulator



# HOW TO USE AIR COOLER



First, the air from the compressor is directed through the filter through the air inlet to the radiator. The air that cooling in radiator exits from air outlet and it is ready for using at the machine. There are two air pipes for running to air motor. The first pipe transfers the air to air regulator. The air that lubricating in regulator transfers to air motor through the second pipe.

# ALUMINUM SPLIT DUCT COUPLER



Aluminum Split Duct Coupler is hinged and for temporarily coupling all types of innerduct during the cable blowing process. The wing nut makes it very easy to quickly assemble and to disassemble the leading section of innerduct before and after blowing fiber. They are used for installation Fiber Optic Cable with cable blowing machine to connect the underground install duct to couple with loaded ducts. Our coupler is made of high-grade aluminum raw material that can stand against environmental difficulties such as fungus attacks and corrosion. Very easy to use at trench depths or manholes. You don't need any spanners.

Standard Size available are at 20, 32, 40, 50mm, and can be customized upon request.

## Features

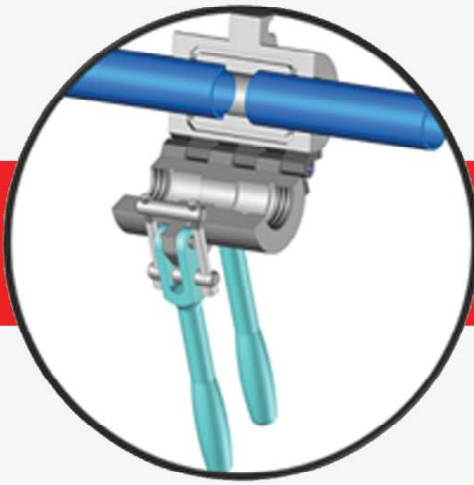
- Small and light
- Allows access to very narrow chambers
- Easy transportation
- Easy maintenance
- Easy manipulation (possibility to use it in both directions)
- No nut, no losing them in trenches

## Why to use a Split Innerduct Couplers

There are two advantages of Duct Coupler. One of them is that you spend much less time in coupling the ducts compared to plastic tools. The other advantage of Duct Coupler is that you can re-use these devices with no limitation. However standard plastic pipe coupler devices take too much time and you cannot remove it from the cable without cutting or breaking them that is highly cost in long term. Our steel Duct Coupler is designed cope all these difficulties. You will work much more efficient with these tools and less costly.



# HOW TO USE A DUCT COUPLING DEVICE?



## How to use it?

Super easy to it , Open the coupler, place the cable from both sides. Tighten the couplers and start installing



## Duct Connector

Duct Diameter O20-O32-O40-O50  
Duct be produced with various diameter as per customer requirements

## Ordering Code

Duct Coupling Device

D20

Device

Duct Diameter

## Duct Coupling Device

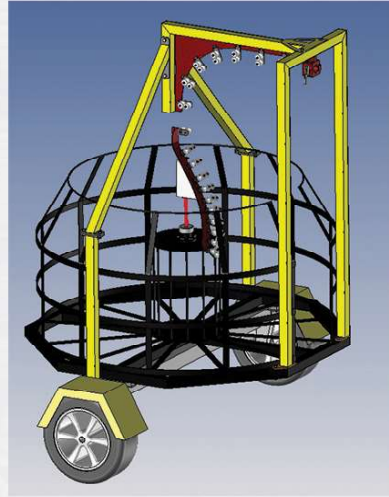
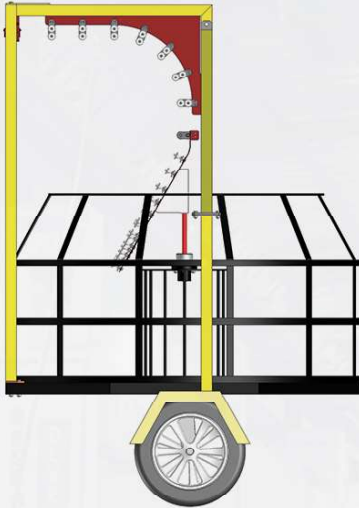
D20

D32

D40

D50

# TRAILER MOUNTED CABLE FLEETER



The Trailer Mounted Cable Fleeter replaces the manual handling for "figure eighting" cable and gives extra protection and security to the cable. Following deployment of the cable in the first leg of duct route the balance of the cable is taken out from the drum and took care of into the Fleeter, thereby delivering the cable end ready for blowing into the second leg.

The Fleeting machine enables a smooth and simple system while assuring the cable safety from pedestrians or vehicles and prevents contamination from mud, soil or dust.

The Fleeter is built to operate with the cable blower, which delivers cable supply within and outside of the Fleeter. The unit hosts (3,000 meters) of (13mm) cable, allowing drum lengths of (6,000 meters) to be utilized. The Fleeting machine is made of a road going trailer chassis on which is mounted a cable storage cassette, rotating cable guide quadrant and duct clamp assembly.

## TECHNICAL DATA

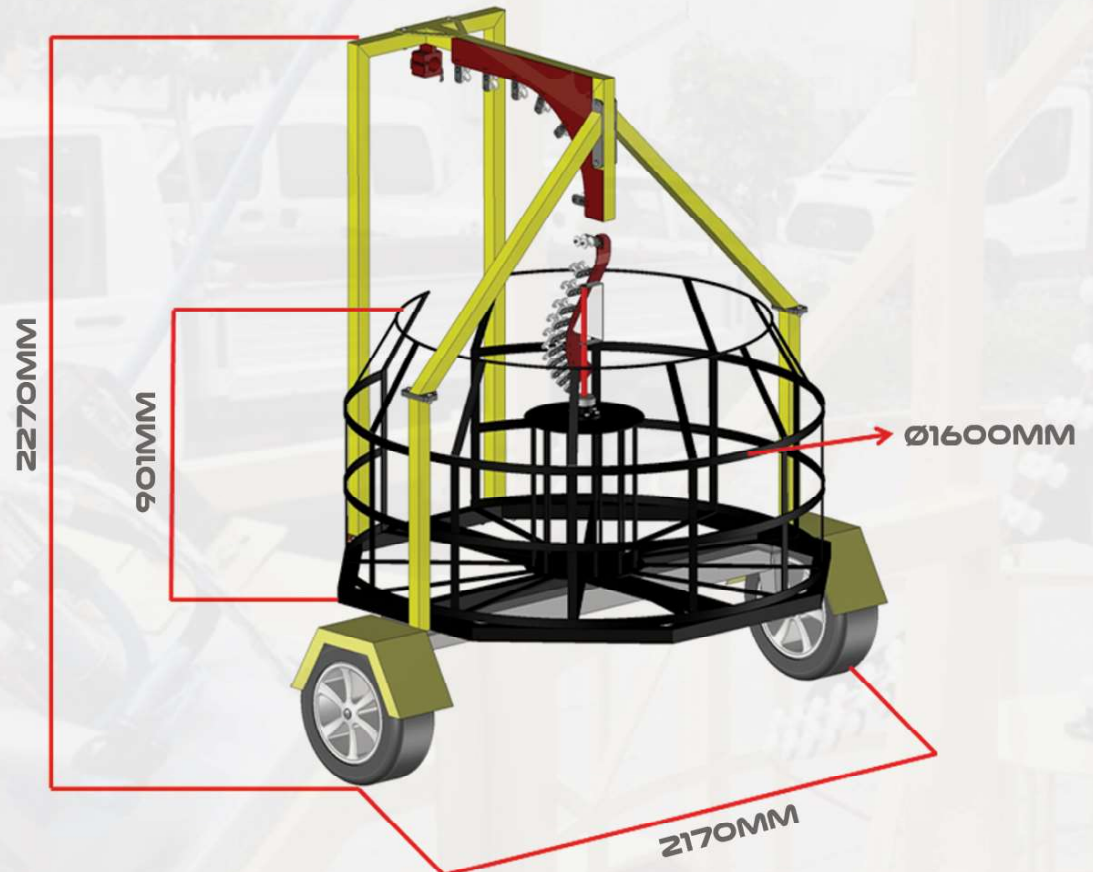
Drum Diameter Max:	1600 mm
Drum Diameter Min:	800mm
Tyres:	145 R10
Length:	3420mm
Width:	2300 mm
Height:	2330 mm
Weight:	325kg
Weight with box:	420 kg



# AIR COOLER FEATURES

- Brakes: Interia type brakes with autoreverse
- Towing Hitch: Eye – 30mm, 40mm, 50mm
- Ball Type – 50mm

## DIMENSIONS



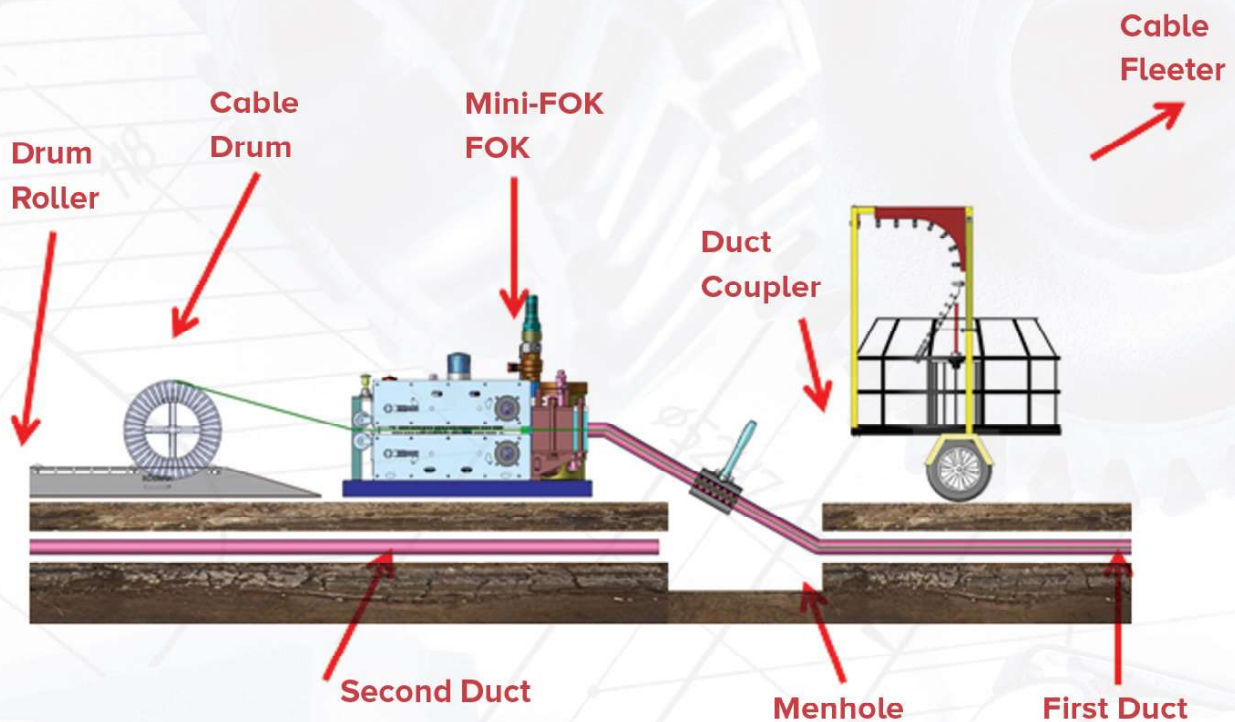
## ORDERINGCODE

### Cable Fleeter

Machine	Pallet Set	Cable Aligning Tool & Nutrings	Duct Connection Tool
Cable Fleeter	N/A	N/A	N/A

All accessories and tools are included.

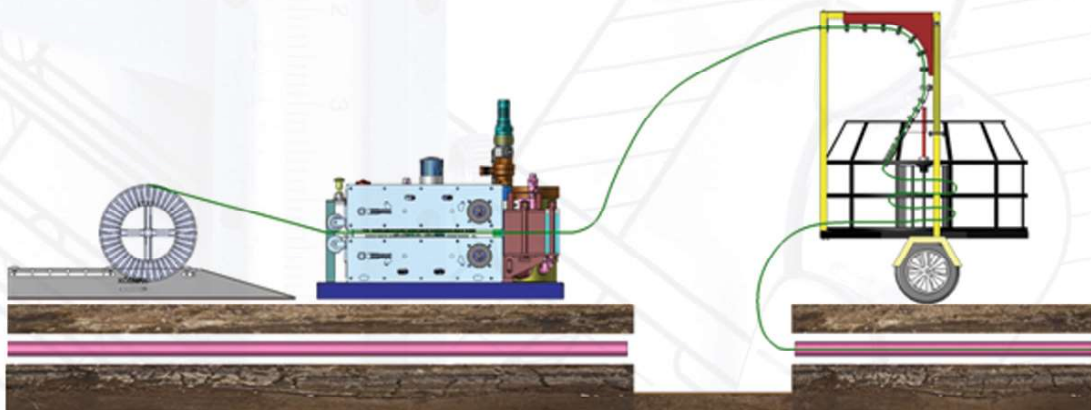
## HOW TO USE CABLE FLEETER



### We have;

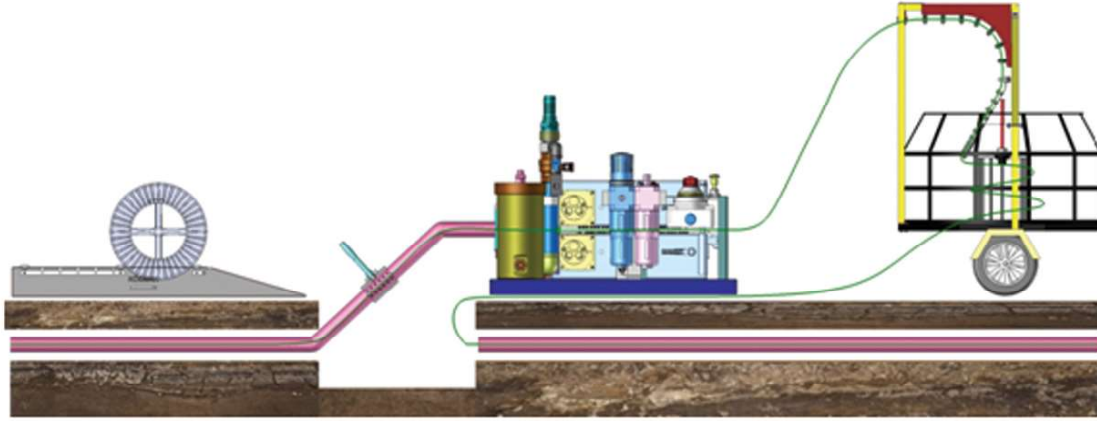
Cable Drum having 2km of fiber cable, FOK Machine or Mini-FOK Machine, Duct Coupler, Cable Fleeter.

**1st first step,** We install 1km Fiber cable into first duct



**2nd step,** We un-drum remaining Fiber Optic cable into Cable Fleeter.



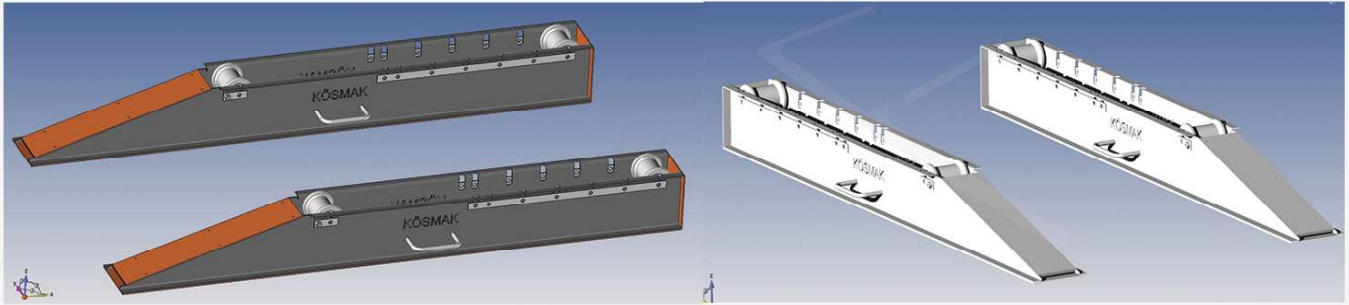


**At 3rd step,** We install the fiber optic cable - that we have un-drummed into Cable fleeter on the step step- into second duct.



**Finally,** 2km of fiber cable is deployed into both of the ducts.

# CABLE DRUM ROLLER



Cable Drum Roller is the tool for Rolling cable on it. You can use cable drum roller for different drum diameters and different widths. You shall change the place of rear roller to use machine for different cable drums. You can use cable drum roller for drums from 400 mm dia to 1500 mm diameter. It is handy structure allow you to to carry on your hand. This robust heavy duty adjustable cable drum roller set (also known as a wire drum roller) is ideal for despoiling and recoiling various cables during installations. Cable Drum Roller is manufactured from heavy duty fabricated painted mild steel and uses heavy duty rollers (which are also adjustable) to ensure any size drum should fit. Ramp entry and exit eases the loading and unloading of drums onto the rollers themselves

## ORDERING CODE

Machine	Pallet Set	Cable Aligning Tool & Nutrings	Duct Connection Tool
Cable Drum Roller	N/A	N/A	N/A

All accessories and tools are included.