

DRILLSKY

1mm - 6mm



**USER MANUAL &
MAINTENANCE
INSTRUCTION**

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2300+

Project Completed

100%

Satisfied Customers!

About Us

Our company ever since its incorporation in the telecommunication sector has been operating the fiber blowing machine. Our company since its establishment until the superior service quality and customer satisfaction continues to be one of the leading companies.



Since 2002 we started to manufacture about the spare parts and their components in Kocaeli. We mainly; Automotive, Telecommunication and Industrial Equipments & spare parts manufacturing.

After six years we started to manufacture fiber blowing machines and spare parts in our Kocaeli factory.

Allame Makina was given the opportunity to assist a new customer in equipping a new plant with newly built equipments for Telecom sector. The request was for us to design and build equipment very similar in operation to their existing production equipment.

Now; we are specialized only fiber optic cable blowing machines and spare parts manufacturing. All parts & Design & RD in our factory and we developing 100% handmade qualified machines with our engineers



Our Quality Standard is Always Highest

Since its establishment, Allame Makina has always made important studies on developing its own products and production technology, taking into account the changing market and competitive conditions.

In this direction, investments were made in human resources with increased engineering power and collaborations were established.

Our Vision

- Profitable and sustainable growth to ensure long-term customer and employee satisfaction, and satisfaction as well as aims.
- We export machines to over 70 Countries & 4500+ satisfied customers within 15 years.

Our Mission

- High standards, quality service in the time of our customers to maximize customer satisfaction and respect the rights. Our products, solutions, after sales service we provide our customers with reliability and high business ethics as the first choice to be a company that creates value for our employees and our customers.



There are two factors that we pay most attention to in the production process, the first is to reach the quality standard in production and the second is to make the product ready for delivery to the customers without any delay in the delivery time.

We produce with our rich and high technology machine park and experienced technical staff. Our production is carried out with computer-aided technical drawings prepared in a 3D environment, So all products are produced at the specified standards.



Why Allame?

Allame Makina has always prioritized quality and customer satisfaction in its works.

— Allame —

		
Easy use for jetting operation on site	Generated big power with strong engines	CE approved certificates machines
Cable jetting machines has own motor power to blow up to 6000 meters one shot.	There is pneumatic and hydraulic versions that can blow fiber cables.	CE and ISO certificates available and approved from certified company.

		
Large fiber optic cable range	Best price for cable blowing machines	Spare parts available for everytime
Fiber optic cable diameters start from 0,8mm up to 30mm.	Quality & Performance and best price guaranty from outside.	Cable blowing machines manufactured our design and available stocks.

Fiber Blowing Machine

DRILLSKY

1 mm - 6 mm



DrillSKY is a machine used to blow fiber optic cables into HDPE pipes. DrillSKY cable blowing machine performs blowing of fiber cables between 1mm and 6mm . DrillSKY cable blowing machine works with the drilling machine and gets the pushing power from the external drilling machine.

DrillSKY | Cable Blowing Machine



General Details

Recommended amount of compressed air for MicroSKY :
15bar / 1 Cubic Meter / Minute

Fiber Optic Cable Diameter :
Range: 1mm-6mm

HDPE Pipe Diameter Ranges:
Can be adjust optionally

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DrillSKY cable blowing machine works with the drilling machine and gets the pushing power from the external drilling machine.

Practical and Functional

DrillSKY fiber optic cable blowing machine allows you to pull fiber optic cables between 1mm-6mm quickly and reliably thanks to its easy and practical use.

Our machine, which takes the compressive force from the electric motor, pushes the fiber optic cable into the HDPE pipe. Small and light weight makes it easy to carry around. One person can operate the machine. There is a digital meter counter in the machine. Thanks to this meter counter, you can quickly record the discarded cable meter without the need for an extra measuring device.

Ready to Use and Installed Delivery

DrillSKY cable blowing machine is delivered to our customers ready to use and installed. Machine production is started by requesting only cable and pipe diameters from our customers. In addition, there is an extra digital meter counter in the machine.

DrillSKY is delivered to our customers ready to use and installed.

”



DrillSKY General Features

- It works with a rechargeable drilling machine.
- There is a digital meter counter.
- Hydraulic seal is provided according to the cable size.
- Forward / backward movement capability.
- Made from durable steel material.
- As it is small and easy to use, a great amount of time is saved.
- All the spare parts you need are included in the package.
- If there is a technical problem in the machine, we kindly request you to contact our full support line.
- 15 bar barometer
- 2 year service warranty
- 10 years spare parts warranty
- Waterproof Marine Storage Box

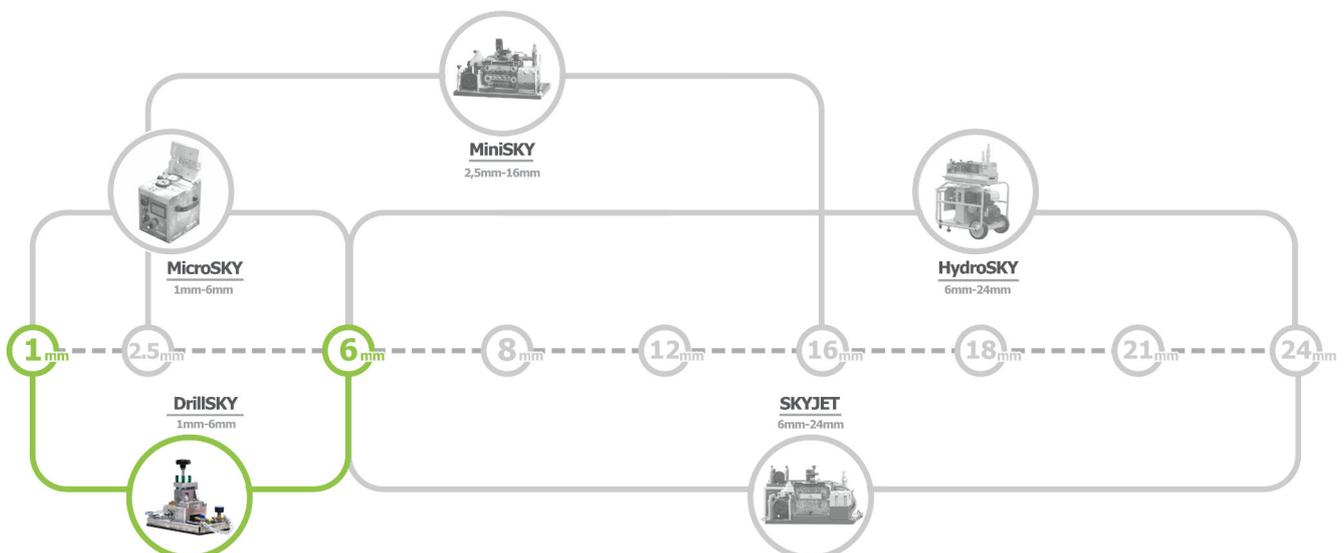


Indoor and Outdoor FTTH (Fiber to the Home) Projects

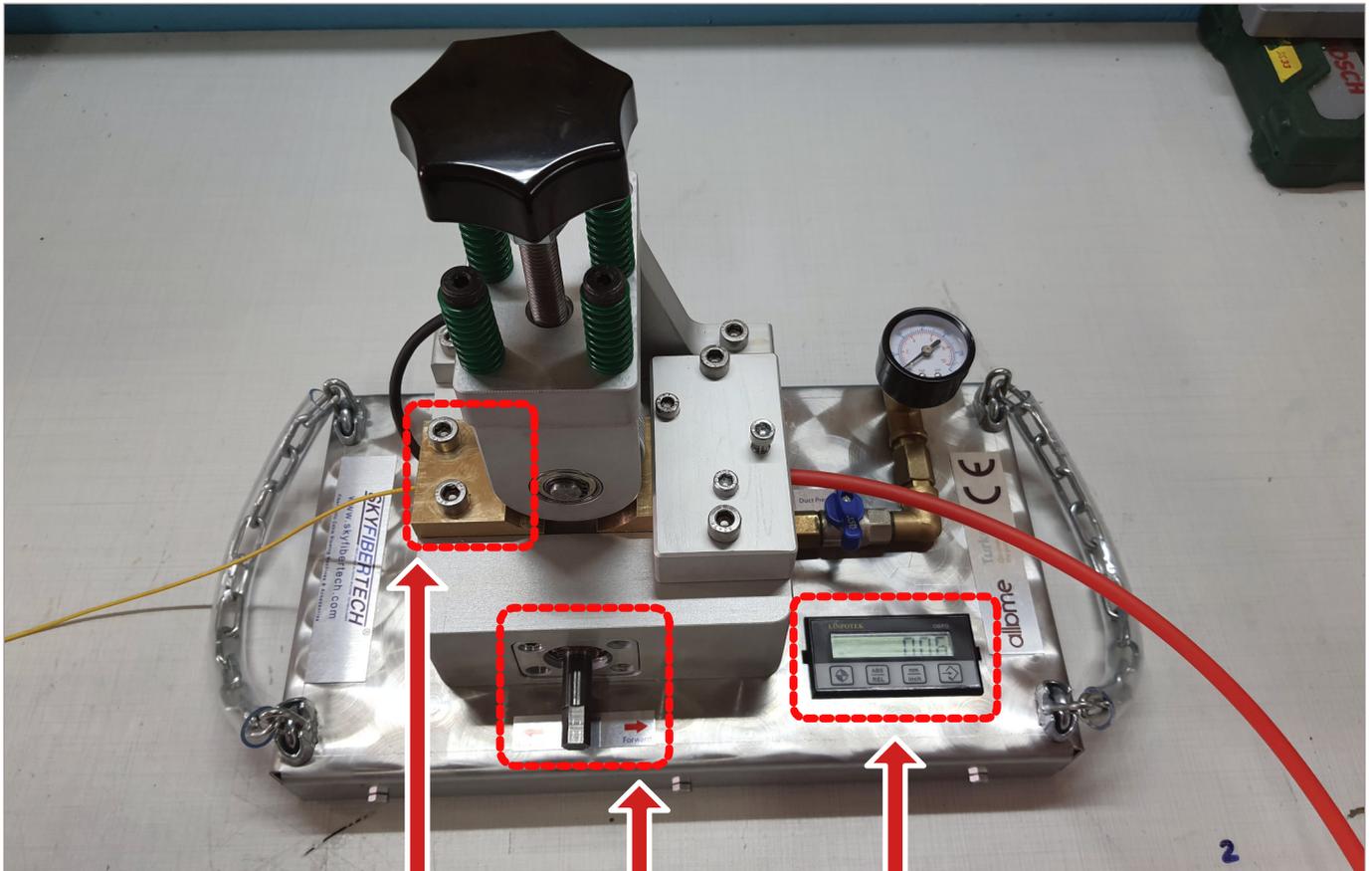
Microduct Cable Blowing Machine was developed by Allame Makine. Depending on the request, designs suitable for the project conditions can be used.

You save time and costs with our DrillSKY fiber cable blowing machines in your Indoor and Outdoor FTTH (Fiber to the Home) projects. Please contact us for further information.

DrillSKY Fiber Optic Cable Diameter Ranges



DrillSKY | General Introduction of the Machine



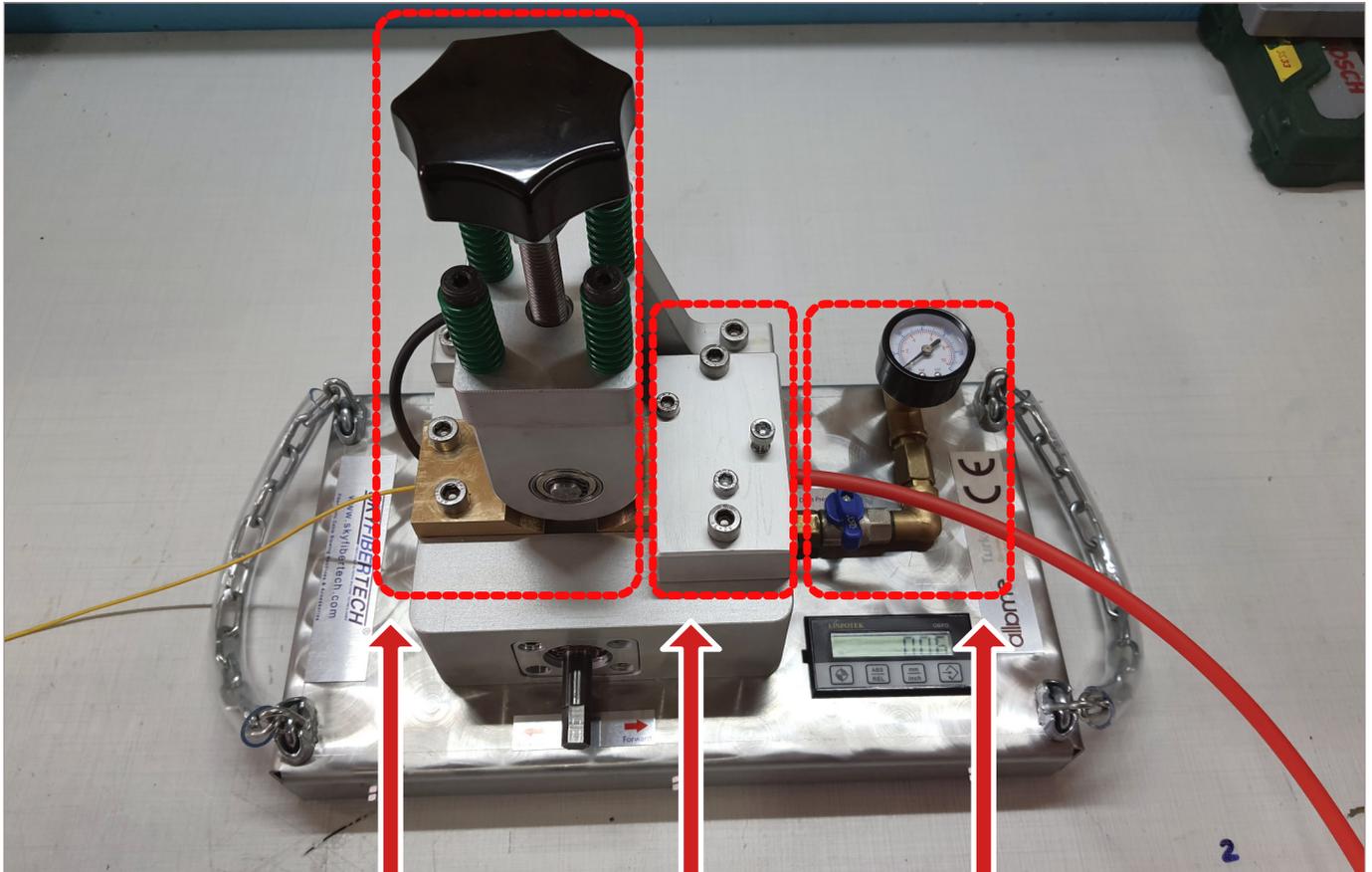
CABLE
ENTRY UNIT

DRIVE
SHAFT

DIGITAL
METER COUNTER

Drive Shaft

It is the shaft that an electric or cordless drill can turn with a **10mm** socket bit. It is directly connected to the wheel drive shaft, which enables the fiber optic cable to be driven into the HDPE pipe.



SPRING CABLE
COMPRESSION
SYSTEM

CABLE
OUTPUT
UNIT

COMPRESSED AIR
INSTALLATION AND
MANOMETER

Spring Cable Compression System

It is used to ensure the proper compression of the fiber optic cable between the two wheels.

Cable Output Unit

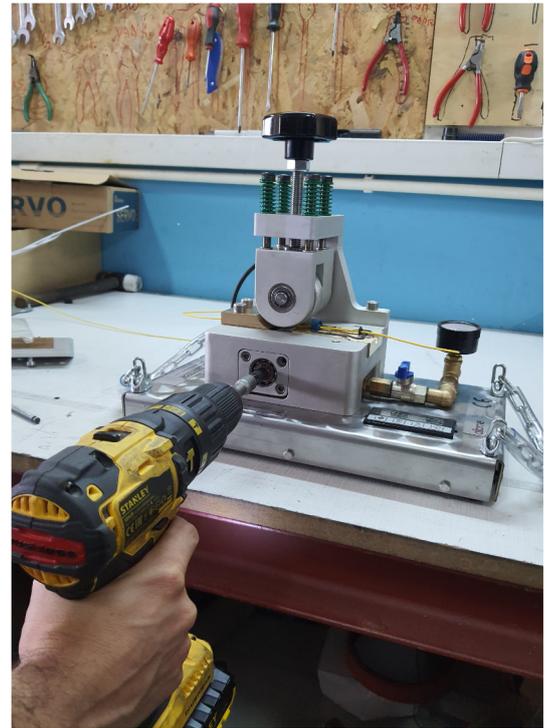
HDPE pipe is mounted and compressed air is supplied and fiber optic cable is blown into the HDPE pipe together with the air.

DrillSKY | Machine Installation

1

Step 1

The DRILLSKY Fiber Optic Cable Blowing Machine does not need to be installed by the customer, just by attaching the Air Coupling with Quick Connect feature to its slot as seen in the picture below, the machine becomes ready to be operated with the help of a drill.

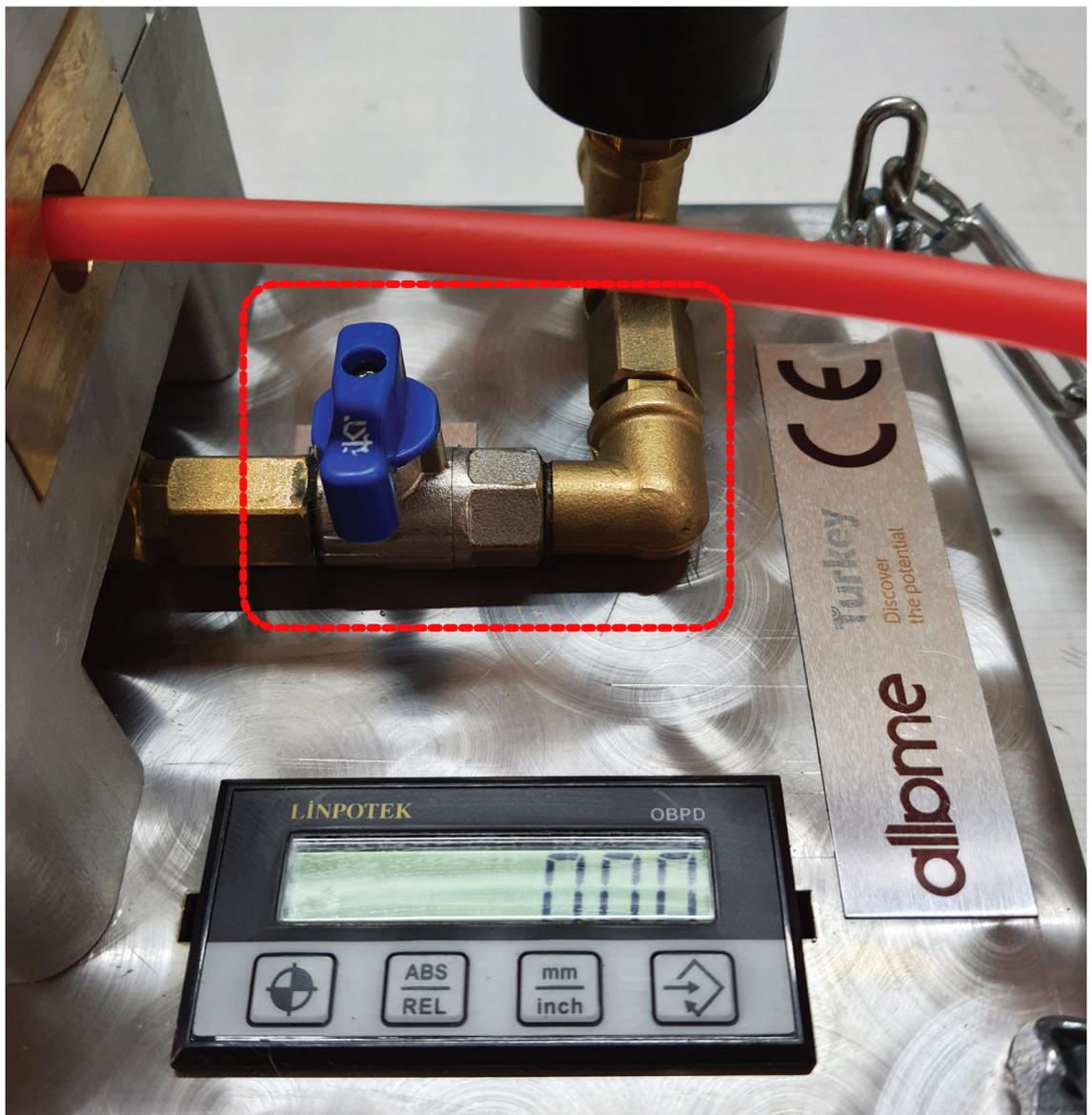


The machine needs a minimum of 4-6 bar compressed air for healthy operation.

2

Step 2

The air valves must be in the closed condition before the machine is started. *(As seen in the picture below)*

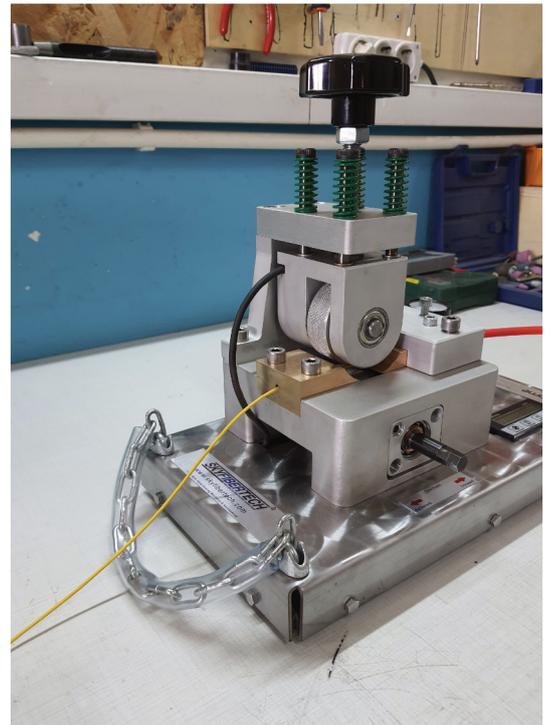


DrillSKY | Placing the Fiber Optic Cable in the Machine

3

Step 3

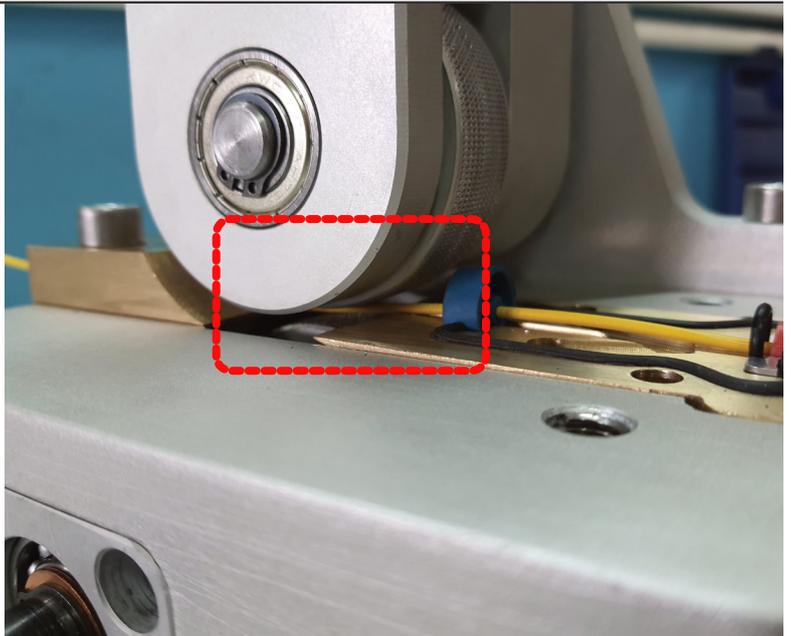
As seen in the picture below, the Fiber Optic cable is placed in the input unit and passed through the pallets, and the cable end is aligned to the end of the output unit.



DrillSKY | Placing the Fiber Optic Cable in the Machine

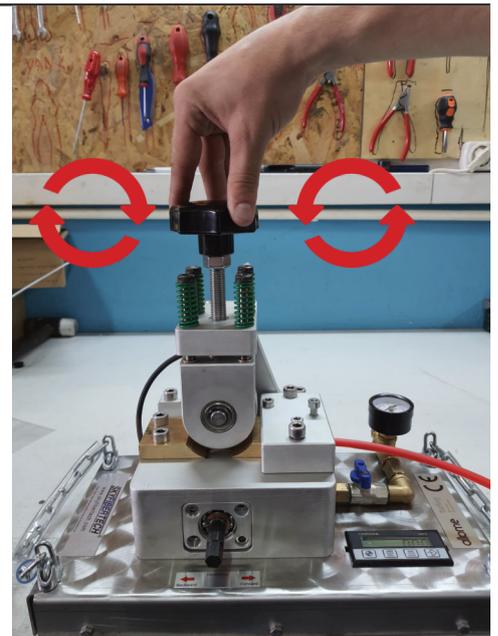
4**Step 4**

Fiber Optic Cable is compressed between two wheels and pressure is ensured so that the cable is not crushed.

**5****Step 5**

The centered cable is compressed between the wheels, but it should be made sure that the wheels do not tighten the cable too much or that it is not loose.

As seen in the pictures, when the pressure adjustment handle is turned clockwise, the wheels compress the cable, and when it is turned counterclockwise, the wheels release the cable.



DrillSKY | Placing the Fiber Optic Cable in the Machine

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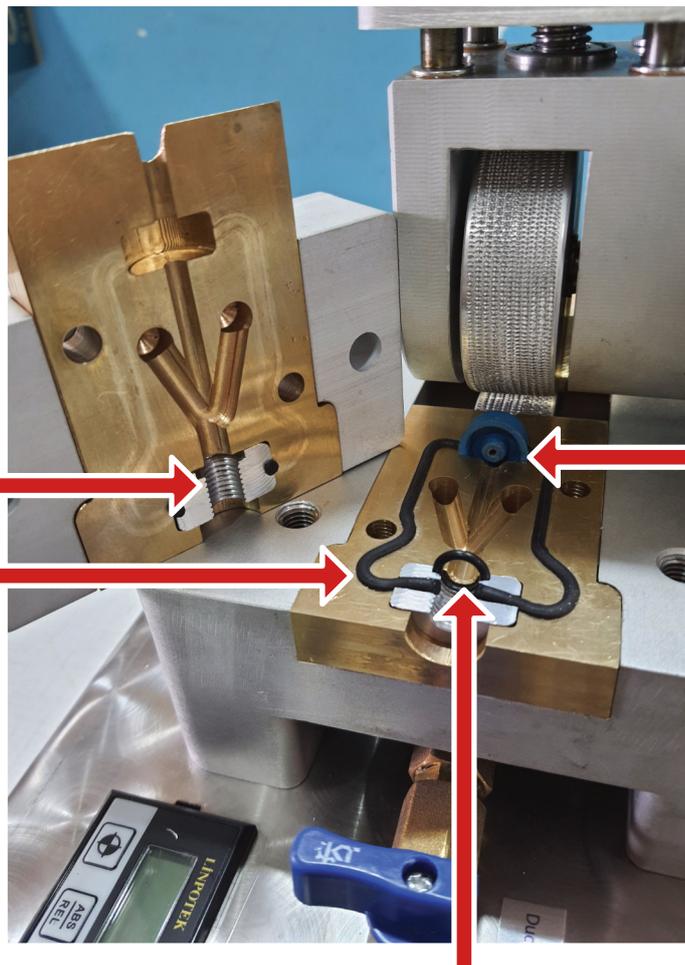
Step 6

Covers of Cable Exit Unit are removed and inside is checked, if filthy, it is cleaned with a clean cloth or compressed air.

Sealing elements are mounted inside the Cable Exit Unit. Nutring, strip gasket, o-ring gasket, and hose clamps should be mounted on the bearings of the outlet unit as shown in the picture.

HOSE CLAMP

SEALING TAPE



NUTRING
(Diameter
triples
change
according
to the
cable
used)

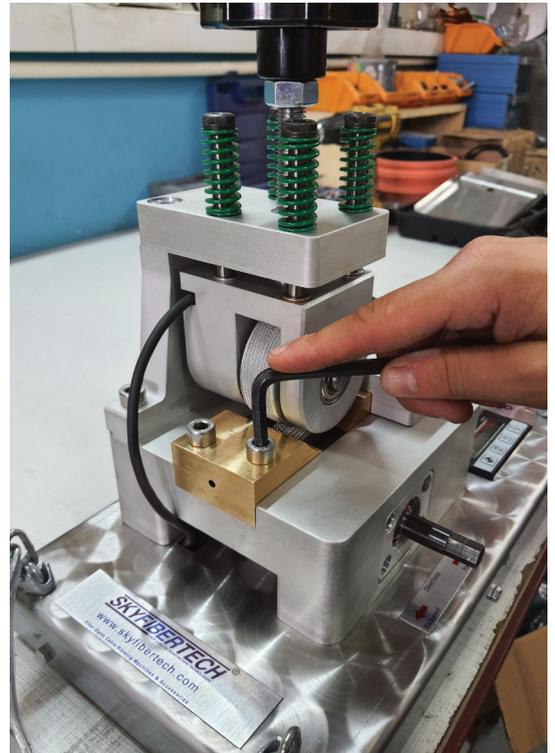
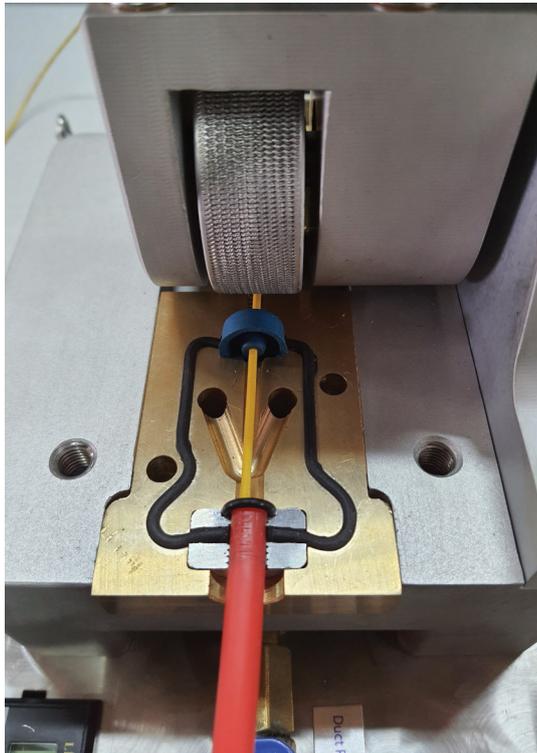
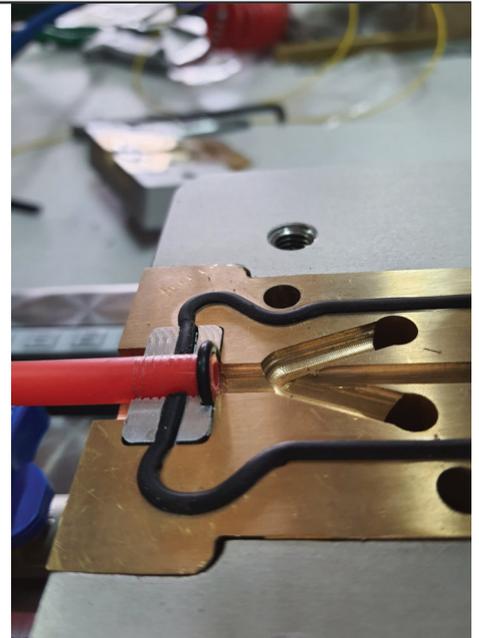
O-RING SEAL (for pipe inlet airtightness)

DrillSKY | Placing the Fiber Optic Cable in the Machine

7

Step 7

Sealing elements should be mounted in sequence as seen in the picture. Care should be taken during the assembly of strip and o-ring gaskets. According to the size of the o-ring seal slots, the diameter of the o-ring must be compatible. The sealing on the sealing elements sent with the machine must be the same in all operations. Covers of cable entry and exit units should be mounted as seen in the picture.

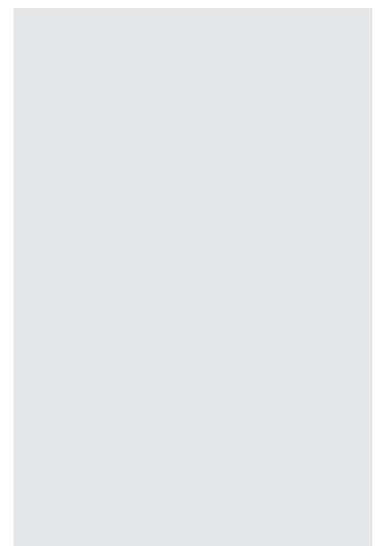
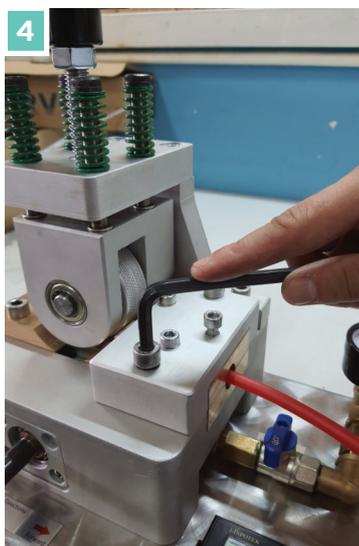
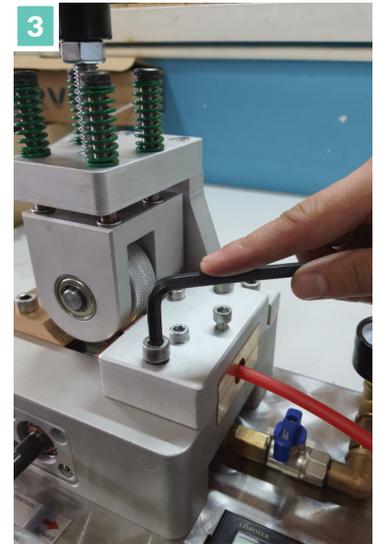
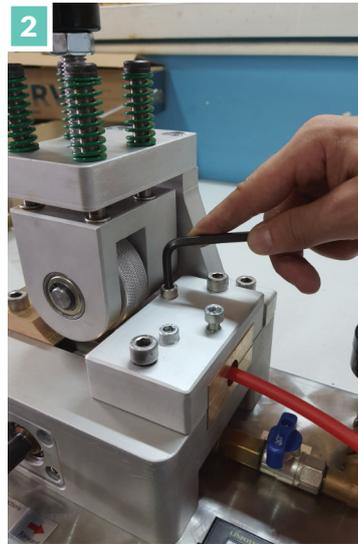
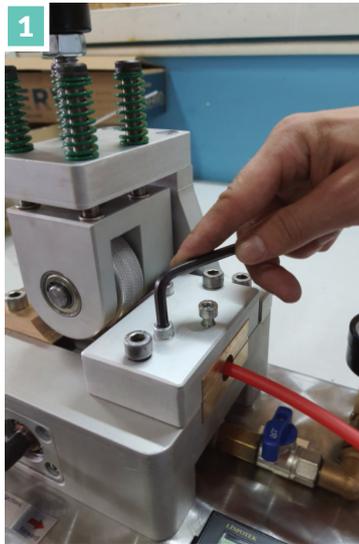


DrillSKY | Placing the Fiber Optic Cable in the Machine

8

Step 8

For sealing, the cover of the cable outlet unit should be carefully assembled as seen in the picture. If the tightening order of the bolts is not correct, an air tightness problem may occur.



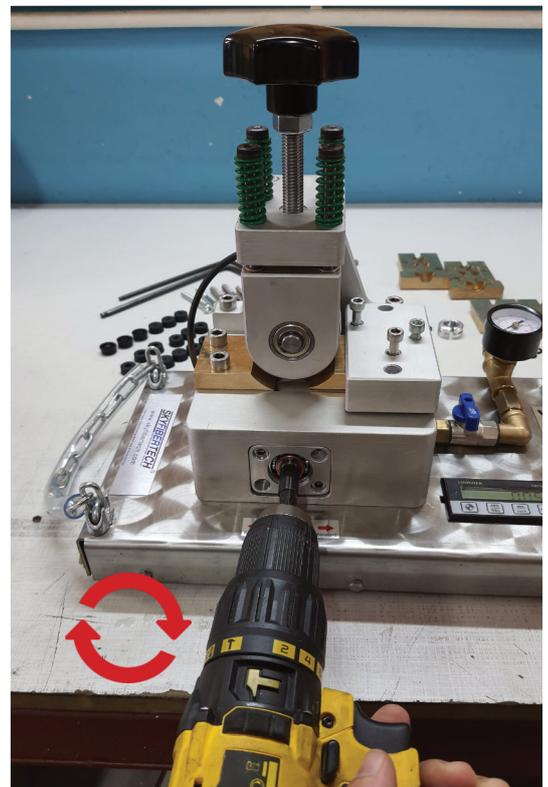
DrillSKY | Placing the Fiber Optic Cable in the Machine

9

Step 9

After the cable outlet unit and HDPE pipe assembly are completed, the mini ball valve in the air installation opens for **2-3 seconds**, this operation is for control purposes.

After the compressed air is turned on, the drive shaft is rotated clockwise with the drill and it is observed that the Fiber optic cable is pushed into the pipe without being pinched or twisted.



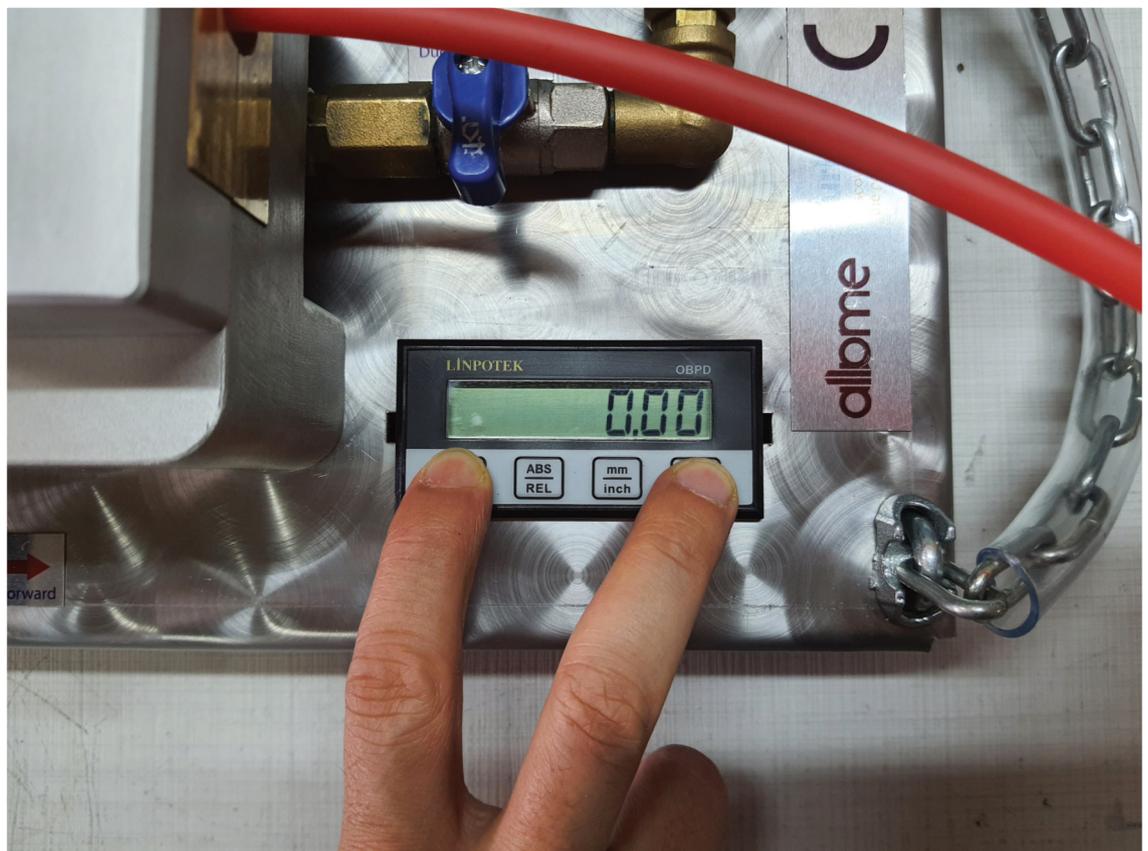
DrillSKY | Placing the Fiber Optic Cable in the Machine

10

Step 10

After checking the Fiber Optic Cable is transmitted into the pipe without breaking or bending, the cable is blown into the HDPE pipe at the desired speed, and the quantity of the cable transmitted into the pipe is measured with a digital meter.

The counter reset of the digital meter is done by pressing 2 different keys at the same time as seen in the picture.



DrillSKY | Changing The Wheel Positions

Changing The Wheel Positions According To The Fiber Optic Cable Diameter

The positions of the pressure wheels vary according to the cable diameter used, the drive shaft placement is shown in the pictures according to the cable diameters specified below.

Attention: In order to change the position of the drive shaft, the mounting holes of the bolts in the shaft bearings are replaced as seen in the picture. There are 2 drive shaft bearings located at the front and rear of the machine, a total of 4 bolts need to be replaced.

Cable Diameters Used : Please see **picture no:1** and **picture no:2** for **1, 2, 2.5 -3 mm**.
Cable Diameters Used : Please see picture no:3 and picture no:4 for 4, 5, 6 mm



DrillSKY | Spare Parts and Accessories



THANK YOU

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Product Catalog | Building Solutions for Your Works

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