

Indoor fiber optic cable blowing machine



Overview

The Miniflow is used for blowing in fibre optic cables from 4 up to 11 mm into ducts from 7 up to 20 mm. The Miniflow has a robust and compact design and is very simple to operate.

Key Takeaways

Indoor fiber optic cable blowing machines are specialized tools designed to efficiently install micro and mini cables into pre-laid conduits or microducts with minimal friction and damage.

Key Features

Cable and Conduit Compatibility: Most indoor fiber blowing machines handle micro and mini cables ranging from 1 mm to 16 mm in diameter and can blow them into tubes or ducts from 3 mm up to 42 mm depending on the model (Ultimaz™-E™, Intelli-MicroJet™, OptiJet™, Miniflow, MiniFOK PLUS). Some machines, like the Microflow Touch, are optimized for very small cables (1-5 mm). **Operation and Automation:** Machines vary from fully automated touch-screen operated systems to manual or semi-automatic devices.

Automated models, such as the MicroFlow LOG, provide precise control, electronic documentation, and cable damage monitoring. Handheld or compact machines are ideal for short indoor runs or finishing jobs. **Power and Drive Systems:** Indoor machines may use pneumatic, hydraulic, or electric motors.



Pneumatic systems are common for small cables, while hydraulic motors provide higher pushing force for larger or longer installations. Belt or chain drive systems ensure secure clamping without damaging the cable. Portability and Design: Many indoor machines are lightweight and compact, making them easy to transport and set up in tight spaces.

Some models include portable workstations to stabilize the machine and improve operator ergonomics. Safety and Standards: Reputable machines comply with ISO and IEC standards, ensuring safe operation, consistent performance, and compatibility with modern fiber technologies. Features like cable damage monitoring and controlled air pressure reduce the risk of sheath damage during installation.

Advantages of Using Indoor Fiber Blowing Machines

Faster installation compared to traditional pulling methods
Reduced labor effort and physical strain
Minimized cable tension and damage, improving long-term reliability
Compatibility with various cable types, including microduct, standard fiber, and multi-cable systems
Enhanced project productivity for indoor fiber deployments
Popular Models for Indoor Use
Ultimaz™-E™ Injector: Lightweight, suitable for micro and mini cables 1–8 mm in tubes 3–16 mm
Microflow Touch: Fully automated, touch-screen operation for small cables 1–5 mm
MiniFOK PLUS: Compact, flexible design for micro fiber installation
Fremco Handheld Machines: Ideal for short indoor runs, compatible with cables up to 8 mm
Indoor fiber optic cable blowing machines are essential for efficient, safe, and precise installation of fiber networks within buildings, offering flexibility, automation, and protection for delicate cables.

Article Content

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Fiber Optic Cable Blowing Equipment

Designed to be safe, fast and effective, even on tough terrain, the "Tornado" cable blowing machine will move fiber optic cable of 0.23 to 1.25 in. (5.84-32 mm) diameter at speeds to 300 ft./min. (90 m/min.)

Fiber Optic Cable Blowing Machines | Allame Makina

Engineered to blow fiber, built to last decades. From micro-cables to heavy-duty installations, our machines deliver fast, safe and precise fiber optic deployment

Fiber Blowers & Cable Blowing Machines | Utility Pipe

Utility Pipe Supply provides contractors with fiber blowers and cable installation machines that simplify the placement of delicate fiber optic cables.

Products – Jetting Fiber Blowing Machines

Robust and powerful, pneumatic operated fiber blowing machine designed for single cables and for relining of multiple micro ducts.

Fiber Blowing Machines For Every Job | Fremco A/S

Fiber blowing machine for FTTH fibers and micro cables up to 8 mm - one of the easiest to operate. Fully automatic fiber blowing machine that secures fast and

Cable Jetting Machines

You can easily blow fiber cables into the HDPE pipes. For each cable blowing machine, if your cables are thin there is a machine with low

Top Fiber Optic Cable Blowing Machines 2025

Discover the top fiber optic cable blowing machines driving efficiency, speed, and reduced damage in modern installations. Explore leading models, key features, and expert

Fiber Cable Blowing Machines Manufacturer!

A fiber optic cable blowing machine is a specialized device used to install fiber optic cables into underground pipes. The machine uses air pressure, generated by a

Fiber Blowing Machine: Efficient Optical Fiber Installation

A fiber blowing machine is designed to install fiber optic cables into telecommunication ducts. It uses compressed air or water to propel the cable through the conduit, enabling efficient, long

How To Blow Fiber Optic Cable

Key Considerations Cable Bend Radius: Always maintain the minimum bend radius of the fiber optic cable to avoid damage. Blowing Distance: Air-blown cable systems can typically

Qualifying cable blowing performances

Blowing in is a commonly used method for installing fibre optic cables in Europe. Find out how you can increase the probability of success when blowing in a cable in the field.

CBS Accelair 3

Introducing the CBS Accelair 3 Fiber Blowing Machine —the cutting-edge solution designed to optimize your fiber optic cable installation processes. With advanced

Installation of Optical Fiber Cable by Blowing/Jetting

Standard optical fiber cables (like uni-tube, multi-tube, unarmored & armored), microduct cables, and micro-ducts can be installed by using this method. It is possible to install microduct cable using

Frequently Asked Questions about Fiber Optic Cable Blowing Machines

While cable blowing machines are designed for use with fiber optic cable, some machines can also be used for other types of cable, such as copper or coaxial cable. How does the cost of

CABLE BLOWING MACHINE

Adishwar Tele Networks, a pioneer in the fiber optic cable industry, offers high-quality and reliable cable blowing machines in India at the best prices. Our

Fiber Optic Cable Blowing Machines

Cable jetting machines are now a necessity for getting fiber optic cable in innerduct or HDPE duct in the ground without digging or trenching.

Cable Jetting Machines

Cable blowing machines sector is growing with points to be considered when choosing fiber optic cable blowing machine.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

