

# FCST-FBM01 Fiber Blowing Machine



## Product Overview

FCST-FBM01 micro cable blowing machine is dedicated for last miles of FTTH network. Depending on the quality of the laid micro duct route and cable stiffness, FCST-FBM01 can be used to blow cable sections up to 700m. The machine is very easy to use. FCST-FBM01 is powered by a cordless screwdriver. By using the overload clutch of the screwdriver, the desired power of the roller drive, can be set very precisely.

Also available: FCST-FBM01 with openable (split) blowing head.

FCST-FBM01 accessories set includes seals and bushings for every diameter of micro cable in machine's range (1.0,2.0,3.0, 4.0,5.0,6.0,7.0,8.0 mm), as well as micro ducts connectors (5.0,7.0,10,12,14,16 mm)

## Product Specifications





Construction	Description
Technical Data	FCST-FBM01
Micro Cable Diameter (available seals)	0,5 – 8.0 mm
Micro Ducts Diameter (available seals)	5 – 16 mm
Blowing Range / Max	700 m
Blowing Speed / Max	60 m/min
Operating Pressure / Max	15 bar
Machines Dimensions /L x W x H/	260 x 100 x 140mm /weight approx. 2kg
Dimensions Of The Transport Box	465 x 400 x 155mm /weight. 8kg
Available Accessories Inside The Set	Lubricant PRELUBE 5000 (240 ml) Micro duct cutter Set of bushings and micro duct connectors Set of gaskets Set of Allen keys Hex key

Spare wheels with removable rubber bands  
Air hose




### Required Efficiency Of The Compressors

micro ducts up till 8mm-0,8m<sup>3</sup>/min  
micro ducts between 8-12mm-1,0m<sup>3</sup>/min  
micro ducts between 12-15mm - 1,5m<sup>3</sup>/min

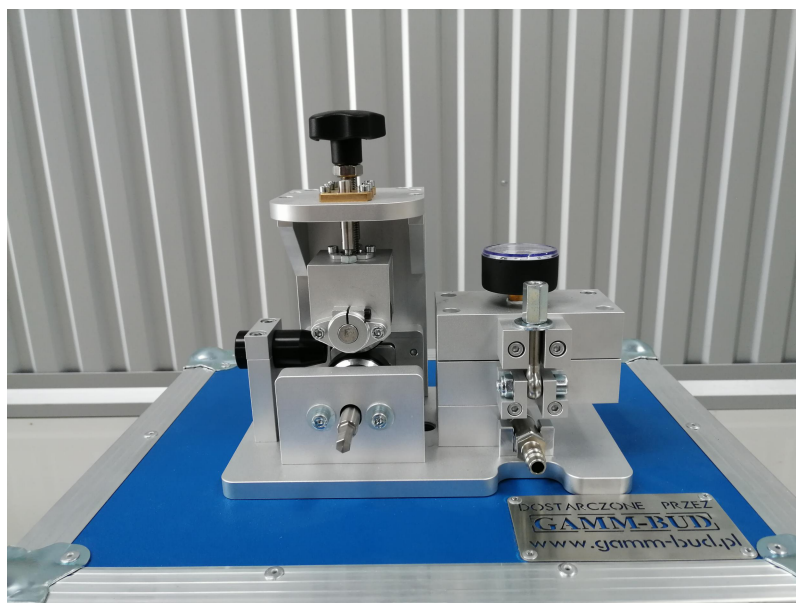
## Available Models:FCST-FBM01

FCST-FBM01		
<p>FCST-FBM01 Plus</p> <p>An openable (split) blowing head allows you to remove the cable from the machine without cutting the cable. This is a useful function if you want to withdraw the cable from the micro duct or you want to blow the cable in another direction.</p>		

## Our Recommendations

	Tripod- handy tool to stabilize the unit and work conveniently.
	Prelube liquids – reduce friction and extend the blowing distance
	Bullets for micro duct calibration (5, 7, 8mm)

# FCST-FBM02 Fiber Blowing Machine



## Product Overview

FCST-FBM02 cable blowing machine is dedicated for last miles of FTTH network. Very effective, versatile and easy to use. The blowing machine is equipped with sleeves (bushings) allowing blowing micro cables from 0.8 mm up. This manual unit is motorless, so it requires external power source, e.g. a cordless drill/driver. The roller drive (feeder) is equipped with removable rubber bands, which can be easily exchanged once they wear off. Also available: FCST-FBM02 Counter + with a length counter meter (mechanical or electronic).

FCST-FBM02 accessories set includes seals and bushings for every diameter of micro cable in machine's range (1.5,2.5,3.5, 4.0,5.0,6.0,7.0,8.0,8.5,9.0,9.5 mm), as well as seals and bushings for micro ducts (5.0,7.0,10,12,14,16 mm)

## Product Specifications

Construction	Description
Technical Data	FCST-FBM02
Micro Cable Diameter (available seals)	0.8 – 10 mm
Micro Ducts Diameter (available seals)	5.0 – 16 mm
Blowing Range / Max	1000 m
Blowing Speed / Max	110 m/min
Operating Pressure / Max	15 bar
Machines Dimensions /L x W x H/	260 x 150 x 230mm /weight approx. 4kg
Dimensions Of The Transport Box	450 x 350 x 280mm /weight approx.10kg



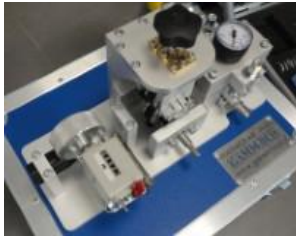
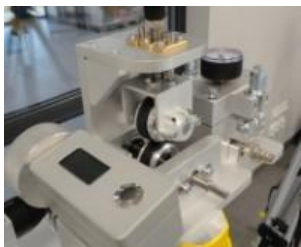
### Available Accessories Inside The Set

Lubricant PRELUBE 5000 (240 ml)  
 Micro duct cutter  
 Set of bushings  
 Set of gaskets  
 Set of Allen keys  
 Socket wrench  
 Spare rubber bands for the roller drive  
 Air hose




### Required Efficiency Of The Compressors

micro ducts up till 8mm -0,8m<sup>3</sup>/min  
 micro ducts 8-12mm -1,0m<sup>3</sup>/min  
 micro ducts 12-16mm - 1,5m<sup>3</sup>/min

## Available Models:FCST-FBM02

<p><b>FCST-FBM02 accessories set</b></p> <p>Seals and bushings, air hose10m for compressor connection, hex keys, socket wrench</p>		
<p><b>FCST-FBM02 (MINI COUNTER +)</b>  <b>with mechanical counter</b>          displays blown cable length</p>	 <p>FCST-FBM02 C+ with a mechanical counter</p>	

## Our Recommendations

	<p>Tripod- handy tool to stabilize the unit and work conveniently.</p>
	<p>Prelube liquids – reduce friction and extend the blowing distance</p>
	<p>Bullets for micro duct calibration (5, 7, 8mm)</p>

# FCST-FBM03 Fiber Blowing Machine



## Product Overview

FCST-FBM03 is a professional blowing machine designed for blowing micro cables. A solid and simple construction ensures easy operation and a longevity of the unit. Machine is equipped with a high quality belt feeder and pneumatic motors. Basic version has a mechanical counter meter pre-installed. Upon request we provide electronic counter with a speed measurement function.

Also available: a direction switch to retract the cable or change the blowing direction in FCST-FBM03 EXTENDED set-up.

FCST-FBM03 accessories set includes seals and bushings for every diameter of micro cable in machine's range (4.0,5.0,6.0,7.0,8.0,8.5,9.0,9.5 mm), as well as seals and bushings for micro ducts (5.0,7.0,10,12,14,16 mm)

## Product Specifications

Construction	Description
Technical Data	FCST-FBM03
Micro Cable Diameter (available seals)	4,0 – 10,0 mm /options available: 2,5 and 12 mm
Micro Ducts Diameter (available seals)	5 – 16 mm /option available: 20 mm
Blowing Range / Max	2500 m
Blowing Speed / Max	110 m/min
Operating Pressure / Max	15 bar
Machines Dimensions /L x W x H/	580 x 300 x 320mm / weight approx 20kg
Dimensions Of The Transport Box	640 x 390 x 410mm / weight approx 33kg



#### Available Accessories Inside The Set

Lubricant PRELUBE 5000 (240 ml)

Pneumatic oil sample

Micro duct cutter

Set of bushings

Set of gaskets

Set of Allen keys

Socket wrench

Air hose

#### Required Efficiency Of The Compressors





micro ducts up till 8mm -0,8m<sup>3</sup>/min

micro ducts 8-12mm -1,0m<sup>3</sup>/min




micro ducts 12-16mm - 1,5m<sup>3</sup>/min

micro ducts 15-20mm - 3,5m<sup>3</sup>/min

### Available Models:FCST-FBM03

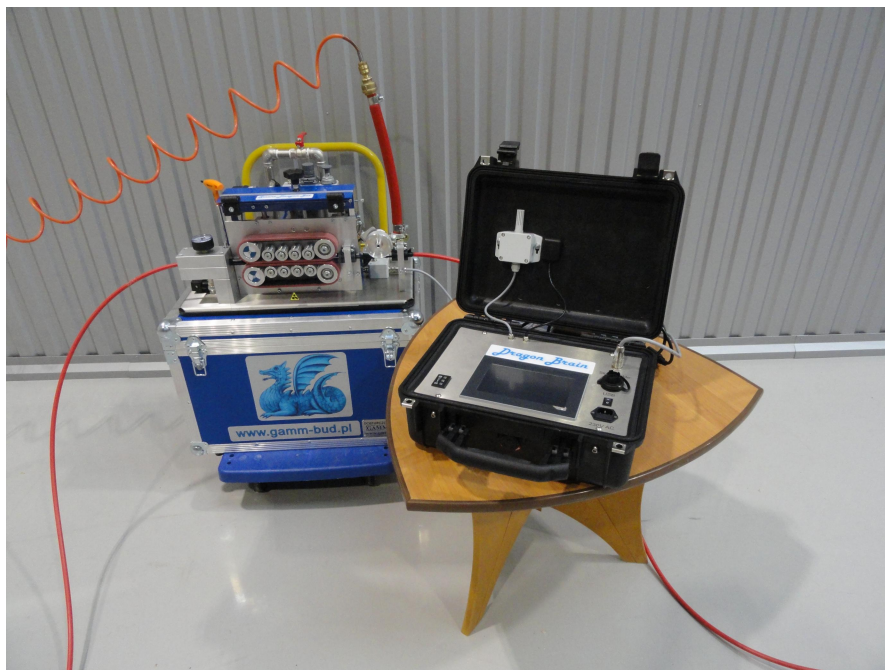
<p><b>FCST-FBM03</b> Free of charge accessories and handy tools. Robust mechanical cable length counter.</p>		
<p><b>FCST-FBM03 Extended</b> including a <b>directional switch</b> and an <b>extended blowing head!</b></p> <p>The direction switch allows you to change the blowing direction and withdraw the cable from the micro duct.</p> <p><u>Standard Extended blowing range:</u></p> <p>2.5-12 mm micro cable</p> <p>5-20 mm micro duct</p>	 <p>FCST-FBM03 with a direction switch and a mechanical counter meter</p>	 <p>FCST-FBM03 with a direction switch</p>

# Our Recommendations

	<p><b>Cable twister/ coiling/cable storing device</b></p> <p>Carousel is a useful device to store the excess of a cable while blowing-in cables in two directions, protects the cable from damaging, helps laying long sections of cable, foldable <b>capacity up till 2000m of cable d=5-8mm</b></p>
	<p><b>Prelube liquids</b> – reduce friction and extend the blowing distance</p> <p><b>Pneumatic oil for the engines</b> –a necessity in the operation of the blowing machine, consumable material</p>
	<p><b>Bullets for micro duct calibration (5, 7, 8 mm)</b></p>



# FCST-FBM04 Fiber Blowing Machine



## Product Overview

FCST-FBM04 is a set including: FCST Standard cable blowing machine equipped with sensors for measuring the blowing parameters and “Brain”-a digital recorder. Both devices allow you to register and save important parameters of the blowing process. Recorded parameters are saved in recorder's memory and onto a USB flash drive in PDF format. Final report is available as a protocol or a diagram.

With the device you can note down the following: location of the construction site, pressure in the micro duct, pushing force, speed of blowing, length of the blown cable, ambient parameters: temperature and air humidity.

The set is perfect for the German market and installation teams working in Germany.

The device meets the guidelines of Deutsche Telekom.

There is a possibility of ordering the recording unit operating in different languages.

FCST-FBM04 Standard accessories set includes seals and bushings for every diameter of micro cable in machine's range (3.5,4.0,5.0,6.0,7.0,8.0,8.5,9.0,9.5 mm-optional 2.5 and 12 mm), as well as seals and bushings for micro ducts (5.0,7.0,10,12,14,16 mm, optional 20 mm)





## Product Specifications

Construction	Description
<b>Technical Data</b>	FCST-FBM04
<b>Micro Cable Diameter (available seals)</b>	4,0 – 10 mm /options available: 2,5 and 12 mm
<b>Micro Ducts Diameter (available seals)</b>	5 – 16 mm /option available: 20 mm
<b>Blowing Range / Max</b>	2500 m




<b>Blowing Speed / Max</b>	110 m/min
<b>Operating Pressure / Max</b>	15 bar
<b>Machines Dimensions / L x W x H/</b>	580 x 300 x 320mm /weight approx. 20kg
<b>Dimensions Of The Transport Box</b>	640 x 390 x 410mm /weight approx. 33kg
<b>Available Accessories Inside The Set</b>	Lubricant PRELUBE 5000 (240 ml) Micro duct cutter Set of bushings Set of gaskets Set of Allen keys Socket wrench Spare rubber bands for the roller drive Air hose
<b>Required Efficiency Of The Compressors</b>	microducts up till 8mm - 0,8m3/min microducts between 8-12mm - 1,0m3/min microducts between 12-15mm - 1,5m3/min microducts between 15-20mm - 3,5m3/min

Language version: menu of the digital recorder available in German, upon special order in English.

## Available Models:FCST-FBM04

<p><b>FCST-FBM04</b></p> <p>Free of charge accessories and handy tools. Robust mechanical cable length counter.</p>		
<p><b>FCST-FBM04 with direction switch</b></p> <p>The direction switch allows you to change the blowing direction and withdraw the cable from the micro duct.</p>		

## Our Recommendations

	<p><b>Cable twister/ coiling/cable storing device</b></p> <p>Carousel is a useful device to store the excess of a cable while blowing-in cables in two directions, protects the cable from damaging, helps laying long sections of cable, foldable capacity up till 2000m of cable d=5-8mm</p>
	<p><b>Prelube liquids</b> – reduce friction and extend the blowing distance</p>
	<p><b>Pneumatic oil for the engines</b> –a necessity in the operation of the blowing machine, consumable material</p>

# FCST-FBM05 Fiber Blowing Machine



## Product Overview

One of the most powerful FCST-FBM05 cable blowing machine, equipped with hydraulic motors. Recommended for installations requiring larger pushing forces. Hydro Jet has a solid, aluminium construction, equipped with high quality belt feeder and powerful hydraulic motors. We supply the unit including hydraulic unit (aggregate) with connection hoses.

FCST-FBM05 accessories set includes seals and bushings for every diameter of cable within machine's range (6.0,7.0,8.0,8.5,9.0, 9.5,11,12,13,14, 15 mm), as well as seals and bushings for HDPE ducts (32,40,50 mm)



## Product Specifications

Construction	Description
Technical Data	FCST-FBM05
Cable Diameter	6.0 – 15 mm (optional diameter: up till 20 mm)
Tube Diameter	32 mm, 40 mm, 50 mm
Blowing Distance /Max	2500 m
Blowing Speed / Max	80 m/min
Operating Pressure / Max	10 bar
Machines Dimensions /L x W x H/	620 x 300 x 380mm /weight approx.. 35 kg
Dimensions Of The Transport Box	690 x 430 x 440mm /weight approx 48 kg
Available Accessories Inside The Set	Calibrating plates Set of handles for HDPE ducts Set of seals for HDPE ducts




Set of cable seals  
Set of Allen keys  
Socket wrench  
Air hose  
Power unit (aggregate)

<b>Required Compressor' s Efficiency</b>	ducts: 32-40- 50mm    8 – 10 m3/min
<b>Power Unit (aggregate)</b>	dimensions: 700 x 420 x 490 mm weight: 56 kg max hydraulic pressure: 160bar

## Available options for FCST-FBM05

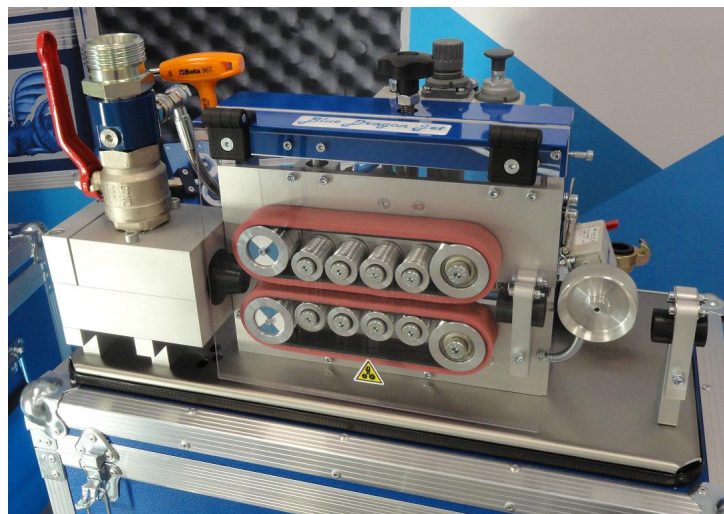
<p>FCST-FBM05</p> <p>Free of charge accessories and handy tools. Robust mechanical cable length counter meter.</p> <p>Always delivered with the blowing unit:</p> <p>hydraulic power unit (aggregate) with connection hoses</p>		
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## Our Recommendations

	<p><b>Cable twister/ coiling/cable storing device</b></p> <p>Carousel is a useful device to store the excess of a cable while blowing-in cables in two directions, protects the cable from damaging, helps laying long sections of cable, foldable</p> <p><b>capacity up till 2000m of cable d=5-8mm</b></p>
	<p><b>Prelube liquids</b> – reduce friction and extend the blowing length</p>
	<p><b>Y connector</b> -Useful tool for blowing in an additional cable or a micro tube into already occupied duct. With our Y connector you can lay of two cables in one tube. Set is delivered with the handles and seals for Ø 32 mm, Ø40 mm, Ø50 mm tubes.</p>



# FCST-FBM06 Fiber Blowing Machine



## Product Overview

FCST-FBM06 is a professional cable blowing machine designed for blowing cables within 6-15mm range. Available accessories for ducts diameters: 32, 40 and 50mm. Solid and simple construction ensures easy operation and a longevity of the unit. Machine is equipped with a high quality belt feeder and pneumatic motors. Basic version has a mechanical counter meter preinstalled.

Also available: a direction switch to retract the cable or change the blowing direction.

Additionally, together with FCST-FBM06, we can provide another blowing head suitable for blowing cables with a diameter of 4 mm-10mm (or optionally 2.5-12 mm) /into micro ducts of diameter between 5mm to 16mm/ (or optionally 5-20 mm).

FCST-FBM06 accessories set includes seals and bushings for every diameter of cable within machine's range (6.0,7.0,8.0,8.5,9.0, 9.5,11,12,13,14, 15 mm), as well as seals and bushings for HDPE ducts (32, 40, 50 mm)

## Product Specifications

Construction	Description
<b>Technical Data</b>	FCST-FBM06
<b>Cable Diameter</b>	6,0 – 15,0 mm
<b>Tube Diameter</b>	32 mm, 40mm, 50mm
<b>Blowing Distance /Max</b>	2500 m
<b>Blowing Speed / Max</b>	110 m/min
<b>Operating Pressure / Max</b>	10 bar
<b>Machines Dimensions /L x W x H/</b>	620 x 300 x 380mm /weight approx. 30kg
<b>Dimensions Of The Transport Box</b>	690 x 430 x 440mm /weight approx. 43kg




### Available Accessories Inside The Set

Calibrating plates  
 Set of handles for HDPE ducts  
 Set of seals for HDPE ducts  
 Set of cable seals  
 Set of Allen keys  
 Socket wrench  
 Air hose  
 Pneumatic oil sample





### Required Compressor's Efficiency

micro ducts up till 8mm -0,8m3/min  
 micro ducts 8-12mm -1,0m3/min  
 micro ducts 12-16mm -1,5m3/min  
 micro ducts 15-20mm -3,5m3/min  
 ducts 32-40-50 mm – 8 – 10 m3/min

## Available Models:FCST-FBM06

<p><b>FCST-FBM06</b></p> <p>Free of charge accessories and handy tools. Robust mechanical cable length counter meter.</p>		
<p><b>FCST-FBM06</b> <b>including directional switch</b></p> <p>The direction switch allows you to change the blowing direction and withdraw the cable from the duct.</p>	 <p>FCST-FBM06 with a direction switch and a mechanical counter meter</p>	 <p>FCST-FBM06 with a direction switch and an electronic counter meter</p>
<p><b>FCST-FBM06</b> <b>with supplementary blowing head</b> <b>suitable for:</b></p> <p>Ø cable: 4,0 – 10,0 mm/optional 2,5mm and 12 mm</p> <p>Ø ducts: 5 – 16 mm/optional: 20 mm</p>		

## Our Recommendations

	<p>Cable twister/ coiling/cable storing device</p> <p>Carousel is a useful device to store the excess of a cable while blowing-in cables in two directions, protects the cable from damaging, helps laying long sections of cable, foldable</p> <p>capacity up till 2000m of cable d=5-8mm</p>
	<p>Y connector-Useful tool for blowing in an additional cable or a micro tube into already occupied duct. With our Y connector you can lay of two cables in one tube. Set is delivered with the handles and seals for Ø 32 mm, Ø40 mm, Ø50 mm tubes.</p>
	<p>Prelube liquids – reduce friction and extend the blowing distance</p> <p>Pneumatic oil for the engines – a necessity in the operation of the blowing machine, consumable material</p>
	<p>Rotary cutter – perfect for precise cutting the micro ducts, cables and HDPE ducts</p>

# FCST-FBM07 Fiber Blowing Machine



## Product Overview

The most powerful unit in FCST product family of cable blowing machines, designed for blowing classic and copper cables. The machine is equipped with hydraulic motors. Recommended for installations requiring larger pushing forces. Hydro Chain has a solid, aluminium construction, equipped with high quality chain feeder and powerful hydraulic motors. We supply Hydro Chain together with hydraulic unit (aggregate) and the connection hoses. FCST-FBM07 accessories set includes seals and bushings for every diameter of cable within machine's range (6.0-20 mm), as well as seals and bushings for HDPE ducts (32,40,50 mm)

## Product Specifications

Construction	Description
Technical Data	FCST-FBM07
Cable Diameter	6,0 – 20 mm
Tube Diameter	32mm, 40mm, 50mm
Blowing Distance /Max	2500 m
Blowing Speed / Max	80 m/min
Operating Pressure / Max	10 bar
Machines Dimensions /L x W x H/	850 x 400 x 300mm /weight approx. 42kg
Dimensions Of The Transport Box	920 x 530 x 440mm /weight approx. 55kg
Available Accessories Inside The Set	Set of handles for HDPE ducts Set of seals for HDPE ducts Set of cable seals Set of Allen keys Socket wrench

Air hose  
Power unit (aggregate)

**Required Compressor' s Efficiency**

ducts: 32-40- 50mm 8 – 10 m3/min

**Power Unit (aggregate)**

dimensions: 630 x 530 x 510 mm weight: 54kg  
max hydraulic pressure: 110 bar

## Available Models:FCST-FBM07

FCST-FBM07

Free of charge accessories and handy tools. Robust mechanical cable length counter meter.

Always delivered with the blowing unit: hydraulic power unit (aggregate) with connection hoses



## Our Recommendations



Cable twister/ coiling/cable storing device

Carousel is a useful device to store the excess of a cable while blowing-in cables in two directions, protects the cable from damaging, helps laying long sections of cable, foldable

capacity up till 2000m of cable d=5-8mm



Y connector -Useful tool for blowing in an additional cable or a micro tube into already occupied duct. With our Y connector you can lay of two cables in one tube. Set is delivered with the handles and seals for Ø 32 mm, Ø40 mm, Ø50 mm tubes.



Prelube liquids – reduce friction and extend the blowing length

# FCST-FBM08 Fiber Blowing Machine



## Product Overview

FCST-FBM08-is a unit suitable for blowing several micro ducts into HDPE (32, 40 and 50 mm) ducts. At the moment it can be used with three micro duct diameters: 7,10,12 mm. We offer different set-ups for a specific number of micro ducts and configuring the unit to work with a cable additionally.

FCST-FBM08 is being sold with a hydraulic power unit and a hydraulic connection hoses.

FCST-FBM08 set includes a hydraulic unit, handles for HDPE ducts: 32,40,50mm, seals, and a robust transport trunk

## Product Specifications

Construction	Description
Technical Data	FCST-FBM08
Microduct Diameter:	7-10-12 mm (max. number of the microducts: 7)
Tube Diameter	32mm, 40mm, 50mm
Blowing Range / Max	1500 m
Blowing Speed / Max	80 m/min
Operating Pressure / Max	10bar
Machines Dimensions /L x W x H/	850 x 400 x 300mm /weight approx. 42kg
Dimensions Of The Transport Box	920 x 530 x 440mm /weight approx.. 55kg



#### Available Accessories Inside The Set

Set of handles for HDPE ducts  
Set of seals for HDPE ducts  
Set of cable seals  
Set of Allen keys  
Socket wrench  
Air hose  
Power unit (aggregate)

#### Required Compressor' s Efficiency

ducts: 32-40- 50mm 8 – 10 m3/min

#### Power Unit (aggregate)

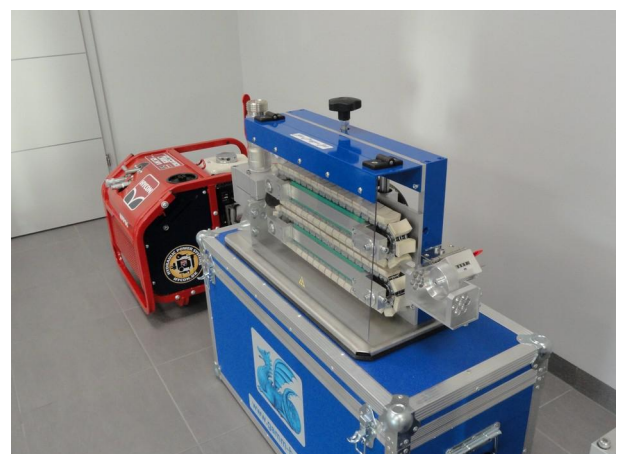
dimensions: 630 x 530 x 510 mm weight: 54kg  
max hydraulic pressure: 110 bar

### Available Models:FCST-FBM08

#### FCST-FBM08




Free of charge accessories and handy tools. Robust mechanical cable length counter meter.

Always delivered with MULTITUBE: a hydraulic power unit (aggregate) with connection hoses





## Our Recommendations

	<p><b>Cable twister/ coiling/cable storing device</b></p> <p>Carousel is a useful device to store the excess of a cable while blowing-in cables in two directions, protects the cable from damaging, helps laying long sections of cable, foldable</p> <p><b>capacity up till 2000m of cable d=5-8mm</b></p>
	<p><b>Y connector</b> -Useful tool for blowing in an additional cable or a micro tube into already occupied duct. With our Y connector you can lay of two cables in one tube. Set is delivered with the handles and seals for Ø 32 mm, Ø40 mm, Ø50 mm tubes.</p>
	<p><b>Prelube liquids</b> – reduce friction and extend the blowing length</p>

# Fiber Cable Solution Technology Co.,Ltd.



## Overseas Agency

 [www.fcst.com](http://www.fcst.com)



Fiber Cable Solution Technology (FCST Co.,Ltd.) was established in 2003. We specialized in Fiber optic patch cord manufacturing in 2006. We transitioned to R&D fiber plastic products such as fiber optic closures and terminal boxes in 2009, and began to be involved in fiber blowing. In 2011, we set up our own micro duct factory in Shanghai. From 2014 till now, FCST has perfected total blowing solution and has become the leader of this field in China. We set up an engineer team specialized in R&D fiber cable aerial installation accessories from 2018 and we have finished more than 25 types of accessories, especially for FTTH drop cable aerial installation.