

Press Release:

World news item for the FTTH segment

Fremco is now introducing the world's first fully automatic fiber blowing machine with unique double protection system for all EPFU fibers...

NANOFLOW™



A damaged fiber is expensive, annoying and time-consuming. Several damaged fibers are obviously even more expensive, more annoying and more time-consuming. The moral is that lesser damage on fibers will put a smile on your lips, give better top and bottom line figures and result in satisfied end customers.

Completely avoiding damage on fibers is a pipe dream when humans are involved, but with the new Fremco Nanoflow there will be considerably lesser expensive and frustrating damage on EPFU fibers.

Double protection system

The damage elimination is the result of a new unique double fiber protection system. By presetting the built-in torque system to the specific fiber type/load, the Nanoflow will gradually blow the fiber to the maximum limit and then immediately interrupt the blowing process.

If, by mistake, the torque is set higher than the maximum load on the fiber, a built-in unique synchronous system will immediately stop the blowing process. With both systems being constantly active, the user should make genuine persistent efforts to provoke errors.

Handy, portable and flexible

The size and weight of the Nanoflow makes it extremely handy. The nifty little thing measures 200 mm in length, 135 mm in height and 100 mm in width - and weight is as low as 2500 g.

The Nanoflow is powered by a strong 24V 2.0 Ah Li-ion battery (the machine comes with two batteries and a quick-charger).

With this package, battery capacity will be more than enough for a full normal working day. With this battery-operated machine,

you are completely independent of external power sources. And the low weight means easy moving of the machine from job to job. It can be used anytime and anywhere, regardless if you use it for continuous operation or only for a few jobs once in a while.

Greatly increased productivity

The Nanoflow design is based on the needs of the user and on higher efficiency - we wanted to develop a machine with focus on the entire job, and not just the blowing process.

Field tests show significant results where efficiency is increased by +400% when blowing pre-connected fibers.

At the same time, notably fewer blown fibers are scrapped because of damage (often 10-15% of blown fibers are scrapped).

One of the things that increases productivity is that the Nanoflow is very easy to prepare for use. There is NO NEED for tools. With "snap-on" adaptor plates and duct adaptors, you can easily change between different fiber and duct sizes.

The perfect machine for the FTTH segment

Specifications for fiber and duct are ducts sizes of 3-10 mm and fiber sizes of 0.8-

2.8 mm. Because of the safety systems, Nanoflow can be used without air, but for typical end-user blowing distances of 300-500 m, adding compressed air will improve the blowing process. Blowing distances up to 1200 m are achievable. The Nanoflow comes standard with two sets of adaptor plates for 1.1-1.2 mm and 1.4-1.6 mm EPFU

fiber (2f-12f) and with duct adaptors for duct sizes 3-5-7-8-10 mm. Adaptor plates for other fiber sizes can be made on request.

The Nanoflow is delivered in a practical impact proof carrying case with an integrated quick guide in the lid.

Useful accessories

On the list of accessories, there is a tripod with quick adaptor and a shoulder strap to carry the machine around from customer to customer. The fiber blowing can be made while the machine is hanging in the shoulder strap if that is most convenient for the operator.

On the list there is also a reel holder arm for pre-connected fiber. As the Nanoflow is very easy to open and close by hand, pre-connected products can easily be loaded and removed from the machine. Another item on the list of accessories, is a 24V 4.0 Ah Li-ion battery for extra heavy load (large fiber drums).

Unique warranty provides security

Like for all other Fremco blowing machines, we deliver the Nanoflow with 36 months full warranty on all non-wearing parts.

