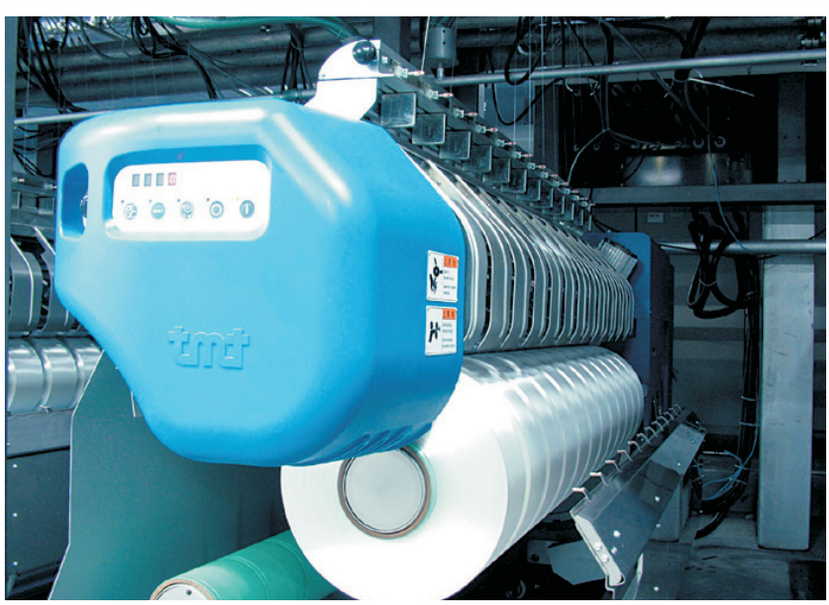
Futai Machinery Co., Ltd.

Suction Gun for Synthetic Fiber Spinning and Texturing Plants











Your Partner Specialized in Quality Devices

F series



F series

F and F+ series suction guns are designed to be suitable for FDY, POY yarn at high speed up to 8000m/min.

F+ series is a modified version of F series of suctioin guns. It is made with a new configuration of nozzle and chamber, which is achieved with stronger suction force, compared to F series.

Long life time thanks to materials used for suction gun body and internal parts.

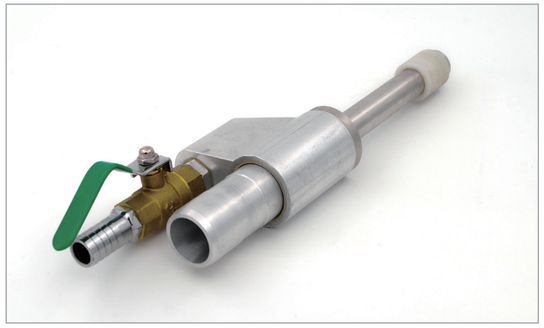
Model	F07/405-01	F07/420-01	F+10/385-01	F+07/415-01	F+05/382-01P
Operating Pressure (bar)	6-14	6-14	6-14	6-14	6-14
Air Consumption(m^3/h)	52(Pe+1)	52(Pe+1)	58(Pe+1)	58(Pe+1)	58(Pe+1)
Max. yarn speed(m/min)	8000	8000	8000	8000	8000
Tube internal diameter(mm)	7	7	10	7	5
Tube length(mm)	200	205	190	200	175
Max. yarn count (dtex)	3000	3000	10000	3000	1600
Weigth(kg)	1.2	1.1	1.35	1.05	1.0
Working method	twisting	twisting	twisting	twisting	twisting
Air inlet connection	Φ32mm 1"BSP	Φ25mm 3/4"BSP	Φ32mm 1"BSP	Φ25mm 3/4"BSP	Φ25mm 3/4"BSP
Air exhause connection	Φ32mm	Φ32mm	Φ32mm	Φ32mm	Φ32mm

S and B series

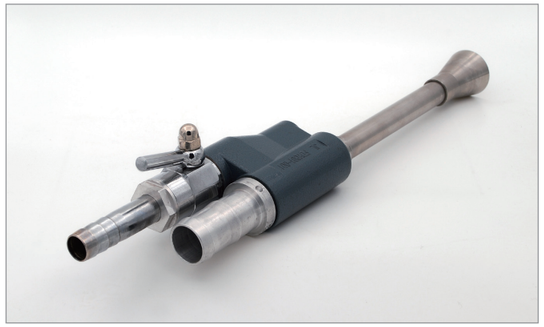
S and B series suction guns are designed to be suitable for staple fiber, BCF yarn at high speed up to 8000m/min.

Long life time thanks to materials used for suction gun body and internal parts.

Lower air consumption with different design of nozzle and chamber.



B series



S series

Model	S07/425-04	S10/425-04	S16/460-04	B10/330-05	B18/290-03
Operating Pressure (bar)	6-14	6-14	6-14	6-14	6-14
Air Consumption(m^3/h)	52(Pe+1)	52(Pe+1)	52(Pe+1)	52(Pe+1)	52(Pe+1)
Max. yarn speed(m/min)	8000	8000	8000	8000	8000
Tube internal diameter(mm)	7	10	16	10	18
Tube length(mm)	220	210	220	140	100
Max. yarn count (dtex)	3000	10000	>10000	10000	>10000
Weigth(kg)	1.0	1.05	1.5	1.2	1.1
Working method	twisting	twisting	twisting	twisting	twisting
Air inlet connection	Φ32mm 1"BSP	Φ25mm 3/4"BSP	Φ25mm 3/4"BSP	Φ25mm 3/4"BSP	Φ25mm 3/4"BSP
Air exhause connection	Φ32mm	Φ32mm	Φ32mm	Φ38mm	Φ38mm

D series

D seriers suction guns are suitable for texturing machines, such as Barmag, Murata, RPR, Rieter Scragg, ICBT, Hongyuan and so on.



Model	D250
Description & for Machine	
Remarks	With / without ceramic head



Model	D260/D261
Description & for Machine	Spandex spinning
Remarks	Long tube/Short tube



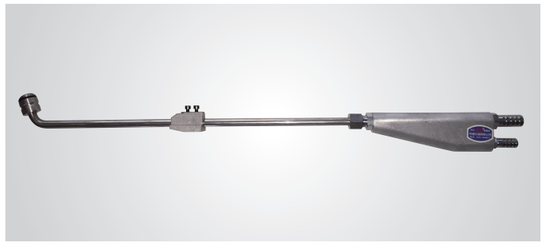
Model	D270
Description & for Machine	Waste yarn exhauster
Remarks	



Model	D280S/D280B
Description & for Machine	Splicer for DTY workshop
Remarks	For up to 150D/ For up to 300D



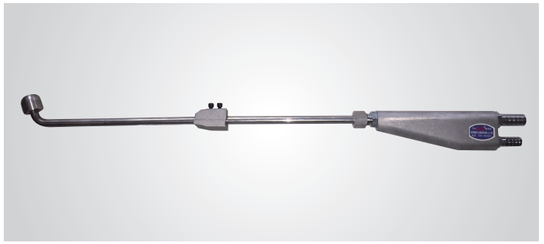
Model	D291
Description & for Machine	Suction gun for Hongyuan FK6-1000
Remarks	



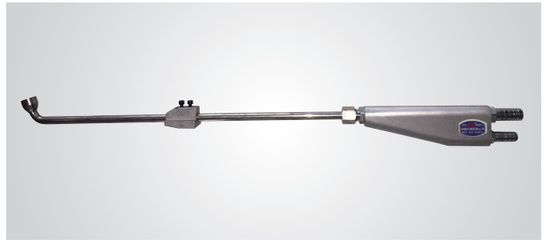
Model	D292
Description & for Machine	Suction gun for Hongyuan FK6-1000
Remarks	



Model	D301
Description & for Machine	Suction gun for Barmag FK6-1000
Remarks	With valve, stainless steel bracket



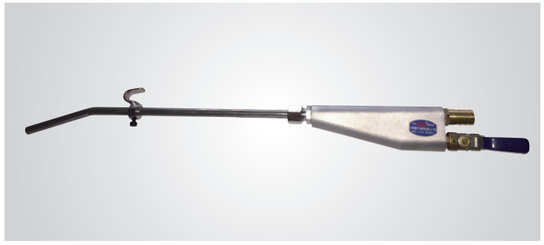
Model	D302
Description & for Machine	Suction gun for Barmag FK6-1000
Remarks	Aluminum bracket



Model	D311
Description & for Machine	Suction gun for Barmag FK6-700
Remarks	



Model	D321
Description & for Machine	Suction gun for covering machine, FK6-L12/S12
Remarks	Straight pipe, with valve



Model	D322
Description & for Machine	Suction gun for covering machine, AIKI ATY machine
Remarks	Bend pipe, with valve



Model	D323
Description & for Machine	Suction gun for Barmag eFK
Remarks	

D series



Model	D324
Description & for Machine	Suction gun for Barmag AFK
Remarks	



Model	D331
Description & for Machine	Suction gun for RPR
Remarks	



Model	D332
Description & for Machine	Suction gun for RPR
Remarks	



Model	D333
Description & for Machine	Suction gun for RPR
Remarks	



Model	D340
Description & for Machine	Suction gun for ICBT 12E3
Remarks	



Model	D350
Description & for Machine	Suction gun for Murata 33H
Remarks	Without suction gun head,without connector



Model	D352
Description & for Machine	Suction gun for Murata 33H
Remarks	With suction gun head & connector



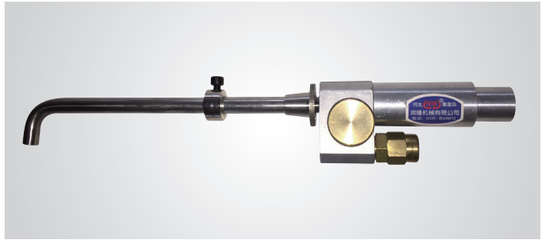
Model	D354
Description & for Machine	Suction gun for Murata 33H
Remarks	

Model	D355
Description & for Machine	Suction gun for Murata 33H
Remarks	D352 plus pipe, connector

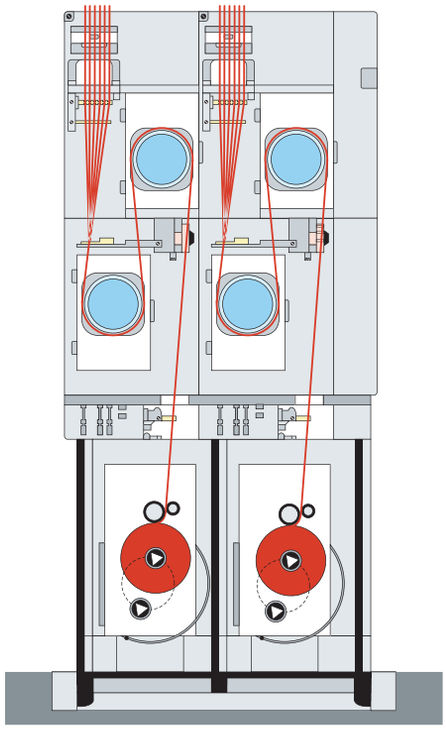


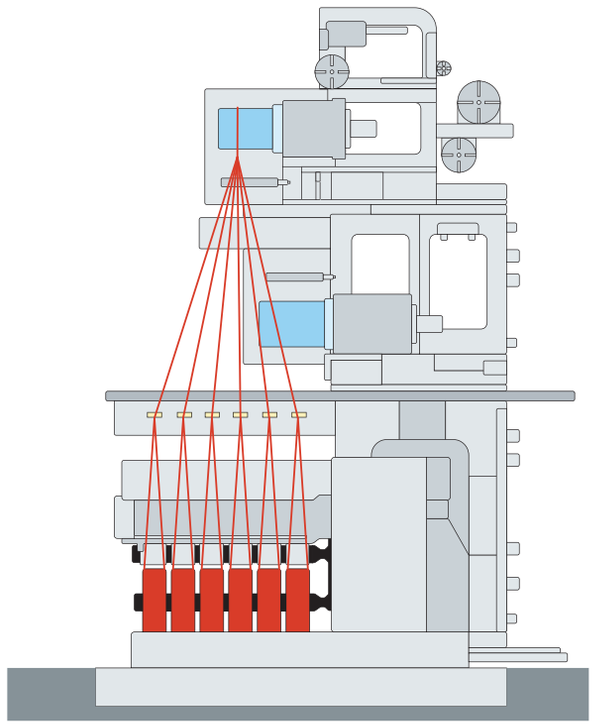
Model	D370
Description & for Machine	Sucton gun for FTF-8E3
Remarks	

Model	D390
Description & for Machine	Suction gun for FK6-1000
Remarks	D301 plus valve, pipe and connector



Model	D523
Description & for Machine	Suction gun for Murata 33J
Remarks	





Futai offers you the solutions in the field of synthetic fiber spinning, texturing machine, related utility and yarn quality test&control center. Futai is more than a source of standard quality components and auxiliary equipments, as well a reliable and specialized partner in the innovation, design and custom made parts to reach your highest specifications, provide you high-performance products and services, facilitate you handling and maintenance in your daily operation, also with the goals of saving your time and money.

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