

JWF1458A/JWF1457 自动落纱粗纱机

AUTO-DOFFING ROVING FRAME

高速、长车、省工、智能化、易维护
High speed, long car, labor saving,
intelligent, easy maintenance



70 多年的粗纱机生产经验
紧跟国际粗纱机的发展潮流

70 years of experience in the production of roving frames, closely following the development trend of international roving frames

JWF1458A/JWF1457 粗纱机为外置式全自动落纱粗纱机，既可作为自动落纱粗纱机单独使用，又可粗细联输送系统配套使用。该机单侧最大锭数可达 216 锭 /224 锭。

The JWF1458A/JWF1457 AUTO-DOFFING ROVING FRAME is a full-automatic external doffer roving frame; It can be used alone or in conjunction with roving transfer system to constitute a roving and spinning unit. The machine provides up to 216 spindles/224 spindles

纺制高质量纱线的理想选择
HIGH QUALITY YARNS MAKING IT THE
MOST IDEAL OPTION FOR SPINNING

主要特点：

1

外置式落纱

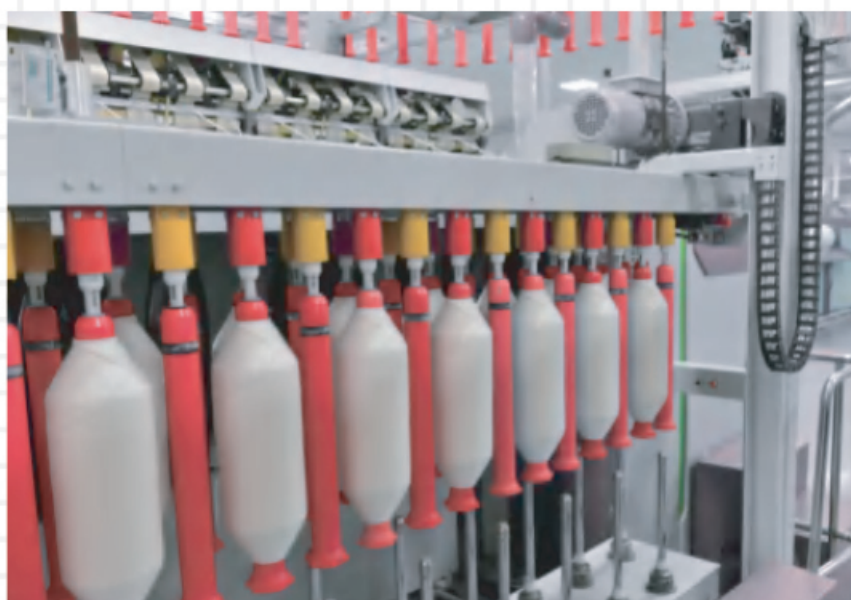
External automatic doffer system

高效率：故障率低、维护保养落纱系统不影响正常纺纱

High efficiency: low failure rate/ Doffing system can be maintained and repaired without affecting normal operation of the roving system

高成功率：落纱、空满管交换、自动生头成功率接近100%

High success rate: the success rate of doffing/empty and full tube exchange/spinning in is almost 100%



2

具有三罗拉、四罗拉两种形式

There are two types. One is with three rollers. The other one is with four rollers.

★**标准配置：**中国YJ-40A弹簧加压摇架。

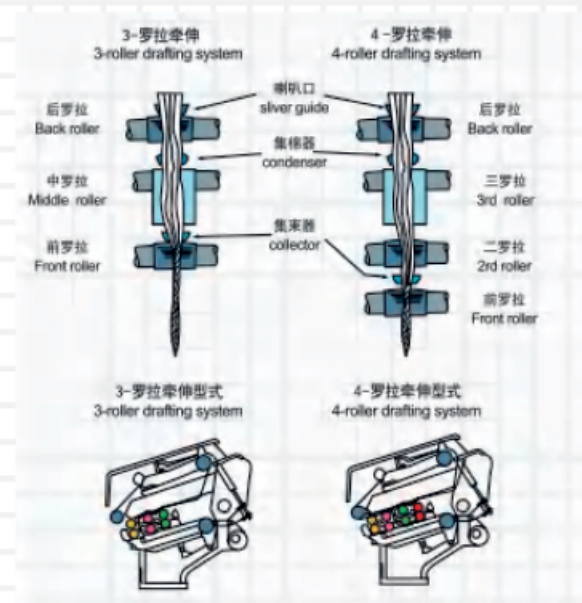
Standard configuration: Chinese YJ-40A spring-loaded drafting system.

★**选用配置：**德国TEXParts公司弹簧加压摇架。

Optional configuration: Germany Texparts spring-loaded drafting system.

德国Suessen公司的板簧加压摇架。

Germany Suessen spring-loaded drafting system.



3

分组传动形式

Drive in groups

下龙筋采用圆弧齿齿形带分组传动，实现超长粗纱机。传动平稳，噪音低、速度高 (纯棉纺纱锭速可达到1300转/分钟)。

The lower spindle rail tube drives the spindles in groups with circle-arc tooth belt. It makes it possible for long roving frames. Smooth transmission, low noise, high speed (pure cotton spinning spindle speed up to 1300 rpm/min).



清洁系统

Cleaning system

清洁装置主要由上下清洁器，吹吸风装置及机后的吸尘装置组成，能有效清除积花。避免纱疵，为纺制高档产品创造了积极条件。巡回式清洁器运行模式可根据节能需求设定运行周期和间隔时间。

The cleaning system comprises the upper and lower cleaners/suction unit and dust suction device behind it. It can effectively remove the accumulated flying and avoids yarn faults, creating favorable conditions for delivering high-grade products. Tour cleaners operating mode can be set to run cycle and intervals as needed.

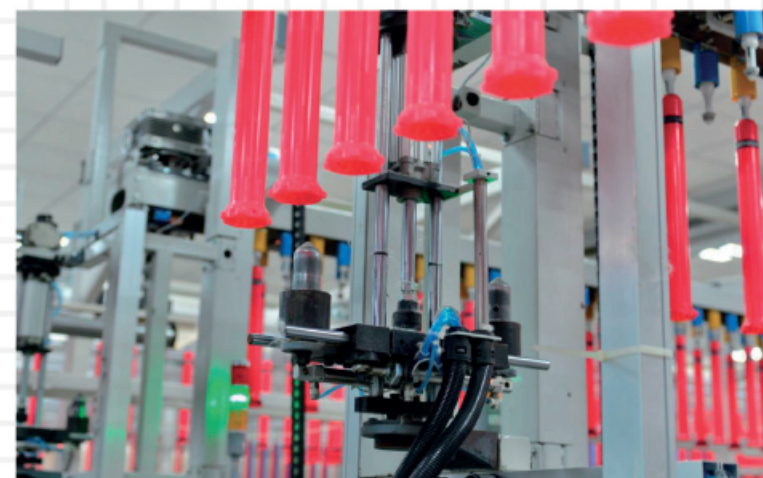


空满交换

Spool changeover

实现全自动落纱粗纱机粗纱和空管的自动交换。

Automatic changeover is achieved between the empty and full spools of full-automatic doffing roving frame. The change frequency is adjustable.



操作界面人性化、易操作

the operation interface is user-friendly and easy to operate

多电机同步控制，实现恒张力纺纱。

Multi-motor synchronous control for constant tension spinning.

多段速纺纱，纺纱速度在显示屏可设。自动保持粗纱离心力的恒定，提高纺纱品质。

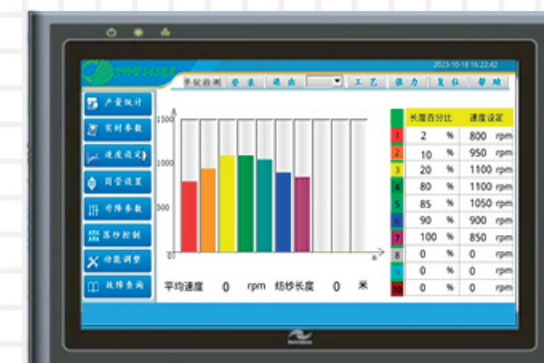
The multi-stage speed is adopted to spin and the spinning speed can be set on the screen. Automatically keep centrifugal force constant and improve spinning quality.

通过人机界面，可以进行状态、故障查询等，自动存储故障记录，停车记录等。

Through the HMI, the state inquiry, fault finding queries. Automatic storage of fault records and stop records, etc.

具备联网远程运维功能，可实现网络管理，网络诊断，提高生产效率。

With network remote operation and maintenance function, can realize network management, network diagnosis and enhanced productivity



JWF1468A/JWF1467 自动落纱粗纱机

JWF1468A/JWF1467AUTO-DOFFING ROVING FRAME

JWF1468A/JWF1467 是 JWF1458A/JWF1457 自动落纱粗纱机的衍生机型，采用双车头中间传动，满足 JWF1458A/JWF1457 的全部功能，最长锭数达到原机器的两倍，节省占地空间。

JWF1468A / JWF1467 is a derivative model of JWF1458A / JWF1457 AUTO-Doffing roving frame . It adopts double front middle transmission, which can meet all the functions of JWF1458A / JWF1457. The spindles is twice that of the original machine, saving floor space.



主要规格 /SPECIFICATIONS

机型	JWF1458A	JWF1457
锭距(毫米)	216	185
锭数系列(锭)	N*12 (10 ≤ N ≤ 18)	140,156,168,182,196,212, 224
试纺棉纤维长度(毫米)	22~38	
试化学纤维长度(毫米)	65以下	
适纺线密度 (Tex)	1000~200 (1~5公支)	
总牵伸倍数	4.2~12	
适纺捻度范围 (捻/米)	18.5~80	
锭翼转速 (转/分)	纺纱速度	1300
	机械速度	1500
机器手向	左、右手	
锭翼形式	悬锭 (下锭杆)	
牵伸形式	三罗拉或四罗拉双短皮圈	
加压形式	YJ40A-190x4; PK1550; HP4080	
棉条筒直径 (毫米)	Φ400、Φ500 或 Φ600	Φ400 或 500 或 Φ600

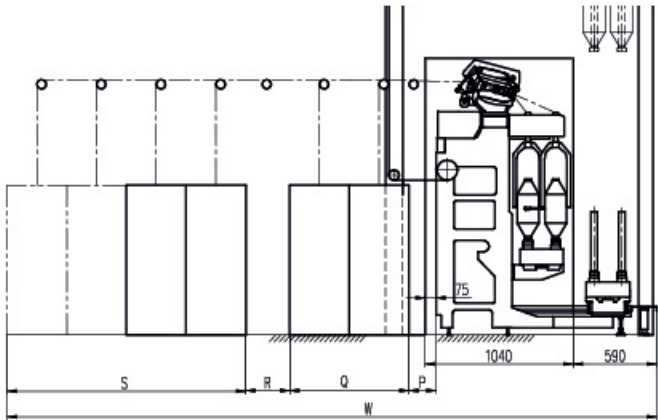
Model	JWF1458A	JWF1457
Spindle pitch (mm)	216	185
Series of spindles (spindle)	N*12 (10 ≤ N ≤ 18)	140,156,168,182,196,212, 224
Cotton fiber length (mm)	22~38	
Chemical fiber length (mm)	<65	
Density for roving (Tex)	1000~200 (1~5 metric number)	
Total draft multiple	4.2~12	
Twisting range (twist/m)	18.5~80	
Flier speed (rpm)	Roving speed	1300
	Mechanical speed	1500
Robot-hand direction	Left-right	
Flier form	Suspended (lower spindle blade)	
Draft form	3/4-roller 2-short apron	
Pressure form	YJ40A-190x4; PK1550; HP4080	
Diameter of silver can (mm)	Φ400 、Φ500 or Φ600	Φ400 or Φ500 Φ600

JWF1458A

锭数 Nos.of spindle	尺寸 Dimensions	代号 Symbols	代号 Symbols
	e	L	f
120	13211	15315	1495
132	14507	16611	1495
144	15803	17907	1495
156	17099	19203	1495
168	18395	20499	1495
180	19691	21795	1495
192	20987	23091	1495
204	22283	24387	1495
216	23579	25683	1495

JWF1457

锭数 Nos.of spindle	尺寸 Dimensions	代号 Symbols	代号 Symbols
	e	L	f
140	13211	15315	1495
156	14692	16796	1680
168	15803	17907	1495
184	17284	19388	1680
196	18395	20499	1495
212	19876	21980	1680
224	20987	23091	1495

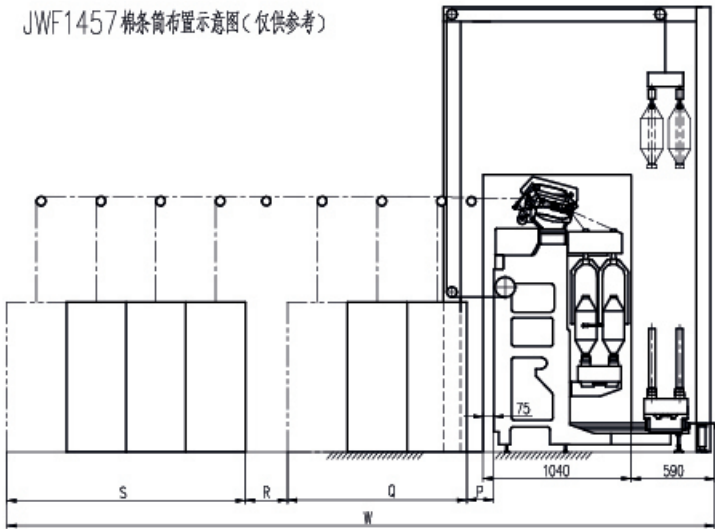


JWF1458A 棉条筒布置图(仅供参考)

symbol

代号	P	Q	R	S	W
条筒规格					
φ400	560	780	450	780	4125
φ500	378	989	680	1448	5050
φ600	455	1175	650	2267	6102

JWF1457 棉条筒布置示意图(仅供参考)



JWF1457 棉条筒布置图(仅供参考)

symbol

代号	P	Q	R	S	W
条筒规格					
φ400	400	797	444	1206	4402
φ500	460	990	535	1910	5450
φ600	360	1818	650	2362	6745