

**TFN**

# TFN MULTIFUNCTIONAL CABLE BLOWER

EFFICIENT | POWERFUL | BAOJIAO PACKAGE



**T700CY**

MULTIFUNCTIONAL HYDRAULIC CABLE BLOWER



**T700CQ**

PNEUMATIC CABLE BLOWER

# PERHAPS YOU HAVE COME ACROSS...

YOU STUCK TO THE OLD WAY WHEN IT WOULD HAVE  
BEEN QUICKER AND EASIER



IMPROPER MANUAL  
CABLE, EASY TO CAUSE  
CABLE SKIN CRACKING!

**WORRY!** THE SCHEDULE  
IS AFFECTED AND TIME IS LOST

PLEASE IMPROVE YOUR CONSTRUCTION EFFICIENCY



PULLING A CABLE IS  
LIKE BALLET, IT'S NOT  
EFFECTIVE AT THE END  
OF THE DAY...



# EXPERIENCE TECHNOLOGY BRING CONVENIENT OPERATION

TFN AIR-BLOWN CABLE PUSHER USES AN AIR COMPRESSOR TO SEND POWERFUL AIR FLOW INTO THE PIPELINE THROUGH THE SEALED COMPARTMENT OF THE AIR-BLOWN MACHINE. THIS HIGH-SPEED AIR FLOW FORMS A DRAGGING FORCE ON THE SURFACE OF THE OPTICAL CABLE AND PROMOTES THE OPTICAL CABLE TO MOVE FORWARD. IMPROVE WORKING EFFICIENCY AND PROTECT THE OUTER PROTECTIVE LAYER OF OPTICAL CABLE.



AIR-BLOWN CABLE PUSHER

# APPLICATION FIELD

Application scenario

TFN CABLE PUSHER TECHNOLOGY IS WIDELY USED IN COMMUNICATION INTERNET OPERATION, HIGHWAY, INFORMATION RAILWAY, PETROLEUM AND PETROCHEMICAL PIPELINE, NATIONAL DEFENSE COMMUNICATION, WATER CONSERVANCY ENGINEERING, LARGE BUILDING OFFICE, SHOPPING MALLS, RESIDENTIAL, ETC



1

INFORMATIONIZED RAILWAY



2

PETROCHEMICAL LONG  
DISTANCE PIPELINE



3

CARRIER CABLE LAYING



4

URBAN INTEGRATED OFFICE AREA



5

OPTICAL FIBER ACCESS



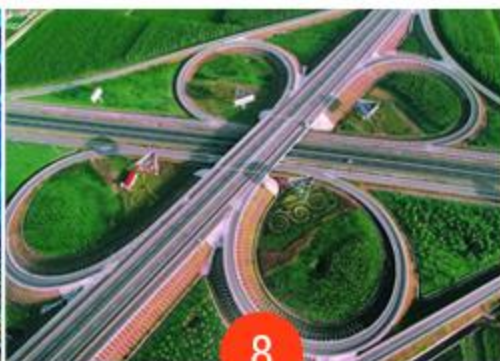
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WATER CONSERVANCY SYSTEM



7

GLOBAL 5G COMMUNICATION  
ONSTRUCTION



8

HIGH SPEED MONITORING SYSTEM



9

FUTURE TECHNOLOGICAL  
DEVELOPMENT

# EXCELLENT ENVIRONMENTAL ADAPTABILITY

Application scenario

AP SCE EQUIPMENT IS LIGHTWEIGHT, EASY TO OPERATE, LESS INTERFERENCE FROM THE OUTSIDE CLIMATE AND PIPE CONDITIONS IN THE WELL, FAST GAS BLOWING SPEED, LONG ONE-TIME GAS BLOWING DISTANCE, GREATLY SHORTEN THE CONSTRUCTION PERIOD



CAN LAY 8~22MM DIAMETER OPTICAL CABLE, CABLE, SYNCHRONOUS AIR BLOWING 10/8MM COMMUNICATION MICROTUBULE 1~3, DISPOSABLE AIR BLOWING WEIGHT 500KG/ KM OPTICAL CABLE OR CABLE 1000 METERS, THE USE OF A VARIETY OF OUTSIDE DIAMETER PIPE (32~50MM)

THE EQUIPMENT IS LIGHT, EASY TO OPERATE, LONG SERVICE LIFE AND EASY TO MAINTAIN; STEPLESS SPEED REGULATION, CAN CONTROL 0~110 METERS PUSH SPEED

THE USE OF AIR BLOWING LAYING OPTICAL CABLE, THE CONSTRUCTION EFFICIENCY IS HIGH, THE OPTICAL CABLE IS MORE SAFE, GREATLY REDUCE THE OPTICAL CABLE IN THE CONSTRUCTION CAUSED BY DECAY

AIR BLOWING CABLE INTO THE PIPELINE, RELATIVE TO TRACTION CABLE INTO THE PIPELINE, TO RELAX, CAN MAKE THE CABLE FROM SHORT - AND LONG-TERM TENSION, EFFECTIVELY EXTEND THE SERVICE LIFE OF THE CABLE

# HARDWARE INTRODUCTION

SPEED REGULATING VALVE

DRIVE MASTER SWITCH

OIL CONTROL VALVE

DRIVE MOTOR CONTROL VALVE SWITCH

DRIVE LUBRICATING OIL TANK

DRIVE LUBRICATING OIL FILLING HOLE

DRIVING MOTOR

AIR COMPRESSOR INTERFACE

CONVEYER BELT

CABLE GUIDE GROOVE

LOCKING BRACKET

AIR BIN

TRANSFER GEAR



# PARAMETER INTRODUCTION

## PNEUMATIC CABLE BLOWER

MACHINE MODEL (IMPORTED MOVEMENT)	T700CQ	PUSH SPEED (LENGTH PER MINUTE)	0 ~ 120m/min
SUITABLE OPTICAL CABLE DIAMETER (OUTSIDE DIAMETER)	6 ~ 14mm	MAIN ENGINE RATED PRESSURE	13bar
ADAPTIVE PIPE DIAMETER (OUTSIDE DIAMETER)	10 ~ 40mm	MAIN ENGINE WEIGHT	28kg
AIR BLOWN MI CROTUBULE 10/8	1 TO 3 PIECES	HOST VOLUME (LENGTH, WIDTH AND HEIGHT)	550*300*330mm
THRUST N	0 ~ 700N	PACKAGE WEIGHT OF MAIN ENGINE	42kg
HOST PACKAGE VOLUME (LENGTH, WIDTH AND HEIGHT)	700*400*450mm		

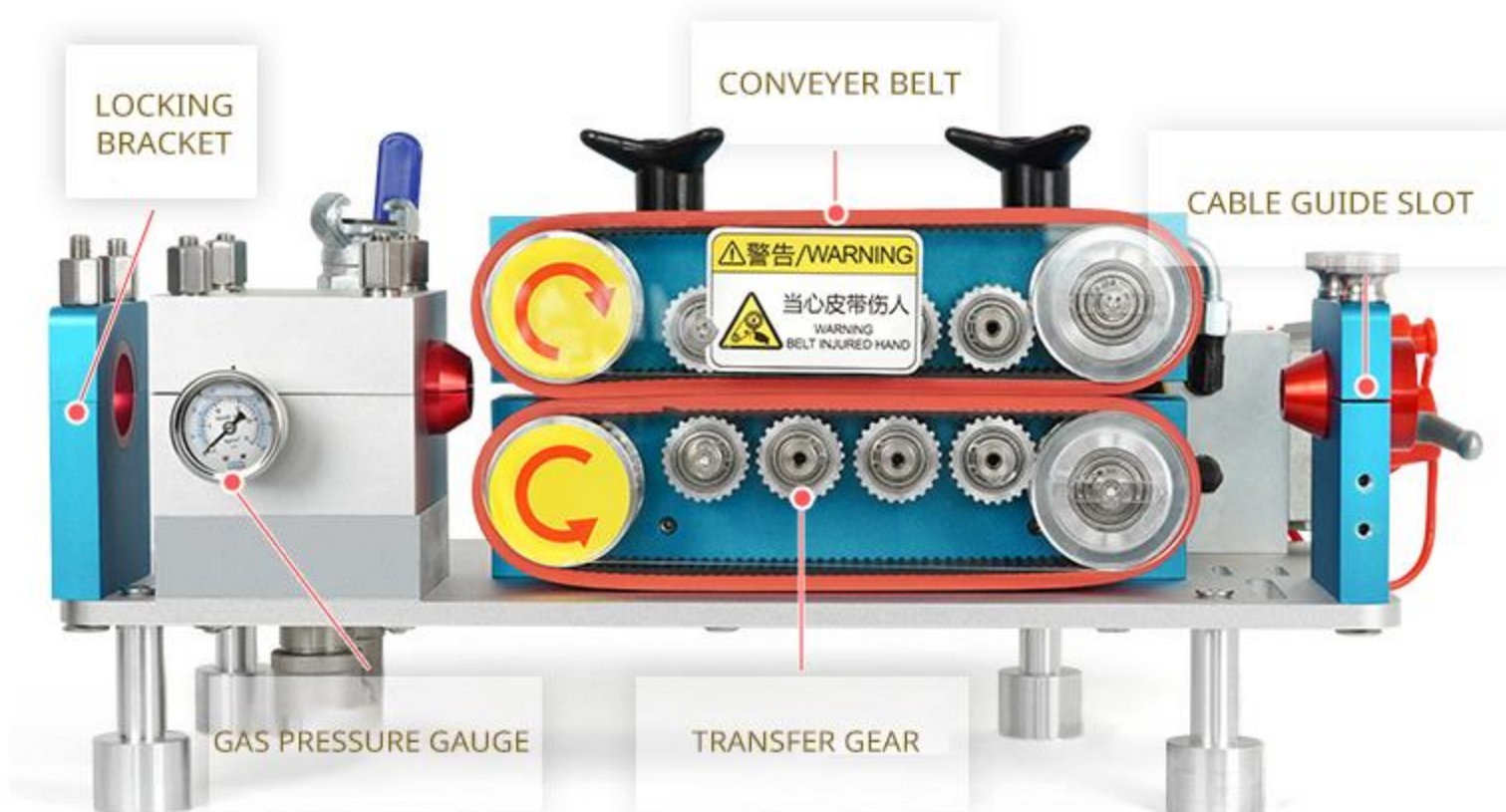
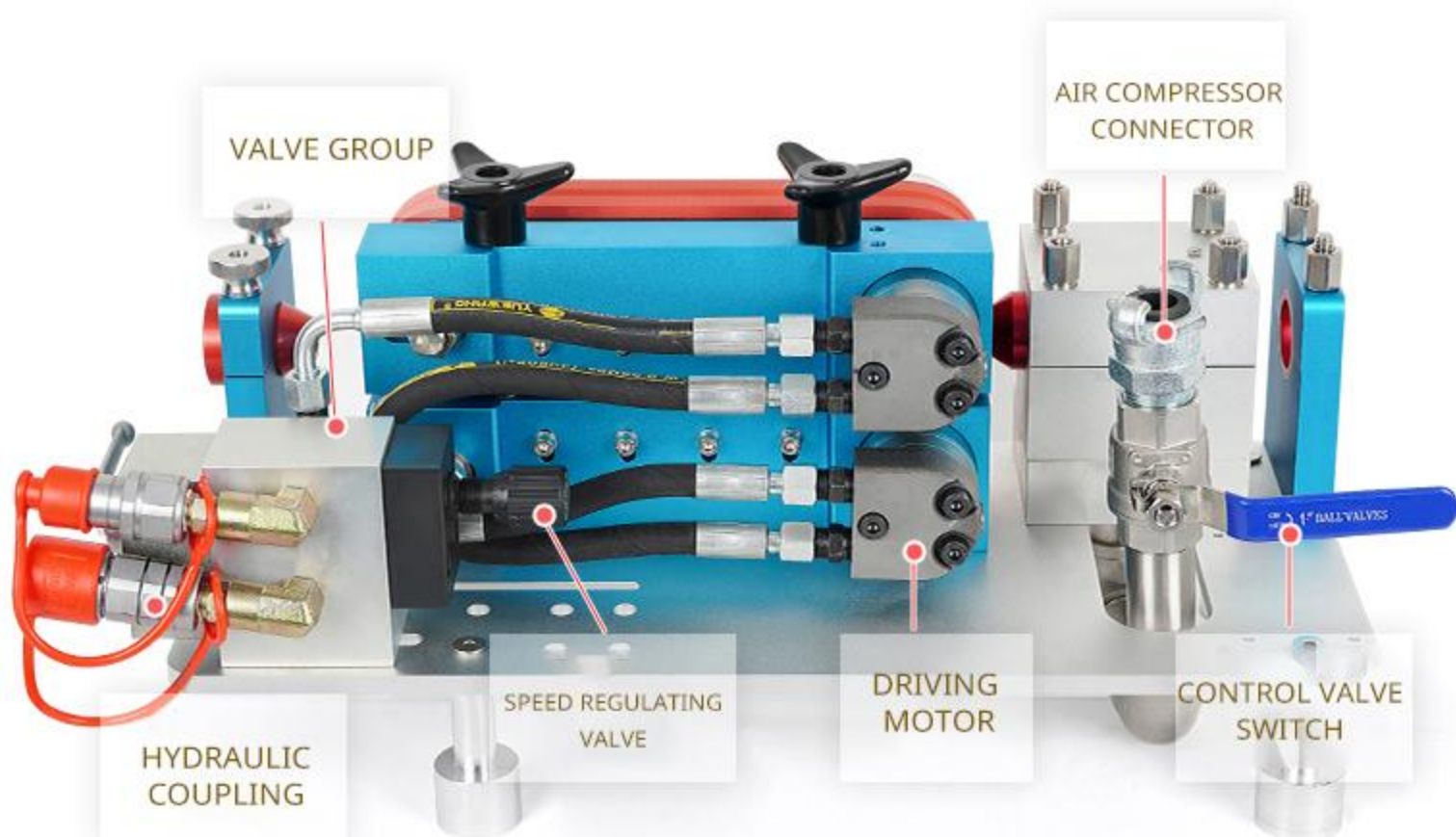
T70CY

# HYDRAULIC CABLE BLOWER





# HARDWARE INTRODUCTION



# PARAMETER INTRODUCTION

## PARAMETER INTRODUCTION

MACHINE MODEL (IMPORTED MOVEMENT)	T700CY	PUMP STATION ENGINE MODEL (HONDA)	GX390
SUITABLE OPTICAL CABLE DIAMETER (OUTSIDE DIAMETER)	8 ~ 22mm	PUMPING STATION POWER	11kw
ADAPTIVE PIPE DIAMETER (OUTSIDE DIAMETER)	20 ~ 50mm	HOST VOLUME (LENGTH, WIDTH AND HEIGHT)	600*320*300mm
AIR BLOWN MICROTUBULE 10/8	1 TO 3 PIECES	HOST PACKAGE VOLUME (LENGTH, WIDTH AND HEIGHT)	700*400*450mm
THRUST N	0 ~ 1000N	MACHINE PACK WEIGHT	55kg
PUSH SPEED (LENGTH PER MINUTE)	0 ~ 110m/min	PUMP STATION VOLUME (LENGTH, WIDTH AND HEIGHT)	800*600*700mm
MAIN ENGINE RATED PRESSURE	13bar	PUMPING STATION WEIGHT	75kg
MAIN ENGINE WEIGHT	32kg	PUMP STATION PACKAGE VOLUME (LENGTH, WIDTH AND HEIGHT)	1000*800*900mm
MAIN ENGINE MOVEMENT PRESSURE (OIL PRESSURE)	4 ~ 8Mpa	PUMP STATION PACKAGE WEIGHT	90kg

# PRODUCT ADVANTAGE

## AIR-BLOWN CABLE BLOWER



T700CQ

SUITABLE FOR 96-CORE AND BELOW PIPELINE CABLE AND 6MM AND ABOVE DIAMETER MICRO CABLE, AIR BLOWING 10MM MICROTUBULE

LIGHT AND LIGHT EQUIPMENT, DRIVEN BY AIR COMPRESSION, WITHOUT HYDRAULIC POWER STATION

PUSH FAST, HIGH EFFICIENCY

UNIDIRECTIONAL OPERATION

## MULTIFUNCTIONAL HYDRAULIC CABLE BLOWER



T700CY

EQUIPPED WITH IMPORTED DRIVE, LOW FAILURE RATE, LONG LIFE, LARGE THRUST, LONG LAYING DISTANCE

HEAVY ARMORED OPTICAL CABLE CAN BE LAID, AND CABLE AIR BLOWING 8~12MM MICROTUBULE

STEPLESS SPEED REGULATION, EASY OPERATION, EASY MAINTENANCE

BIDIRECTIONAL OPERATION, SPECIAL SECTION CAN BE USED INSTEAD OF CABLE TRACTOR

# OPERATING INSTRUCTION

## 1/ UNPACKING INSPECTION

THE EQUIPMENT IS PACKED IN ALUMINUM ALLOY AVIATION CASE. OPEN THE PACKAGE AND TAKE OUT THE MACHINE. THE MACHINE HAS BEEN DEBUGGED AND TESTED BEFORE LEAVING THE FACTORY, AND ALL PARAMETERS HAVE BEEN MATCHED. THEREFORE, USERS ARE FORBIDDEN TO DISASSEMBLE AT WILL TO AVOID DAMAGE TO THE MACHINE.

## 2/ EXHAUST PORT CONNECTION

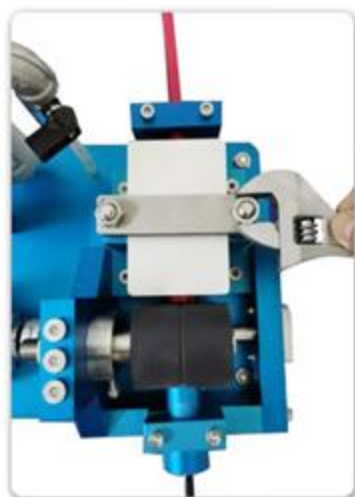
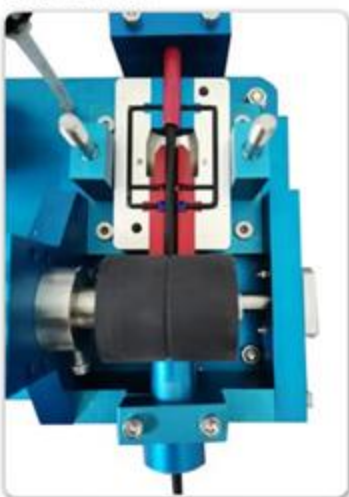
THE HIGH PRESSURE GAS PIPE IS CONNECTED WITH THE AIR COMPRESSOR EXHAUST PORT, AND THE BUCKLE IS LOCKED TO PREVENT FALLING OFF

## 3/ PRESSURE TEST IN PIPELINE

PIPE DIAMETER THROUGH THE BALL PRESSURE TEST, THE DIAMETER BALL INTO THE PIPELINE, AND THEN ADD THE APPROPRIATE SIZE OF THE SPONGE, SUITABLE FOR OPTICAL CABLE WILL BE MEASURING BALL AND SPONGE INTO THE PIPELINE. ADD LUBRICANT (50ML/KM).

## 4/ INSTALLATION CHANNEL

THE PIPE IS PLACED INTO THE PIPE SEALING GROOVE THROUGH THE FIXER, AND THE FIXER IS LOCKED. THE CABLE THROUGH THE GUIDE TROUGH, DRIVE WHEEL, CABLE PLUG INTO THE PIPELINE. INSTALL THE AIR COLLECTING GROOVE COVER, BOTH ENDS OF THE FIXING SCREWS MUST BE EVENLY PRESSED, UNTIL THERE IS NO GAP IN THE AIR COLLECTING GROOVE. BALANCE PRESS THE UPPER AUXILIARY WHEEL AND LOCK THE SCREWS.



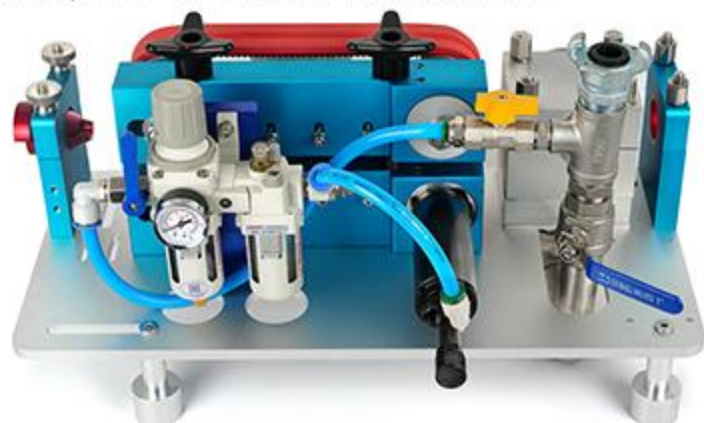
## 5/ CHECK AIR LUBRICATING OIL

PNEUMATIC OIL CUP TO CHECK OFTEN, PROHIBIT OIL CUP LACK OF OIL. THE DRIP-RATE OF OIL IN THE BLOWING CABLE SHOULD BE OBSERVED. GENERALLY, IT IS ONE DROP EVERY 3-5 SECONDS. THE TOP OF THE OIL CUP IS AN ADJUSTING SWITCH TO CONTROL THE DRIP-RATE OF OIL.



## 6/ START THE MACHINE

WHEN THE AIR COMPRESSOR IS RUNNING, THE AIR FLOW HAS ENTERED THE PIPELINE AND PUSHED INTO THE MEASURING BALL AND SPONGE. WHEN THE SPONGE AND MEASURING BALL COME OUT FROM THE OTHER END OF THE PIPELINE, IT INDICATES THAT THE PIPELINE IS UNOBTAINABLE AND CAN BE BLOWN. BEFORE STARTING THE AIR COMPRESSOR, CHECK THE OIL, COOLANT AND FUEL OIL OF THE AIR COMPRESSOR TO ENSURE NORMAL. ENSURE THAT THE EXHAUST VALVE IS OPEN. DO NOT BOOST THE PRESSURE IMMEDIATELY AFTER STARTING. AFTER 2-5 MINUTES OF OPERATION, THE PRESSURE SHOULD BE CONTROLLED BELOW 10BAR. SLOWLY OPEN THE MOTOR CONTROL SWITCH, AND THE LEASER SHOULD SPEED UP OR SLOW DOWN THE PULLING LINE WITH THE SPEED OF THE BLOWING LINE. OPTICAL CABLE BLOWING OUT FROM THE PIPELINE, AFTER REACHING THE DESTINATION, THE "8" WORD PLACEMENT



# TECHNICAL SUPPORT

TFN PROVIDES ON-SITE TECHNICAL TRAINING, PERMANENT TECHNICAL SUPPORT AND CABLE BLOWING SOLUTIONS

1. CONSULT AND  
MAKE AN ORDER



2. CUSTOMER  
SERVICE RETURN  
VISIT INFORMA-  
TION



3. ENGINEERS  
COME TO THE  
DOOR



4. TRAINING AND  
TECHNICAL GUID-  
ANCE



5. THE SERVICE IS  
COMPLETE



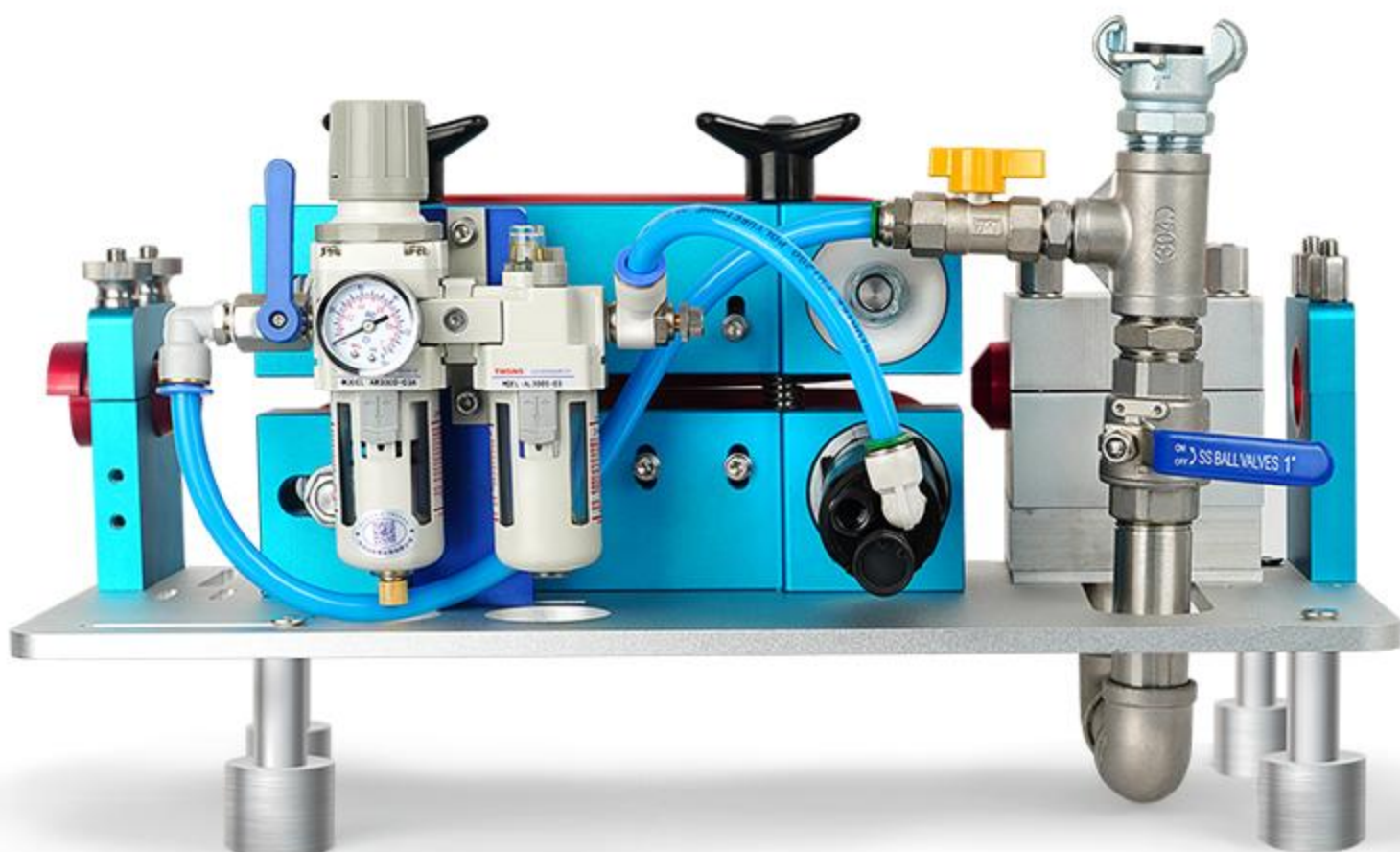
6. CUSTOMER  
SERVICE RETURN  
VISIT



# CUSTOMER REAL SHOOTING

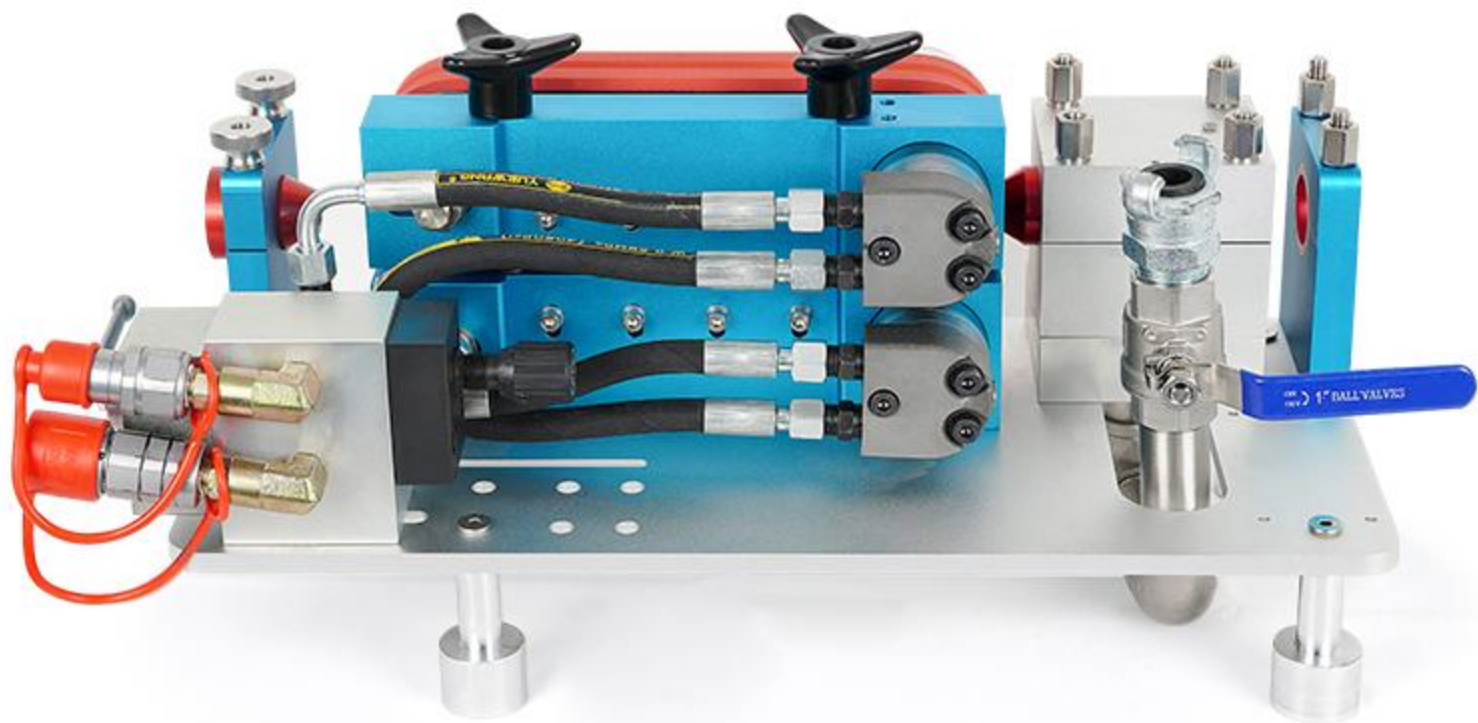


# PRODUCT DISPLAY



## PNEUMATIC CABLE BLOWER T700CQ

HOST	1 PC	CONNECT THE AIR COMPRESSOR LIVE CONNECTOR	3PIECES
CABLE PLUG	3 PIECE	SILICON TUBE SCISSORS	2 HANDFULS
OIL-GAS SEPARATOR	1 PIECE	SEALING RING	8 PIECES
CONVEYOR BELT	2 SETS	HIGH PRESSURE GAS ZONE	1 METER





# MULTIFUNCTIONAL HYDRAULIC CABLE BLOWER T700CY

HOST	1 PC	HYDRAULIC POWER SOURCE	1 PC
OIL PRESSURE PIPE	20 METERS	HIGH PRESSURE GAS ZONE	10 M
OIL-GAS SEPARATOR	1 PIECE	CABLE PLUG	3PIECES
CONVEYOR BELT	2 SETS	SILICON TUBE SCISSORS	2 HANDFULS
CONNECT THE AIR COMPRESSOR LIVE CONNECTOR	3 PIECE	SEALING RING	8 PIECES



HYDRAULIC PUMP  
(T700CY STANDARD)



AIR COMPRESSOR (OPTIONAL)  
DIESEL MOBILE SCREW AIR COMPRESSOR  
10~15 CUBIC DISPLACEMENT  
10~15 KG PRESSURE