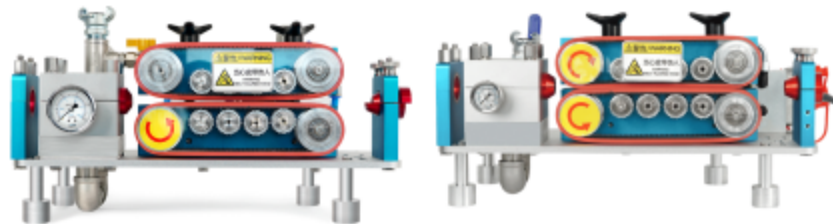




TFN T700CQ/T700CY Cable Blowing Machine

Dual Pneumatic and Hydraulic Solutions to Overcome the Challenges of Laying Optical Cables
in Large Pipes



Product Overview

The TFN T700 series is a professional-grade cable blowing solution designed for large-scale fiber-to-the-home (FTTH) projects, metropolitan area network (MAN) deployments, and complex infrastructure projects. The series includes two models, the T700CQ (pneumatic) and the T700CY (hydraulic). With a powerful thrust of 700N to 1000N, they easily and efficiently install optical cables ranging from 6mm to 22mm in diameter in 10mm to 50mm diameter conduits, eliminating the efficiency bottlenecks and cable damage risks associated with traditional installations.

Core Functions of the Product (solving customer pain points) :

- Ultimate power to conquer harsh environments

Pain point solution : Large-core optical cables, long-distance pipelines, or complex paths lead to insufficient equipment thrust and construction stalls.

Our solution : **T700CQ** provides a thrust of up to **700N**, meeting most heavy-duty laying needs.

The **T700CY** provides an astonishing **1000N** thrust and is equipped with a Honda GX390 engine, designed for the most demanding working conditions.

- Unparalleled efficiency, significantly shortening construction period

Pain point solution : Manual traction or inefficient equipment leads to long project cycles and high manpower and time costs.

Our solution : The cable blowing speed is as high as 120 meters per minute, the one-time blowing distance is long, and the construction efficiency is improved several times, ensuring that the project is delivered on time or even ahead of schedule.

- Excellent adaptability, no fear of venue restrictions

Pain point solution : The climate is harsh, the space in the pipeline manhole is narrow, and the equipment is bulky and difficult to move and operate.



Our solution : The equipment is compactly designed. The T700CQ main unit weighs only 28kg and has excellent environmental adaptability. It is not restricted by external climate and conditions inside the pipeline manhole.

- One machine with multiple functions

Pain point solution : Different projects require different equipment, which increases procurement and maintenance costs.

Our solution : **T700CQ** : Suitable for 96-core and below duct optical cables, and can be air-blown micro-ducts.

T700CY : It has a bidirectional operation mode and can completely replace the optical cable traction machine in special areas, realizing multiple functions of one machine.

- Reliable and durable, intelligent operation

Pain point solution : Frequent equipment failures, complex operations, and high maintenance costs.

Our solutions utilize industrial-grade components, offer stepless speed regulation , and are simple to operate and maintain. They undergo rigorous pre-production commissioning and are backed by permanent technical support to ensure long-term, stable operation.

Technical Parameter Comparison :

project	T700CQ (Pneumatic)	T700CY (Hydraulic)
Machine model	T700CQ	T700CY
Power type	Pneumatic	Hydraulics (Honda GX390 engine)
Adaptable cable diameter	6~16 mm	8~22 mm
Adaptable pipe diameter	10~40 mm	20~50 mm
Maximum thrust	0~700 N	0~1000 N
Cable blowing speed	0~120 m/min	0~110 m/min
Host weight	28 kg	32 kg
Host working pressure	13 bar	13 bar (oil pressure 4~8Mpa)
Core Features	Lightweight, efficient, and highly adaptable to the environment	Extreme power, two-way operation, one machine for multiple uses

**Application Scenarios :**

1. Fiber-to-the-home (FTTH) backbone network
2. Expressway monitoring system, information railway communication
3. Petroleum and petrochemical pipeline communications, national defense communications engineering
4. Water conservancy project communications, smart city pipeline networks
5. Optical cable laying in large buildings and data centers

Why choose TFN T700 series?

1. Powerful power : 700N-1000N thrust, born for large-scale projects.
2. Great efficiency : high-speed cable blowing and long-distance laying in one go shorten the construction period by more than 50%.
3. All-weather operation : strong environmental adaptability to ensure project progress.
4. One machine with multiple functions : T700CY can replace tractors, has comprehensive functions and saves equipment investment.
5. Full escort : TFN provides on-site technical training and permanent technical support to escort your project.

Standard configuration list :

T700CQ standard configuration : main unit, high-pressure air pipe, conveyor belt, oil-gas separator, optical cable guide bushing, etc.

T700CY standard configuration : main engine, hydraulic power unit, oil pressure pipe, high-pressure air belt, full set of tools, etc.

Recommended equipment : 10~15 cubic displacement diesel portable screw air compressor.