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浙江日发纺织机械股份有限公司
ZHEJIANG RIFA TEXTILE MACHINERY CO.,LTD

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FIBRE PREPARATION Solutions

前准备解决方案

化纤倍捻机
FILAMENT FIBER TFO TWISTER



关于日发纺机

浙江日发纺织机械股份有限公司成立于2002年，注册资金6948.7万。公司系国家重点高新技术企业，国家机械工业重点骨干企业，国家863计划CIMS工程示范企业，全国CAD应用工程示范企业，国家火炬计划重点高新技术企业，中国纺织机械协会副会长单位。现旗下控股山东日发纺织机械有限公司、安徽日发纺织机械有限公司、浙江日发纺机技术有限公司。

公司以成为“敏捷化的国际性公司”为愿景，以“为用户提供智能纺织装备系统解决方案，并协助用户逐步实现数字化工厂梦想”为使命，致力于机电行业的“数字科技”，已成为国内外享有高知名度的纺织设备生产企业。二十几年来已成功开发了清梳联、并条机、转杯纺纱机、喷气涡流纺纱机、倍捻机、直捻机、假捻变形机、精密并纱（络筒）机、自动穿经机、喷气织机、喷水织机、剑杆织机、毛巾织机、特种织机、针织圆机、无缝内衣机、袜机、非织造布设备等系列的上百种产品，能够为行业提供纺纱、前准备、织造、非织造四大解决方案，涉及纺织行业的各个领域。产品遍及全国各地，并销往全球30多个国家和地区，在各个行业的市场占有率位居前列。

日发纺机正致力于创造崭新的“数字科技”理念，在未来的整机生产中，建立“人流、物流、信息流”的互动平台，实现科技、环境、制造的和谐统一。铸就“信息化、敏捷化、国际化”的机械制造生产基地。

浙江日发纺机技术有限公司系日发纺机全资子公司，注册成立于2009年。公司主要产品为针织圆机、袜机、无缝内衣机、倍捻机、直捻机、假捻变形机、精密并纱（络筒）机、无水印花机，继承日发纺机二十多年的专业经验，致力于打造世界智能化高端纺织机械研发与制造基地。



About Us

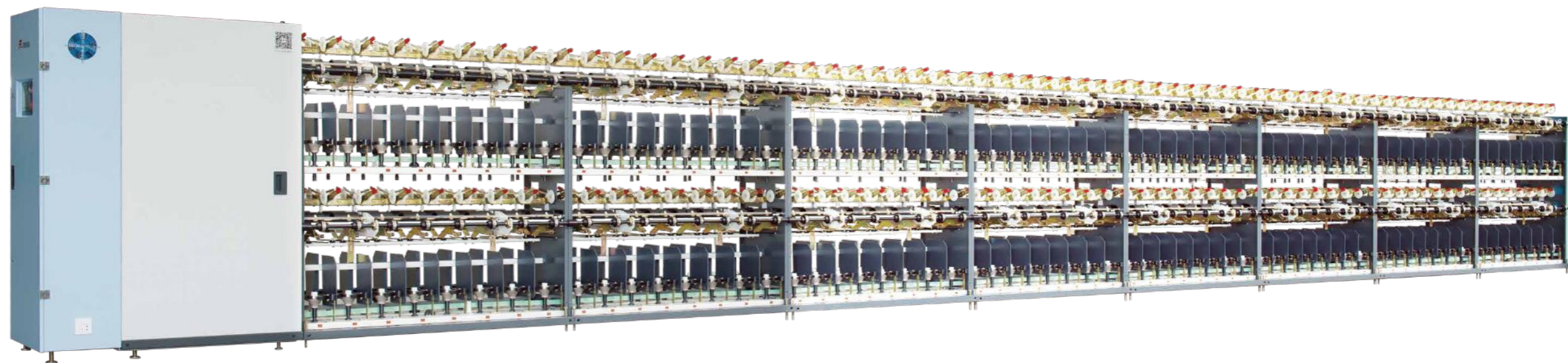
Zhejiang Rifa textile machinery co., ltd. is founded in 2002 with a registered capital of 69.487 million yuan. The company is a China national key high-tech enterprises, a key enterprise of the China national machinery industry, a demonstration enterprise of both China national 863 program CIMS engineering and China national CAD application engineering, a China national torch plan high-tech enterprise, and a vice president unit of China textile machinery association. It now holds three subsidiaries: Shandong Rifa textile machinery co., ltd., Anhui Rifa textile machinery co., ltd. And Zhejiang Rifa textile machinery tech co., ltd.

With the vision of “become an agile and international company” and the mission of “Provide users with intelligent textile equipment system solutions, and help users gradually realize the dream of a digital factory”, Zhejiang Rifa Textile Machinery Co., Ltd. is devoted to the area of “digital technology” in mechanical and electrical industry, and has become a well-known textile equipment manufacturer with excellent reputation at home and abroad. For over twenty years, the company has successfully developed four solutions such as spinning, fibre preparation, weaving and non-woven, including blow-room machine, draw frame, rotor spinning machine, air jet vortex spinning machine, two-for-one twister machine, twister machine for tire cord, false-twist texturing machine, precise winding machine (precise rewinding machine), automatic warp drawing machine, air jet loom, water jet loom, rapier loom, terry towel loom, specific loom, circular knitting machine, seamless knitting machine, hosiery machine and non-woven equipment etc hundreds of machines. These products have been distributed to all areas around China and sold to more than 30 foreign countries and regions with a leading market share in each respective industry.

RIFA is devoting itself to create a whole new theory of digital technology, establishing an interactive platform of “people flow, material flow and information flow”, realizing harmony and unify of science and technology, environment and manufacturing, and aiming to become a manufacturing base of “informatization, agility and internationalization”.

Incorporated in 2009, Zhejiang Rifa Textile Machinery Tech Co., Ltd. is a wholly-owned subsidiary of RIFA. The company's main products include circular knitting machine, hosiery machine, seamless underwear machine, two-for-one twister machine, twister machine for tire cord, false-twist texturing machine, precise doubling machine (precise rewinding machine) and waterless decorating machine. The company has inherited professional experience of over 20 years in RIFA, and is committed to becoming the world R&D and manufacturing base of intelligent high-end textile machinery and equipment.



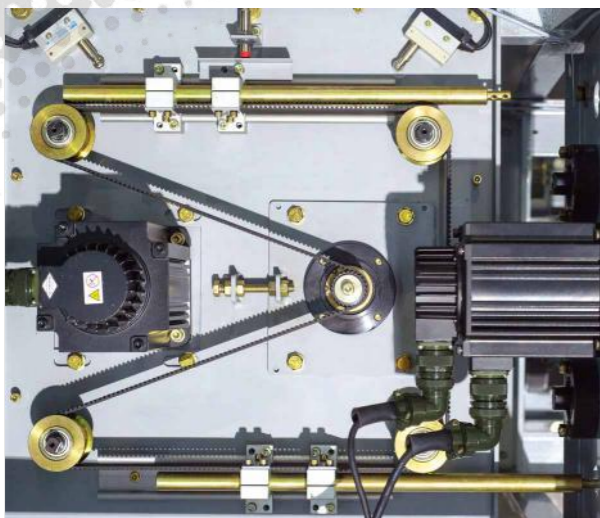


自1993年我司推出第一台RF310化纤倍捻机以来,已累计销售超过3500000锭。对品质的严苛要求,使“稳定”、“高效”、“优质”的日发倍捻机深受客户青睐。丰富积累的工艺数据与对加捻技术的不断研究,使我们能为客户提供专业、精准的工艺指导。推出新一代RF310电子化纤倍捻机具有:

- 高品质锭子,更高速度,更低能耗。
- 优化的筒子架结构,适合更高引纱速度,更大容量。
- 更多电子技术应用,使设备简单易用。
- 严格品质控制,设备性能稳定如一。

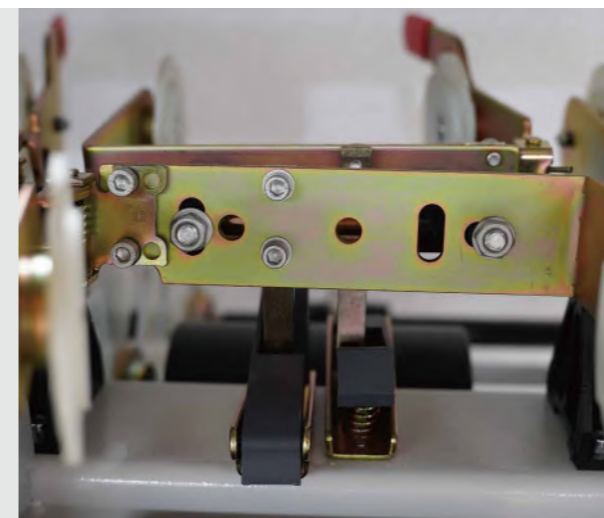
Since the launch of the first set two-for-one twister in 1993, we have sold more than 3.5 million spindles. Strict requirements for quality allow RIFA two-for-one twister with "high stability", "high efficiency" and "high quality" to have been highly appreciated by users. The new generation of 310 filament fiber two-for-one twister is featured at:

- High quality spindles, for higher speed, and lower energy consumption.
- Optimized structure of bobbin creel is suitable for higher delivery speed and larger capacity.
- More electronic technology applications make the equipment simple and easy to use.
- Strict quality control, and stable equipment performance.



最大卷取速度可达120m/min，产量高、效益高，适合低捻度的产品加工。

The max take-up speed can reach up to 120 m/min which is suitable for twisting yarn with low twist.



采用电子成型能达到集体收边功能，筒子架恒压设计，提高成型质量。

Electric forming are adapted to realize collectively shrinking side. The bobbin creel adopts constant pressure design to improve the forming quality.



供纱原料重量达到1.5kg，减少络筒工艺环节，减少设备与人员投入，降低生产成本，增加原料利用率；可适用10-300D化纤原料。

The weight of yarn package can reach up to 1.5KG, which reduces winding processing links, reduces investment in equipment, staff and production cost, and increases using efficiency of raw materials. It is suitable for chemical fiber raw materials of 10~300D.



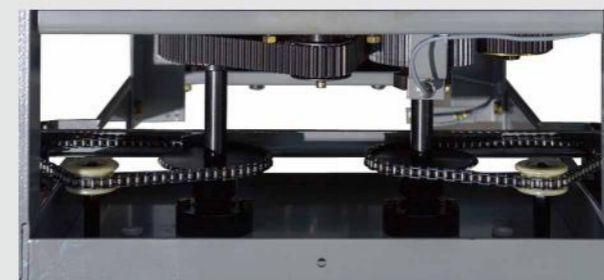
配备数据采集接口，可监控设备运行状态。

The machine is equipped with data collection interface to monitor the running status of the machine.



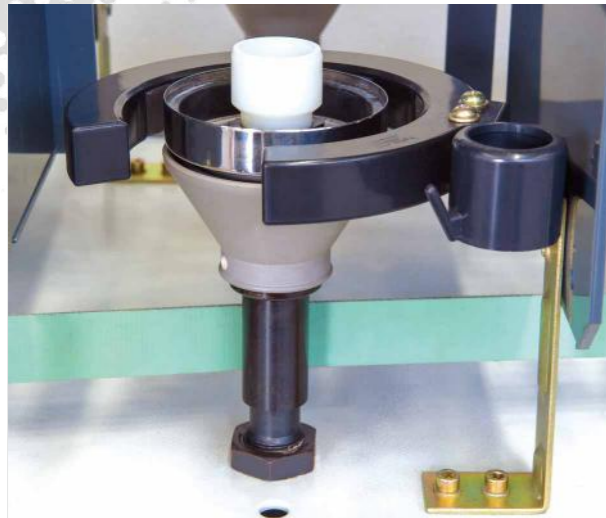
触屏设置工艺参数，减少生产辅助工时，提高效率降低生产成本。

The processing parameter is set on touch screen, which reduces auxiliary working time, increases efficiency and reduces production cost.



简洁的传动系统，维修极为方便。

Simple driving system, making it easy for maintenance.



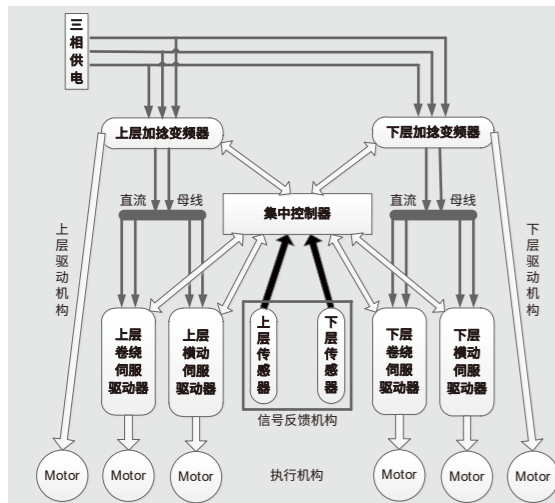
经过特殊处理的RIFA化纤倍捻锭子，适合超细旦丝加捻。

Specially-treated RIFA filament fiber twisting spindle, which is suitable for twisting finer denier yarn.



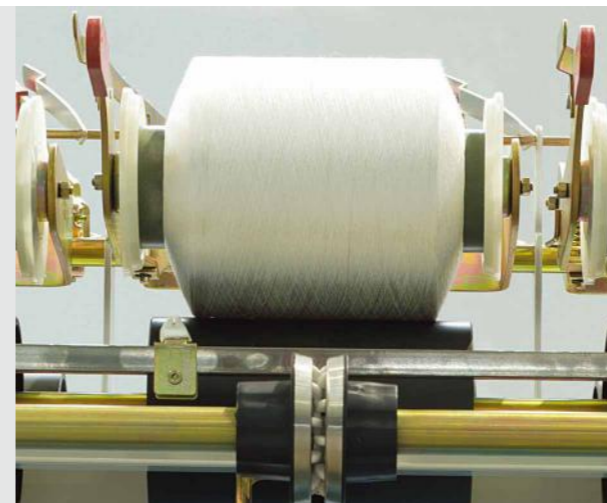
加高机型，具卷装容量更大。

Increased machine height, with larger package capacity.



创新的断电同步功能，保证突然断电情况下工艺不变。

Innovation power-off synchronization function to ensure that the process is unchanged after sudden power-off.



可做无边成型。

Plastic tube package forming is available.



25年的倍捻机专业生产经验，设备性能稳定可靠。

Years of professional production experience of two-for-one twister, featured at stable and reliable equipment performance.



更多的附件可选功能配置：长车选配，单锭断纱报警等。

More options supported, e.g. more spindle quantity for one machine, single spindle yarn-break alarm.

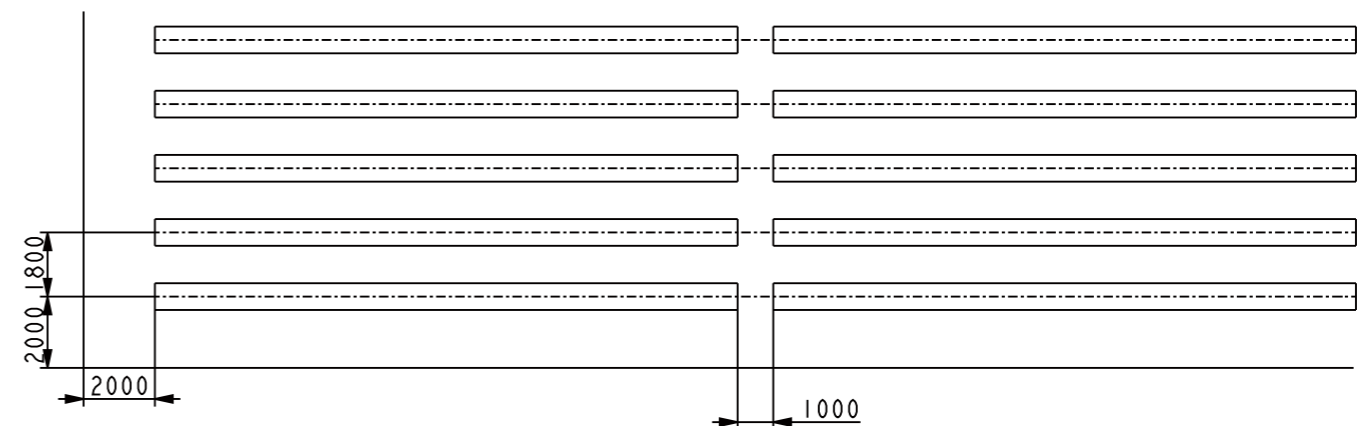
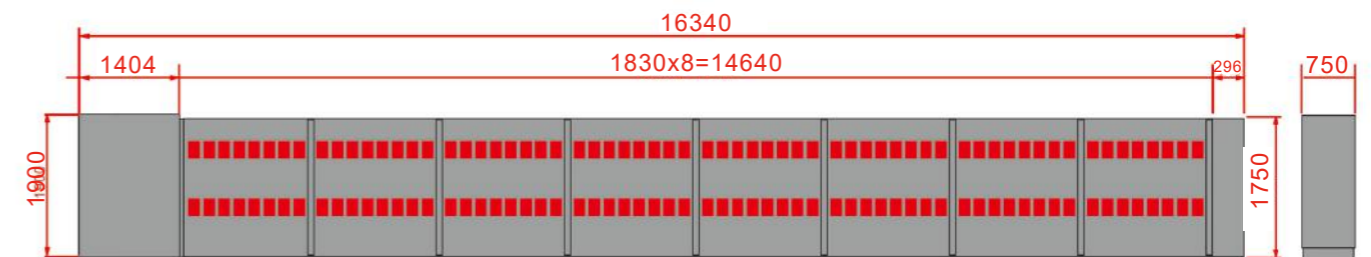
技术规格和尺寸图

SPECIFICATION&DIMENSIONS

项目 ITEMS	技术指标 PARAMETERS
操作形式 Operation Mode	双面双层, 引丝线穿线 Double sides and double layers, guiding wire for threading
锭数 Number Of Spindles	32锭倍数, 标准型256锭 32 spindle multiples, standard type of 256 spindles
锭距 Spindle Pitch	225mm
锭速范围 Spindle Speed Range	3000-15000 r/min (无级可调) 3000-15000 r/min (Stepless adjustable)
捻度范围 Twist Range	80~5000T/m (无级可调) 80~5000T/m (Stepless adjustable)
捻向 Twist Direction	S或Z捻 S or Z twist
锭子张力器 Spindle Tensioner	多段式张力珠和张力圈并用 Combination of multi-section tensioner ball and tension ring
供纱筒管尺寸 (内径×外径×长度) Feeding Bobbin Dimension (Inner Diameter * Outer Diameter* Length)	Ø37×Ø42×320cm
卷取筒管尺寸 Take Up Bobbin Dimension	平行管, 长度172 Parallel tube; length of 172 cm
卷绕动程 Traverse Length	最大160mm (无级可调) Max. 160mm (Stepless adjustable)
卷绕容量 Package Capacity	1500克 1500 g
额定功率 Installation Power	19.1KW
启动方式 Starting Mode	软启动 Soft start
卷绕角 Winding Angle	5°~25° (无级可调) 5°~25°(Stepless adjustable)
卷取速度 Take Up Speed	40米/分-最大120米/分 40 m/min – max. 120 m/min
适用范围 Suitable Yarn Count	10D~300D的化纤长丝 10D~300D filament fiber
锭子传动方式 Spindle Driving Mode	龙带循环传动 Belt circulation drive
锭子固定 Spindle Fixture	磁力固定 Magnetic fixture
卷取张力 Take Up Tension	调整丝线在超喂罗拉上的包围角 Adjust wrapping angle of yarn on over-feeding roller
外形尺寸(不含吸尘器) Machine Dimension (Excluding Overhead Blower)	16340X750X1850/1950 mm

锭子型号 Spindle Type	锭距 Spindle Gauge (mm)	卷绕动程L Winding stroke mm (≤)	卷装量 W Volume of packaging kg (≤)
90	225	160	1.5
96	225	160	1.8
100	225	160	2
110	290	210	3

地脚图Foundation drawing (225锭距/255 spindle gauge)



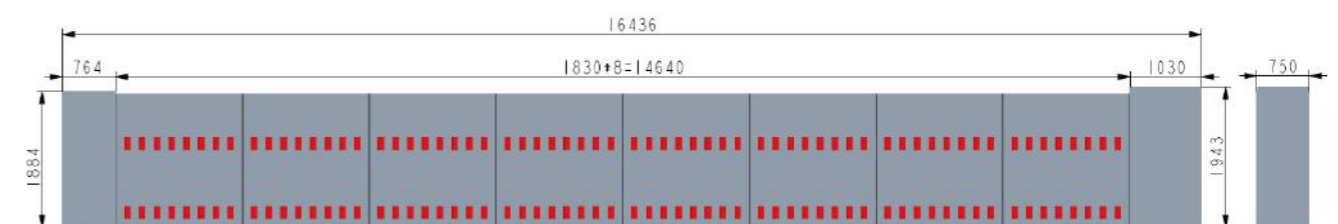
技术规格和尺寸图

SPECIFICATION&DIMENSIONS

项 目	技术指标
操作形式	双面双层, 引丝线穿线
锭数	32锭倍数, 标准型256锭
锭距	225mm
锭速范围	8000-12000 r/min (独立变频控制)
捻度范围	350~3989T/m
捻向	S或Z捻
锭子张力器	多段式张力珠和张力圈并用
供纱筒管尺寸 (内径×外径×长度)	Ø37×Ø42×320cm
卷取筒管尺寸	有边管
卷绕动程	160~165mm
额定功率	7.5KW X2
启动方式	星三角启动
卷绕角	3°42' (9.0次单程)
卷取速度	40米分
适用范围	10D~300D的化纤长丝
锭子传动方式	龙带循环传动
锭子固定	磁力固定
卷取张力	调整丝线在超喂罗拉上的包围角
外形尺寸(不含吸尘器)	16436X750X1850mm

ITEMS	PARAMETERS
Operation Mode	Double sides and double layers, guiding wire for threading
Number Of Spindles	32 spindle multiples, standard type of 256 spindles
Spindle Pitch	225mm
Spindle Speed Range	3000-15000 r/min (Stepless adjustable)
Twist Range	80~5000T/m (Stepless adjustable)
Twist Direction	S or Z twist
Spindle Tensioner	Combination of multi-section tensioner ball and tension ring
Feeding Bobbin Dimension (Inner Diameter * Outer Diameter* Length)	Ø37×Ø42×320cm
Take Up Bobbin Dimension	Parallel tube; length of 172 cm
Traverse Length	Max. 160mm (Stepless adjustable)
Package Capacity	1500 g
Installation Power	15.1KW
Starting Mode	Soft start
Winding Angle	5°~25°(Stepless adjustable)
Take Up Speed	40 m/min – max. 120 m/min
Suitable Yarn Count	10D~300D filament fiber
Spindle Driving Mode	Belt circulation drive
Spindle Fixture	Magnetic fixture
Take Up Tension	Adjust wrapping angle of yarn on over-feeding roller
Machine Dimension (Excluding Overhead Blower)	16340X750X1850/1950 mm

地脚图Foundation drawing (225锭距/255 spindle gauge)



假捻机 FALSE TWISTING MACHINE



项目 Items	技术指标 Parameters
操作形式 Spindle Driving Mode	双面单层, 手动引纱 Double sides single layer, manual yarn drawing
锭数 Number Of Spindles	16 锭/节, 标准型 160 锭 16 Spindles per sections, standard type 160 spindles
锭距 Spindle Gauge	225mm
节数 No.Of Sections	≤12
锭子 Spindle	带轮直径 Ø28 Pulley dia 28
锭速范围 Spindle Speed Range	6500~13000r/min
捻度 (T/m) Twist(T/m)	80~2500T/m(无极可调) 80~2500T/m(stepless adjusted)
假捻范围 False Twist Range	独立驱动, 理论上无极可调 Independent drive, theoretically stepless adjustable
捻向 Twisting Direction	S或z捻 S or z twist
锭子张力器 Tensioner	多段式张力珠和张力圈并用 With ball type tensioner and washer type tensioner
供丝筒管尺寸 Size Of Feeding Bobbin	L240-350×Ø42×Ø110
卷取铜管尺寸 Size Of Winding Bobbin	平行管, 长度 172 Parallel tube, length 172
卷绕角 Angle Of Wind	无极可调 Stepless-adjusted
适用范围 Scope Of Application	50D~400d 的化纤丝 50D~400d chemical fiber

项目 Items	技术指标 Parameters
启动方式 Starting Mode	软启动 Soft start
工作温度 Working Temperature	140°C~250°C
假捻器转子最高转速 Maximum Rotor Speed Of False Twister	160000 r/min
工作环境要求 Work Environment Requirements	相对湿度 ≤85%, 温度 ≤30°C The relative humidity is less than 85%, the temperature below 30°C
电热箱功率 Power Of Electric Heating Box	1.2kW/ 节 1.2kW per sections
额定功率 Rated Power	7.5kW+5.5kW+1kW+1.3kW
卷绕动程 Traverse Length	160mm (无极可调) 160mm (stepless adjusted)
收边方式 Margin Way	电子集体收边 Electronic collective margin
锭子传动方式 Spindle Driving	龙带切向传动 Belt tangential driving

地脚图 Foundation Drawing

